

Air System Sizing Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

02/21/2017
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Air System Information

Air System Name **Sistema Navio**
Equipment Class **TERM**
Air System Type **2P-FC**

Number of zones **7**
Floor Area **2191,8** m²
Location **Istanbul, Turkey**

Sizing Calculation Information

Calculation Months **Jan to Dec**
Sizing Data **Calculated**

Zone L/s Sizing **Sum of space airflow rates**
Space L/s Sizing **Individual peak space loads**

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Zone L/s Sizing **Sum of space airflow rates**
Space L/s Sizing **Individual peak space loads**

Zone Sizing Data

Zone Name	Maximum Cooling Sensible (kW)	Design Airflow (L/s)	Minimum Airflow (L/s)	Time of Peak Load	Maximum Heating Load (kW)	Zone Floor Area (m ²)	Zone L/(s-m ²)
N Deck	43,3	4372	4372	Jul 1500	18,4	373,7	11,70
C Deck	10,5	1191	1191	Aug 1600	5,5	417,4	2,85
B Deck	12,6	1328	1328	Sep 1500	6,3	379,1	3,50
A Deck	10,3	1100	1100	Aug 1600	5,0	311,8	3,53
U Deck	23,4	2348	2348	Jul 1800	4,4	327,2	7,18
M Deck	26,7	2604	2604	Jan 1900	0,0	277,8	9,38
UT Deck	8,0	783	783	Jan 1900	0,0	104,8	7,47

Terminal Unit Sizing Data - Cooling

Zone Name	Total Coil Load (kW)	Sens Coil Load (kW)	Coil Entering DB / WB (°C)	Coil Leaving DB / WB (°C)	Water Flow @ 5,0 °K (L/s)	Time of Peak Load
N Deck	45,6	43,3	24,0 / 18,2	15,8 / 15,2	2,18	Jun 1500
C Deck	15,0	11,8	24,7 / 19,5	16,5 / 16,0	0,72	Jul 1700
B Deck	16,3	13,2	24,5 / 19,2	16,2 / 15,7	0,78	Aug 1300
A Deck	13,6	11,0	24,5 / 19,1	16,2 / 15,7	0,65	Jul 1300
U Deck	29,4	25,3	24,3 / 18,4	15,3 / 14,8	1,41	Aug 1800
M Deck	32,2	28,2	24,3 / 18,3	15,3 / 14,7	1,54	Aug 1900
UT Deck	11,5	10,9	26,1 / 18,1	14,4 / 13,7	0,55	Jan 1300

Terminal Unit Sizing Data - Heating, Fan, Ventilation

Zone Name	Heating Coil Load (kW)	Heating Coil Ent/Lvg DB (°C)	Htg Coil Water Flow @20,0 °K (L/s)	Fan Design Airflow (L/s)	Fan Motor (BHP)	Fan Motor (kW)	OA Vent Design Airflow (L/s)
N Deck	22,6	20,3 / 24,6	0,27	4372	0,551	0,437	144
C Deck	12,1	16,4 / 24,8	0,14	1191	0,150	0,119	225
B Deck	11,8	17,2 / 24,6	0,14	1328	0,167	0,133	199
A Deck	9,8	17,1 / 24,6	0,12	1100	0,139	0,110	170
U Deck	13,9	17,6 / 22,5	0,17	2348	0,296	0,235	333
M Deck	12,2	17,1 / 21,0	0,15	2604	0,328	0,260	425
UT Deck	3,2	17,6 / 21,0	0,04	783	0,099	0,078	114

Space Loads and Airflows

Zone Name / Space Name	Mult.	Cooling Sensible (kW)	Time of Load	Air Flow (L/s)	Heating Load (kW)	Floor Area (m ²)	Space L/(s-m ²)
N Deck							
NDescritorio1	1	1,4	Jun 1900	139	0,4	18,4	7,57
NDescritorio2	1	3,4	Jul 1600	329	1,3	40,3	8,17
NDescritorio3	1	3,8	Sep 1400	369	1,3	41,3	8,93
NDponte	1	33,1	Jul 1500	3221	15,4	261,2	12,33
NDsala de arrumos	1	0,1	Jan 2000	8	0,0	4,5	1,74
NDsala de café	1	3,1	Jan 1800	306	0,0	8,0	38,27

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Zone Name / Space Name	Mult.	Cooling Sensible (kW)	Time of Load	Air Flow (L/s)	Heating Load (kW)	Floor Area (m ²)	Space L/(s-m ²)
C Deck							
CDcamarote 1P (BB)	1	0,3	Jun 2000	33	0,3	14,1	2,33
CDcamarote 1P (BBvant(1)	1	0,4	Jul 1100	37	0,3	14,1	2,62
CDcamarote 1P (BBvante)	1	0,4	Jul 1100	37	0,3	14,1	2,62
CDcamarote 1P (EB)	1	0,4	Oct 1400	42	0,3	14,1	2,99
CDcamarote 1P (EBvant(1)	1	0,4	Jul 1100	37	0,3	14,1	2,62
CDcamarote 1P (EBvante)	1	0,4	Jul 1100	37	0,3	14,1	2,62
CDcamarote 1P (NE)	1	0,3	Jul 2000	33	0,2	15,0	2,20
CDcamarote 1P (SE)	1	0,4	Sep 1100	36	0,2	15,0	2,42
CDcamarote 1P. (BB)	1	0,3	Jun 2000	31	0,2	15,0	2,08
CDcamarote 1P. (EB)	1	0,3	Oct 1400	33	0,2	15,0	2,21
CDcamarote 2P (BB)	1	0,4	Jul 1600	35	0,2	11,0	3,14
CDcamarote 2P (BB)(1)	1	0,4	Jul 1600	35	0,2	11,0	3,14
CDcamarote 2P (EB)	1	0,5	Oct 1400	48	0,2	11,0	4,36
CDcamarote 2P (EB)(1)	1	0,5	Oct 1400	48	0,2	11,0	4,36
CDcamarote 2P (interi(1)	1	0,2	Jan 0500	24	0,0	10,0	2,37
CDcamarote 2P (interi(2)	1	0,2	Jan 0500	24	0,0	10,0	2,37
CDcamarote 2P (interi(3)	1	0,2	Jan 0500	24	0,0	10,0	2,37
CDcamarote 2P (interi(4)	1	0,2	Jan 0500	24	0,0	10,0	2,37
CDcamarote 2P (interi(5)	1	0,2	Jan 0500	24	0,0	10,0	2,37
CDcamarote 2P (interi(6)	1	0,2	Jan 0500	24	0,0	10,0	2,37
CDcamarote 2P (interi(7)	1	0,2	Jan 0500	24	0,0	10,0	2,37
CDcamarote 2P (interior)	1	0,2	Jan 0500	24	0,0	10,0	2,37
CDcamarote 2P (re)	1	0,5	Jul 1700	51	0,2	12,1	4,23
CDcamarote 2P (vante)	1	0,5	Jul 1000	44	0,2	11,0	3,99
CDcamarote 2P (vante)(1)	1	0,5	Jul 1000	44	0,2	11,0	3,99
CDcamarote 2P (vante)(2)	1	0,5	Jul 1000	44	0,2	11,0	3,99
CDcamarote 2P (vante)(3)	1	0,5	Jul 1000	44	0,2	11,0	3,99
CDcamarote 2P. (BB)	1	0,3	Jul 1600	31	0,2	9,5	3,29
CDcamarote 2P. (BB)(1)	1	0,3	Jul 1600	31	0,2	9,5	3,29
CDcamarote 2P. (EB)	1	0,5	Oct 1400	44	0,2	9,5	4,61
CDcamarote 2P. (EB)(1)	1	0,5	Oct 1400	44	0,2	9,5	4,61
CDsala de arquivo	1	0,2	Jan 2000	18	0,0	11,6	1,51
CDsala de arrumos	1	0,2	Jan 2000	20	0,0	23,5	0,86
CDsala de conferências	1	0,7	Jan 1800	66	0,0	19,7	3,33
B Deck							
BDcamarote 2P (BB)	1	0,3	Jul 1600	30	0,2	9,2	3,30
BDcamarote 2P (BB)(1)	1	0,3	Jul 1600	30	0,2	9,2	3,31
BDcamarote 2P (BB)(2)	1	0,3	Jul 1600	30	0,2	9,2	3,30
BDcamarote 2P (BB)(3)	1	0,3	Jul 1600	30	0,2	9,2	3,31
BDcamarote 2P (BB)(4)	1	0,3	Jul 1600	30	0,2	9,2	3,30
BDcamarote 2P (BB)(5)	1	0,3	Jul 1600	30	0,2	9,2	3,30
BDcamarote 2P (BB)(6)	1	0,3	Jul 1600	30	0,2	9,2	3,30
BDcamarote 2P (BB)(7)	1	0,3	Jul 1600	30	0,2	9,2	3,30
BDcamarote 2P (BB)(8)	1	0,3	Jul 1600	30	0,2	9,2	3,30
BDcamarote 2P (BBre)	1	0,5	Jul 1700	52	0,2	13,6	3,83
BDcamarote 2P (BBre)(1)	1	0,5	Jul 1700	52	0,2	13,6	3,83
BDcamarote 2P (BBvante)	1	0,6	Jul 1500	56	0,6	17,4	3,24
BDcamarote 2P (EB)	1	0,4	Oct 1400	43	0,2	9,2	4,64
BDcamarote 2P (EB)(1)	1	0,4	Oct 1400	43	0,2	9,2	4,64
BDcamarote 2P (EB)(2)	1	0,4	Oct 1400	43	0,2	9,2	4,64
BDcamarote 2P (EB)(3)	1	0,4	Oct 1400	43	0,2	9,2	4,64
BDcamarote 2P (EB)(4)	1	0,4	Oct 1400	43	0,2	9,2	4,64
BDcamarote 2P (EB)(5)	1	0,4	Oct 1400	43	0,2	9,2	4,64
BDcamarote 2P (EB)(6)	1	0,4	Oct 1400	43	0,2	9,2	4,64
BDcamarote 2P (EB)(7)	1	0,4	Oct 1400	43	0,2	9,2	4,64
BDcamarote 2P (EB)(8)	1	0,4	Oct 1400	43	0,2	9,2	4,64
BDcamarote 2P (EBre)	1	0,5	Jul 1700	52	0,2	13,6	3,83
BDcamarote 2P (EBre)(1)	1	0,5	Jul 1700	52	0,2	13,6	3,83

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BDcamarote 2P (EBvante)	1	0,9	Oct 1400	87	0,6	19,8	4,41
BDcamarote 2P (interi(1))	1	0,3	Jan 0500	25	0,0	11,0	2,32
BDcamarote 2P (interi(2))	1	0,3	Jan 0500	25	0,0	11,0	2,32
BDcamarote 2P (interi(3))	1	0,3	Jan 0500	25	0,0	11,0	2,32
BDcamarote 2P (interi(4))	1	0,3	Jan 0500	25	0,0	11,0	2,32
BDcamarote 2P (interi(5))	1	0,3	Jan 0500	25	0,0	11,0	2,32
BDcamarote 2P (interi(6))	1	0,3	Jan 0500	25	0,0	11,0	2,32
BDcamarote 2P (interi(7))	1	0,3	Jan 0500	25	0,0	11,0	2,32
BDcamarote 2P (interior)	1	0,3	Jan 0500	25	0,0	11,0	2,32
BDcamarote 2P (vante)	1	0,5	Jul 1000	46	0,3	11,7	3,97
BDcamarote 2P (vante)(1)	1	0,5	Jul 1000	46	0,3	11,7	3,97
BDsala de arrumos	1	0,2	Jan 2000	22	0,0	10,6	2,09
A Deck							
ADcamarote 2P (BB)	1	0,3	Jul 1600	30	0,2	9,2	3,30
ADcamarote 2P (BB)(1)	1	0,3	Jul 1600	30	0,2	9,2	3,30
ADcamarote 2P (BB)(2)	1	0,3	Jul 1600	30	0,2	9,2	3,30
ADcamarote 2P (BB)(3)	1	0,3	Jul 1600	30	0,2	9,2	3,31
ADcamarote 2P (BB)(4)	1	0,3	Jul 1600	30	0,2	9,2	3,31
ADcamarote 2P (BB)(5)	1	0,3	Jul 1600	30	0,2	9,2	3,31
ADcamarote 2P (BB)(6)	1	0,3	Jul 1600	30	0,2	9,2	3,31
ADcamarote 2P (BB)(7)	1	0,3	Jul 1600	30	0,2	9,2	3,31
ADcamarote 2P (EB)	1	0,4	Oct 1400	43	0,2	9,2	4,64
ADcamarote 2P (EB)(1)	1	0,4	Oct 1400	43	0,2	9,2	4,64
ADcamarote 2P (EB)(2)	1	0,4	Oct 1400	43	0,2	9,2	4,64
ADcamarote 2P (EB)(3)	1	0,4	Oct 1400	43	0,2	9,2	4,64
ADcamarote 2P (EB)(4)	1	0,4	Oct 1400	43	0,2	9,2	4,64
ADcamarote 2P (EB)(5)	1	0,4	Oct 1400	43	0,2	9,2	4,64
ADcamarote 2P (EB)(6)	1	0,4	Oct 1400	43	0,2	9,2	4,64
ADcamarote 2P (EB)(7)	1	0,4	Oct 1400	43	0,2	9,2	4,64
ADcamarote 2P (interi(1))	1	0,2	Jan 0500	24	0,0	10,0	2,37
ADcamarote 2P (interi(2))	1	0,2	Jan 0500	24	0,0	10,0	2,37
ADcamarote 2P (interi(3))	1	0,2	Jan 0500	24	0,0	10,0	2,37
ADcamarote 2P (interi(4))	1	0,2	Jan 0500	24	0,0	10,0	2,37
ADcamarote 2P (interi(5))	1	0,2	Jan 0500	24	0,0	10,0	2,37
ADcamarote 2P (interi(6))	1	0,2	Jan 0500	24	0,0	10,0	2,37
ADcamarote 2P (interi(7))	1	0,2	Jan 0500	24	0,0	10,0	2,37
ADcamarote 2P (interior)	1	0,2	Jan 0500	24	0,0	10,0	2,37
ADcamarote 2P (NE)	1	0,5	Jun 0900	45	0,3	13,0	3,43
ADcamarote 2P (SE)	1	0,5	Sep 1100	52	0,3	13,0	4,03
ADcamarote 2P (vante)	1	0,5	Jul 1700	51	0,3	11,6	4,39
ADcamarote 2P (vante)(1)	1	0,5	Jul 1700	51	0,3	11,6	4,39
ADcamarote 2P (vante)(2)	1	0,5	Jul 1700	51	0,3	11,6	4,39
ADcamarote 2P (vante)(3)	1	0,5	Jul 1700	51	0,3	11,6	4,39
ADSala de arrumos	1	0,3	Jan 2000	25	0,0	12,3	2,03
U Deck							
UDbiblioteca	1	2,8	Oct 1200	273	0,5	56,0	4,87
UDcamarote 2P	1	0,2	Jan 0500	24	0,0	10,0	2,37
UDcamarote 2P(1)	1	0,2	Jan 0500	24	0,0	10,0	2,37
UDcamarote 2P(2)	1	0,2	Jan 0500	24	0,0	10,0	2,37
UDcamarote 2P(3)	1	0,2	Jan 0500	24	0,0	10,0	2,37
UDescritorio1	1	1,3	Jun 1900	122	0,3	16,0	7,61
UDescritorio2	1	1,0	Jan 1900	99	0,0	14,0	7,06
UDescritorio3	1	2,4	Jun 1900	233	0,5	30,8	7,58
UDhospital	1	7,1	Sep 1800	694	1,2	55,2	12,57
UDsala de arrumos	1	0,1	Jan 2000	12	0,0	11,2	1,09
UDsala entretenimento1	1	5,3	Jul 1800	513	1,3	56,0	9,16
UDsala entretenimento2	1	3,2	Jul 1800	307	0,6	48,0	6,40
M Deck							
MDrefeitório	1	22,4	Jan 1900	2182	0,0	153,1	14,25

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MDSala de arrumos1	1	2,0	Jan 2000	196	0,0	58,6	3,34
MDSala de arrumos2	1	0,6	Jan 2000	60	0,0	16,8	3,55
MDSala de arrumos3	1	1,5	Jan 2000	149	0,0	44,1	3,37
MDtelefone publico(1)	1	0,1	Jan 2000	9	0,0	2,6	3,44
MDtelefone publico(2)	1	0,1	Jan 2000	9	0,0	2,6	3,44
UT Deck							
UTDescritorio	1	1,0	Jan 1900	99	0,0	16,2	6,14
UTDginasio aero	1	4,8	Jan 0200	467	0,0	34,8	13,43
UTDginasio pesos	1	2,1	Jan 0200	209	0,0	49,3	4,23
UTDsala de arrumos	1	0,1	Jan 2000	8	0,0	4,5	1,74

Ventilation Sizing Summary for Sistema Navio

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1. Summary

Ventilation Sizing Method **Sum of Space OA Airflows**

2. Space Ventilation Analysis Table

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Zone Name / Space Name	Mult.	Floor Area (m²)	Maximum Occupants	Maximum Supply Air (L/s)	Required Outdoor Air (L/s/person)	Required Outdoor Air (L/(s-m²))	Required Outdoor Air (L/s)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (L/s)
N Deck									
NDescritorio1	1	18,4	2,0	139,3	2,36	0,30	0,0	0,0	10,3
NDescritorio2	1	40,3	4,0	329,5	2,36	0,30	0,0	0,0	21,7
NDescritorio3	1	41,3	4,0	368,6	2,36	0,30	0,0	0,0	22,0
NDponte	1	261,2	6,0	3220,9	0,00	0,30	0,0	0,0	79,6
NDsala de arrumos	1	4,5	1,0	7,8	0,00	0,61	0,0	0,0	2,7
NDsala de café	1	8,0	2,0	306,1	2,36	0,30	0,0	0,0	7,2
C Deck									
CDcamarote 1P (BB)	1	14,1	1,0	32,8	2,36	0,30	0,0	0,0	6,7
CDcamarote 1P (BBvant(1))	1	14,1	1,0	37,0	2,36	0,30	0,0	0,0	6,7
CDcamarote 1P (BBvante)	1	14,1	1,0	37,0	2,36	0,30	0,0	0,0	6,7
CDcamarote 1P (EB)	1	14,1	1,0	42,1	2,36	0,30	0,0	0,0	6,7
CDcamarote 1P (EBvant(1))	1	14,1	1,0	37,0	2,36	0,30	0,0	0,0	6,7
CDcamarote 1P (EBvante)	1	14,1	1,0	37,0	2,36	0,30	0,0	0,0	6,7
CDcamarote 1P (NE)	1	15,0	1,0	32,9	2,36	0,30	0,0	0,0	6,9
CDcamarote 1P (SE)	1	15,0	1,0	36,3	2,36	0,30	0,0	0,0	6,9
CDcamarote 1P. (BB)	1	15,0	1,0	31,2	2,36	0,30	0,0	0,0	6,9
CDcamarote 1P. (EB)	1	15,0	1,0	33,1	2,36	0,30	0,0	0,0	6,9
CDcamarote 2P (BB)	1	11,0	1,0	34,5	2,36	0,30	0,0	0,0	5,7
CDcamarote 2P (BB)(1)	1	11,0	1,0	34,5	2,36	0,30	0,0	0,0	5,7
CDcamarote 2P (EB)	1	11,0	1,0	47,9	2,36	0,30	0,0	0,0	5,7
CDcamarote 2P (EB)(1)	1	11,0	1,0	47,9	2,36	0,30	0,0	0,0	5,7
CDcamarote 2P (interi(1))	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
CDcamarote 2P (interi(2))	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
CDcamarote 2P (interi(3))	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
CDcamarote 2P (interi(4))	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
CDcamarote 2P (interi(5))	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
CDcamarote 2P (interi(6))	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
CDcamarote 2P (interi(7))	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
CDcamarote 2P (interior)	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
CDcamarote 2P (re)	1	12,1	1,0	51,1	2,36	0,30	0,0	0,0	6,0
CDcamarote 2P (vante)	1	11,0	1,0	43,9	2,36	0,30	0,0	0,0	5,7
CDcamarote 2P (vante)(1)	1	11,0	1,0	43,9	2,36	0,30	0,0	0,0	5,7
CDcamarote 2P (vante)(2)	1	11,0	1,0	43,9	2,36	0,30	0,0	0,0	5,7
CDcamarote 2P (vante)(3)	1	11,0	1,0	43,9	2,36	0,30	0,0	0,0	5,7
CDcamarote 2P. (BB)	1	9,5	1,0	31,2	2,36	0,30	0,0	0,0	5,3
CDcamarote 2P. (BB)(1)	1	9,5	1,0	31,2	2,36	0,30	0,0	0,0	5,3
CDcamarote 2P. (EB)	1	9,5	1,0	43,8	2,36	0,30	0,0	0,0	5,3

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CDcamarote 2P. (EB)(1)	1	9,5	1,0	43,8	2,36	0,30	0,0	0,0	5,3
CDsala de arquivo	1	11,6	2,0	17,6	0,00	0,61	0,0	0,0	7,1
CDsala de arrumos	1	23,5	1,0	20,2	0,00	0,61	0,0	0,0	14,3
CDsala de conferências	1	19,7	6,0	65,7	2,36	0,30	0,0	0,0	20,2
B Deck									
BDcamarote 2P (BB)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (BB)(1)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (BB)(2)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (BB)(3)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (BB)(4)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (BB)(5)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (BB)(6)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (BB)(7)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (BB)(8)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (BBre)	1	13,6	1,0	52,1	2,36	0,30	0,0	0,0	6,5
BDcamarote 2P (BBre)(1)	1	13,6	1,0	52,1	2,36	0,30	0,0	0,0	6,5
BDcamarote 2P (BBvante)	1	17,4	1,0	56,4	2,36	0,30	0,0	0,0	7,7
BDcamarote 2P (EB)	1	9,2	1,0	42,6	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (EB)(1)	1	9,2	1,0	42,6	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (EB)(2)	1	9,2	1,0	42,6	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (EB)(3)	1	9,2	1,0	42,6	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (EB)(4)	1	9,2	1,0	42,6	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (EB)(5)	1	9,2	1,0	42,6	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (EB)(6)	1	9,2	1,0	42,6	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (EB)(7)	1	9,2	1,0	42,6	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (EB)(8)	1	9,2	1,0	42,6	2,36	0,30	0,0	0,0	5,2
BDcamarote 2P (EBre)	1	13,6	1,0	52,1	2,36	0,30	0,0	0,0	6,5
BDcamarote 2P (EBre)(1)	1	13,6	1,0	52,1	2,36	0,30	0,0	0,0	6,5
BDcamarote 2P (EBvante)	1	19,8	1,0	87,2	2,36	0,30	0,0	0,0	8,4
BDcamarote 2P (interi(1)	1	11,0	1,0	25,5	2,36	0,30	0,0	0,0	5,7
BDcamarote 2P (interi(2)	1	11,0	1,0	25,5	2,36	0,30	0,0	0,0	5,7
BDcamarote 2P (interi(3)	1	11,0	1,0	25,5	2,36	0,30	0,0	0,0	5,7
BDcamarote 2P (interi(4)	1	11,0	1,0	25,5	2,36	0,30	0,0	0,0	5,7
BDcamarote 2P (interi(5)	1	11,0	1,0	25,5	2,36	0,30	0,0	0,0	5,7
BDcamarote 2P (interi(6)	1	11,0	1,0	25,5	2,36	0,30	0,0	0,0	5,7
BDcamarote 2P (interi(7)	1	11,0	1,0	25,5	2,36	0,30	0,0	0,0	5,7
BDcamarote 2P (interior)	1	11,0	1,0	25,5	2,36	0,30	0,0	0,0	5,7
BDcamarote 2P (vante)	1	11,7	1,0	46,4	2,36	0,30	0,0	0,0	5,9
BDcamarote 2P (vante)(1)	1	11,7	1,0	46,4	2,36	0,30	0,0	0,0	5,9
BDsala de arrumos	1	10,6	1,0	22,2	0,00	0,61	0,0	0,0	6,5
A Deck									

Ventilation Sizing Summary for Sistema Navio

Project Name: Noble Globetrotter II
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ADcamarote 2P (BB)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (BB)(1)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (BB)(2)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (BB)(3)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (BB)(4)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (BB)(5)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (BB)(6)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (BB)(7)	1	9,2	1,0	30,4	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (EB)	1	9,2	1,0	42,7	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (EB)(1)	1	9,2	1,0	42,6	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (EB)(2)	1	9,2	1,0	42,7	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (EB)(3)	1	9,2	1,0	42,7	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (EB)(4)	1	9,2	1,0	42,7	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (EB)(5)	1	9,2	1,0	42,7	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (EB)(6)	1	9,2	1,0	42,7	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (EB)(7)	1	9,2	1,0	42,7	2,36	0,30	0,0	0,0	5,2
ADcamarote 2P (interi(1)	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
ADcamarote 2P (interi(2)	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
ADcamarote 2P (interi(3)	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
ADcamarote 2P (interi(4)	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
ADcamarote 2P (interi(5)	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
ADcamarote 2P (interi(6)	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
ADcamarote 2P (interi(7)	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
ADcamarote 2P (interior)	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
ADcamarote 2P (NE)	1	13,0	1,0	44,6	2,36	0,30	0,0	0,0	6,3
ADcamarote 2P (SE)	1	13,0	1,0	52,3	2,36	0,30	0,0	0,0	6,3
ADcamarote 2P (vante)	1	11,6	1,0	50,9	2,50	0,30	0,0	0,0	6,0
ADcamarote 2P (vante)(1)	1	11,6	1,0	50,9	2,50	0,30	0,0	0,0	6,0
ADcamarote 2P (vante)(2)	1	11,6	1,0	50,9	2,50	0,30	0,0	0,0	6,0
ADcamarote 2P (vante)(3)	1	11,6	1,0	50,9	2,50	0,30	0,0	0,0	6,0
ADSala de arrumos	1	12,3	1,0	25,0	0,00	0,61	0,0	0,0	7,5
U Deck									
UDbiblioteca	1	56,0	12,0	272,6	2,36	0,61	0,0	0,0	62,5
UDcamarote 2P	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
UDcamarote 2P(1)	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
UDcamarote 2P(2)	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
UDcamarote 2P(3)	1	10,0	1,0	23,7	2,36	0,30	0,0	0,0	5,4
UDescritorio1	1	16,0	2,0	121,8	2,36	0,30	0,0	0,0	9,6
UDescritorio2	1	14,0	2,0	98,9	2,36	0,30	0,0	0,0	9,0
UDescritorio3	1	30,8	4,0	233,5	2,36	0,30	0,0	0,0	18,8
UDhospital	1	55,2	2,0	694,0	2,36	0,91	0,0	0,0	55,2

Ventilation Sizing Summary for Sistema Navio

Project Name: Noble Globetrotter II
 Prepared by: DOMOSERVE

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UDsala de arrumos	1	11,2	1,0	12,2	0,00	0,61	0,0	0,0	6,8
UDsala entretenimento1	1	56,0	40,0	513,2	2,36	0,30	0,0	0,0	111,5
UDsala entretenimento2	1	48,0	10,0	307,0	2,36	0,30	0,0	0,0	38,2
M Deck									
MDrefeitório	1	153,1	60,0	2182,1	3,54	0,91	0,0	0,0	352,4
MDsala de arrumos1	1	58,6	1,0	196,0	0,00	0,61	0,0	0,0	35,7
MDsala de arrumos2	1	16,8	1,0	59,7	0,00	0,61	0,0	0,0	10,2
MDsala de arrumos3	1	44,1	1,0	148,7	0,00	0,61	0,0	0,0	26,9
MDtelefone publico(1)	1	2,6	1,0	8,9	0,00	0,00	0,0	0,0	0,0
MDtelefone publico(2)	1	2,6	1,0	8,9	0,00	0,00	0,0	0,0	0,0
UT Deck									
UTDescritorio	1	16,2	2,0	99,5	2,36	0,30	0,0	0,0	9,7
UTDginasio aero	1	34,8	4,0	467,3	9,44	0,30	0,0	0,0	48,4
UTDginasio pesos	1	49,3	4,0	208,7	9,44	0,30	0,0	0,0	52,8
UTDsala de arrumos	1	4,5	1,0	7,8	0,00	0,61	0,0	0,0	2,7
Totals (incl. Space Multipliers)				13727,1					1609,7

Air System Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 1300			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 20,7 °C / 15,8 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
ZONE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	24 m ²	2679	-	24 m ²	-	-
Wall Transmission	702 m ²	3360	-	702 m ²	25724	-
Roof Transmission	261 m ²	2467	-	261 m ²	10582	-
Window Transmission	24 m ²	-399	-	24 m ²	2661	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	6 m ²	-90	-	6 m ²	601	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	35333 W	34274	-	0	0	-
Task Lighting	4184 W	4046	-	0	0	-
Electric Equipment	44030 W	41747	-	0	0	-
People	217	15383	16689	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	103467	16689	-	39567	0
Zone Conditioning	-	147107	16689	-	40014	0
Plenum Wall Load	0%	0	-	0	0	-
Plenum Roof Load	0%	0	-	0	0	-
Plenum Lighting Load	0%	0	-	0	0	-
Exhaust Fan Load	0 L/s	0	-	0 L/s	0	-
Ventilation Load	1610 L/s	-6939	-5806	1610 L/s	46934	0
Ventilation Fan Load	0 L/s	0	-	0 L/s	0	-
Space Fan Coil Fans	-	1373	-	-	-1373	-
Duct Heat Gain / Loss	0%	0	-	0%	0	-
>> Total System Loads	-	141540	10884	-	85575	0
Terminal Unit Cooling	-	141540	10824	-	0	0
Terminal Unit Heating	-	0	-	-	85575	-
>> Total Conditioning	-	141540	10824	-	85575	0
Key:	Positive values are clg loads Negative values are htg loads			Positive values are htg loads Negative values are clg loads		

Zone Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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N Deck	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 30,0 °C / 21,1 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
	OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C		
ZONE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	3 m ²	396	-	3 m ²	-	-
Wall Transmission	220 m ²	3180	-	220 m ²	6793	-
Roof Transmission	261 m ²	12726	-	261 m ²	10582	-
Window Transmission	3 m ²	86	-	3 m ²	384	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	6 m ²	134	-	6 m ²	601	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	15640 W	15139	-	0	0	-
Task Lighting	1253 W	1230	-	0	0	-
Electric Equipment	9916 W	9346	-	0	0	-
People	18	1093	1228	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	43331	1228	-	18359	0

C Deck	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Aug 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
	OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C		
ZONE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	6 m ²	654	-	6 m ²	-	-
Wall Transmission	131 m ²	2107	-	131 m ²	4825	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	6 m ²	149	-	6 m ²	680	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	2476 W	2506	-	0	0	-
Task Lighting	765 W	736	-	0	0	-
Electric Equipment	2735 W	2646	-	0	0	-
People	27	1712	1099	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	10510	1099	-	5505	0

Zone Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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B Deck	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Sep 1500			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 28,9 °C / 20,6 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
	OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C		
ZONE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	7 m ²	872	-	7 m ²	-	-
Wall Transmission	139 m ²	2765	-	139 m ²	5577	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	7 m ²	137	-	7 m ²	769	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	3685 W	3469	-	0	0	-
Task Lighting	737 W	710	-	0	0	-
Electric Equipment	2580 W	2503	-	0	0	-
People	34	2112	1196	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	12568	1196	-	6345	0

A Deck	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Aug 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
	OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C		
ZONE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	6 m ²	644	-	6 m ²	-	-
Wall Transmission	108 m ²	2228	-	108 m ²	4339	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	6 m ²	142	-	6 m ²	650	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	2995 W	2836	-	0	0	-
Task Lighting	599 W	578	-	0	0	-
Electric Equipment	2097 W	2037	-	0	0	-
People	30	1871	1055	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	10336	1055	-	4989	0

Zone Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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U Deck	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1800			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 28,2 °C / 20,6 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
	OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C		
ZONE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	2 m ²	116	-	2 m ²	-	-
Wall Transmission	104 m ²	2001	-	104 m ²	4191	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	2 m ²	32	-	2 m ²	177	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	7092 W	6093	-	0	0	-
Task Lighting	734 W	684	-	0	0	-
Electric Equipment	10896 W	10148	-	0	0	-
People	74	4278	3382	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	23351	3382	-	4368	0

M Deck	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 1900			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 18,8 °C / 15,1 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
	OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C		
ZONE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	9932 W	7061	-	0	0	-
Task Lighting	306 W	271	-	0	0	-
Electric Equipment	16840 W	15282	-	0	0	-
People	65	4078	8471	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	26692	8471	-	0	0

Zone Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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UT Deck	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 1900			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 18,8 °C / 15,1 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
	OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C		
ZONE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	2391 W	2098	-	0	0	-
Task Lighting	32 W	29	-	0	0	-
Electric Equipment	4554 W	4306	-	0	0	-
People	11	1591	2809	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	8025	2809	-	0	0

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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TABLE 1.1.A. COMPONENT LOADS FOR SPACE " NDescriptorio1 " IN ZONE " N Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jun 1900 COOLING OA DB / WB 26,6 °C / 20,2 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	19	-	0 m ²	-	-
Wall Transmission	8 m ²	109	-	8 m ²	335	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	4	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	460 W	385	-	0	0	-
Task Lighting	37 W	33	-	0	0	-
Electric Equipment	828 W	767	-	0	0	-
People	2	114	120	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1432	120	-	364	0

TABLE 1.1.B. ENVELOPE LOADS FOR SPACE " NDescriptorio1 " IN ZONE " N Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
N EXPOSURE						
WALL	8	1,650	-	109	-	335
WINDOW 1	0	4,539	0,782	4	19	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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TABLE 1.2.A. COMPONENT LOADS FOR SPACE " NDescriptorio2 " IN ZONE " N Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 29,7 °C / 21,0 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	2 m ²	171	-	2 m ²	-	-
Wall Transmission	28 m ²	398	-	28 m ²	1116	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	2 m ²	39	-	2 m ²	177	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	1008 W	823	-	0	0	-
Task Lighting	81 W	72	-	0	0	-
Electric Equipment	1814 W	1664	-	0	0	-
People	4	221	240	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3388	240	-	1293	0

TABLE 1.2.B. ENVELOPE LOADS FOR SPACE " NDescriptorio2 " IN ZONE " N Deck "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m ²)	(W/(m ² -°K))	Coeff.	TRANS (W)	SOLAR (W)	TRANS (W)
N EXPOSURE						
WALL	20	1,650	-	283	-	821
WINDOW 1	1	4,539	0,782	13	30	59
E EXPOSURE						
WALL	7	1,650	-	116	-	294
WINDOW 1	1	4,539	0,782	26	141	118

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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TABLE 1.3.A. COMPONENT LOADS FOR SPACE " NDescriptorio3 " IN ZONE " N Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Sep 1400 COOLING OA DB / WB 28,6 °C / 20,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	2 m ²	232	-	2 m ²	-	-
Wall Transmission	28 m ²	722	-	28 m ²	1124	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	2 m ²	30	-	2 m ²	177	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	1032 W	827	-	0	0	-
Task Lighting	83 W	73	-	0	0	-
Electric Equipment	1858 W	1692	-	0	0	-
People	4	215	240	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3790	240	-	1301	0

TABLE 1.3.B. ENVELOPE LOADS FOR SPACE " NDescriptorio3 " IN ZONE " N Deck "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	20	1,650	-	628	-	821
WINDOW 1	1	4,539	0,782	10	116	59
E EXPOSURE						
WALL	8	1,650	-	94	-	302
WINDOW 1	1	4,539	0,782	20	115	118

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 1.4.A. COMPONENT LOADS FOR SPACE " NDponte " IN ZONE " N Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 30,0 °C / 21,1 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	156 m ²	2072	-	156 m ²	4219	-
Roof Transmission	261 m ²	12726	-	261 m ²	10582	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	6 m ²	134	-	6 m ²	601	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	13060 W	13057	-	0	0	-
Task Lighting	1045 W	1045	-	0	0	-
Electric Equipment	3657 W	3656	-	0	0	-
People	6	431	360	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	33121	360	-	15401	0

TABLE 1.4.B. ENVELOPE LOADS FOR SPACE " NDponte " IN ZONE " N Deck "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	17	1,077	-	149	-	435
DOOR	2	3,861	-	36	-	160
S EXPOSURE						
WALL	17	1,077	-	252	-	435
DOOR	2	3,861	-	36	-	160
E EXPOSURE						
WALL	60	1,164	-	705	-	1699
DOOR	3	3,861	-	63	-	281
W EXPOSURE						
WALL	63	1,077	-	967	-	1650
H EXPOSURE						
ROOF	261	1,665	-	12726	-	10582

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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TABLE 1.5.A. COMPONENT LOADS FOR SPACE " Ndsala de arrumos " IN ZONE " N Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 2000 COOLING OA DB / WB 17,7 °C / 14,6 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	45 W	30	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	51	133	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	81	133	-	0	0

TABLE 1.5.B. ENVELOPE LOADS FOR SPACE " Ndsala de arrumos " IN ZONE " N Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 1.6.A. COMPONENT LOADS FOR SPACE " NDsala de café " IN ZONE " N Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 1800 COOLING OA DB / WB 19,9 °C / 15,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	80 W	56	-	0	0	-
Task Lighting	16 W	13	-	0	0	-
Electric Equipment	3520 W	2974	-	0	0	-
People	2	106	267	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3148	267	-	0	0

TABLE 1.6.B. ENVELOPE LOADS FOR SPACE " NDsala de café " IN ZONE " N Deck "						
			COOLING	COOLING	HEATING	
			TRANS	SOLAR	TRANS	
			(W)	(W)	(W)	
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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TABLE 2.1.A. COMPONENT LOADS FOR SPACE " CDcamarote 1P (BB) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jun 2000 COOLING OA DB / WB 25,4 °C / 19,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	13	-	0 m ²	-	-
Wall Transmission	6 m ²	61	-	6 m ²	258	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	141 W	98	-	0	0	-
Task Lighting	28 W	27	-	0	0	-
Electric Equipment	99 W	95	-	0	0	-
People	1	41	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	338	35	-	288	0

TABLE 2.1.B. ENVELOPE LOADS FOR SPACE " CDcamarote 1P (BB) " IN ZONE " C Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
N EXPOSURE						
WALL	6	1,650	-	61	-	258
WINDOW 1	0	4,539	0,782	3	13	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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TABLE 2.2.A. COMPONENT LOADS FOR SPACE " CDcamarote 1P (BBvant(1) " IN ZONE " C Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1100 COOLING OA DB / WB 26,7 °C / 20,1 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	48	-	0 m ²	-	-
Wall Transmission	9 m ²	161	-	9 m ²	253	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	4	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	0 W	28	-	0	0	-
Task Lighting	28 W	27	-	0	0	-
Electric Equipment	99 W	95	-	0	0	-
People	0	17	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	380	0	-	282	0

TABLE 2.2.B. ENVELOPE LOADS FOR SPACE " CDcamarote 1P (BBvant(1) " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	9	1,164	-	161	-	253
WINDOW 1	0	4,539	0,782	4	48	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 2.3.A. COMPONENT LOADS FOR SPACE " CDcamarote 1P (BBvante) " IN ZONE " C Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jul 1100 COOLING OA DB / WB 26,7 °C / 20,1 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	48	-	0 m ²	-	-
Wall Transmission	9 m ²	161	-	9 m ²	253	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	4	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	0 W	28	-	0	0	-
Task Lighting	28 W	27	-	0	0	-
Electric Equipment	99 W	95	-	0	0	-
People	0	17	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	380	0	-	282	0

TABLE 2.3.B. ENVELOPE LOADS FOR SPACE " CDcamarote 1P (BBvante) " IN ZONE " C Deck "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
E EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	9	1,164	-	161	-	253
WINDOW 1	0	4,539	0,782	4	48	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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TABLE 2.4.A. COMPONENT LOADS FOR SPACE " CDcamarote 1P (EB) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	6 m ²	200	-	6 m ²	258	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	0 W	25	-	0	0	-
Task Lighting	28 W	27	-	0	0	-
Electric Equipment	99 W	96	-	0	0	-
People	0	15	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	433	0	-	288	0

TABLE 2.4.B. ENVELOPE LOADS FOR SPACE " CDcamarote 1P (EB) " IN ZONE " C Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	6	1,650	-	200	-	258
WINDOW 1	0	4,539	0,782	3	68	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 2.5.A. COMPONENT LOADS FOR SPACE " CDcamarote 1P (EBvant(1) " IN ZONE " C Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1100 COOLING OA DB / WB 26,7 °C / 20,1 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	48	-	0 m ²	-	-
Wall Transmission	9 m ²	161	-	9 m ²	253	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	4	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	0 W	28	-	0	0	-
Task Lighting	28 W	27	-	0	0	-
Electric Equipment	99 W	95	-	0	0	-
People	0	17	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	380	0	-	282	0

TABLE 2.5.B. ENVELOPE LOADS FOR SPACE " CDcamarote 1P (EBvant(1) " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	9	1,164	-	161	-	253
WINDOW 1	0	4,539	0,782	4	48	30

Space Design Load Summary for Sistema Navio

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TABLE 2.6.A. COMPONENT LOADS FOR SPACE " CDcamarote 1P (EBvante) " IN ZONE " C Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1100 COOLING OA DB / WB 26,7 °C / 20,1 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	48	-	0 m ²	-	-
Wall Transmission	9 m ²	161	-	9 m ²	253	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	4	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	0 W	28	-	0	0	-
Task Lighting	28 W	27	-	0	0	-
Electric Equipment	99 W	95	-	0	0	-
People	0	17	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	380	0	-	282	0

TABLE 2.6.B. ENVELOPE LOADS FOR SPACE " CDcamarote 1P (EBvante) " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	9	1,164	-	161	-	253
WINDOW 1	0	4,539	0,782	4	48	30

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TABLE 2.7.A. COMPONENT LOADS FOR SPACE " CDcamarote 1P (NE) " IN ZONE " C Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 2000 COOLING OA DB / WB 26,0 °C / 19,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	20	-	0 m ²	-	-
Wall Transmission	5 m ²	41	-	5 m ²	194	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	4	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	150 W	104	-	0	0	-
Task Lighting	30 W	29	-	0	0	-
Electric Equipment	105 W	101	-	0	0	-
People	1	41	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	339	35	-	224	0

TABLE 2.7.B. ENVELOPE LOADS FOR SPACE " CDcamarote 1P (NE) " IN ZONE " C Deck "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
NE EXPOSURE						
WALL	5	1,650	-	41	-	194
WINDOW 1	0	4,539	0,782	4	20	30

Space Design Load Summary for Sistema Navio

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TABLE 2.8.A. COMPONENT LOADS FOR SPACE " CDcamarote 1P (SE) " IN ZONE " C Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Sep 1100 COOLING OA DB / WB 25,6 °C / 19,5 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	57	-	0 m ²	-	-
Wall Transmission	5 m ²	137	-	5 m ²	194	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	2	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	0 W	30	-	0	0	-
Task Lighting	30 W	29	-	0	0	-
Electric Equipment	105 W	101	-	0	0	-
People	0	17	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	374	0	-	224	0

TABLE 2.8.B. ENVELOPE LOADS FOR SPACE " CDcamarote 1P (SE) " IN ZONE " C Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
SE EXPOSURE						
WALL	5	1,650	-	137	-	194
WINDOW 1	0	4,539	0,782	2	57	30

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TABLE 2.9.A. COMPONENT LOADS FOR SPACE " CDcamarote 1P. (BB) " IN ZONE " C Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jun 2000 COOLING OA DB / WB 25,4 °C / 19,9 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	13	-	0 m ²	-	-
Wall Transmission	3 m ²	30	-	3 m ²	126	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	150 W	104	-	0	0	-
Task Lighting	30 W	29	-	0	0	-
Electric Equipment	105 W	101	-	0	0	-
People	1	41	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	320	35	-	155	0

TABLE 2.9.B. ENVELOPE LOADS FOR SPACE " CDcamarote 1P. (BB) " IN ZONE " C Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
N EXPOSURE						
WALL	3	1,650	-	30	-	126
WINDOW 1	0	4,539	0,782	3	13	30

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TABLE 2.10.A. COMPONENT LOADS FOR SPACE " CDcamarote 1P. (EB) " IN ZONE " C Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	3 m ²	97	-	3 m ²	126	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	0 W	27	-	0	0	-
Task Lighting	30 W	29	-	0	0	-
Electric Equipment	105 W	102	-	0	0	-
People	0	15	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	340	0	-	155	0

TABLE 2.10.B. ENVELOPE LOADS FOR SPACE " CDcamarote 1P. (EB) " IN ZONE " C Deck "						
				COOLING TRANS	COOLING SOLAR	HEATING TRANS
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	3	1,650	-	97	-	126
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 2.11.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (BB) " IN ZONE " C Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jul 1600 COOLING OA DB / WB 29,7 °C / 21,0 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	72	-	5 m ²	210	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	103	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	75	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	355	35	-	240	0

TABLE 2.11.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (BB) " IN ZONE " C Deck "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	5	1,650	-	72	-	210
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 2.12.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (BB)(1) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1600 COOLING OA DB / WB 29,7 °C / 21,0 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	72	-	5 m ²	210	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	103	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	75	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	355	35	-	240	0

TABLE 2.12.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (BB)(1) " IN ZONE " C Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
N EXPOSURE						
WALL	5	1,650	-	72	-	210
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 2.13.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (EB) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	163	-	5 m ²	210	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	102	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	75	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	493	35	-	240	0

TABLE 2.13.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (EB) " IN ZONE " C Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	163	-	210
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 2.14.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (EB)(1) " IN ZONE " C Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	163	-	5 m ²	210	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	102	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	75	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	493	35	-	240	0

TABLE 2.14.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (EB)(1) " IN ZONE " C Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	163	-	210
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 2.15.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (interi(1) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 2.15.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (interi(1) " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 2.16.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (interi(2) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 2.16.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (interi(2) " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 2.17.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (interi(3)) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 2.17.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (interi(3)) " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² ·°K))	Coeff.	(W)	(W)	(W)

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TABLE 2.18.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (interi(4) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 2.18.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (interi(4) " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 2.19.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (interi(5) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 2.19.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (interi(5) " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 2.20.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (interi(6) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 2.20.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (interi(6) " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 2.21.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (interi(7) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 2.21.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (interi(7) " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 2.22.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (interior) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 2.22.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (interior) " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 2.23.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (re) " IN ZONE " C Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,2 °C / 20,9 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	56	-	0 m ²	-	-
Wall Transmission	5 m ²	182	-	5 m ²	218	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	121 W	114	-	0	0	-
Task Lighting	24 W	23	-	0	0	-
Electric Equipment	85 W	82	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	526	35	-	247	0

TABLE 2.23.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (re) " IN ZONE " C Deck "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
W EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	5	1,650	-	182	-	218
WINDOW 1	0	4,539	0,782	6	56	30

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TABLE 2.24.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (vante) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1000 COOLING OA DB / WB 25,2 °C / 19,7 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	52	-	0 m ²	-	-
Wall Transmission	5 m ²	139	-	5 m ²	210	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	2	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	101	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	74	-	0	0	-
People	1	61	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	451	35	-	240	0

TABLE 2.24.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (vante) " IN ZONE " C Deck "						
			COOLING	COOLING	HEATING	
			TRANS	SOLAR	TRANS	
			(W)	(W)	(W)	
E EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	5	1,650	-	139	-	210
WINDOW 1	0	4,539	0,782	2	52	30

Space Design Load Summary for Sistema Navio

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TABLE 2.25.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (vante)(1) " IN ZONE " C Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jul 1000 COOLING OA DB / WB 25,2 °C / 19,7 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	52	-	0 m ²	-	-
Wall Transmission	5 m ²	139	-	5 m ²	210	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	2	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	101	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	74	-	0	0	-
People	1	61	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	451	35	-	240	0

TABLE 2.25.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (vante)(1) " IN ZONE " C Deck "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
E EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	5	1,650	-	139	-	210
WINDOW 1	0	4,539	0,782	2	52	30

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TABLE 2.26.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (vante)(2) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1000 COOLING OA DB / WB 25,2 °C / 19,7 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	52	-	0 m ²	-	-
Wall Transmission	5 m ²	139	-	5 m ²	210	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	2	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	101	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	74	-	0	0	-
People	1	61	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	451	35	-	240	0

TABLE 2.26.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (vante)(2) " IN ZONE " C Deck "						
			COOLING	COOLING	HEATING	
			TRANS	SOLAR	TRANS	
			(W)	(W)	(W)	
E EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	5	1,650	-	139	-	210
WINDOW 1	0	4,539	0,782	2	52	30

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TABLE 2.27.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P (vante)(3) " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1000 COOLING OA DB / WB 25,2 °C / 19,7 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	52	-	0 m ²	-	-
Wall Transmission	5 m ²	139	-	5 m ²	210	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	2	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	101	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	74	-	0	0	-
People	1	61	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	451	35	-	240	0

TABLE 2.27.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P (vante)(3) " IN ZONE " C Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
E EXPOSURE						
WALL	5	1,650	-	139	-	210
WINDOW 1	0	4,539	0,782	2	52	30

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TABLE 2.28.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P. (BB) " IN ZONE " C Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 29,7 °C / 21,0 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	65	-	5 m ²	190	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	95 W	89	-	0	0	-
Task Lighting	19 W	18	-	0	0	-
Electric Equipment	66 W	65	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	321	35	-	219	0

TABLE 2.28.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P. (BB) " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m ²)	(W/(m ² -°K))	Coeff.	TRANS (W)	SOLAR (W)	TRANS (W)
N EXPOSURE						
WALL	5	1,650	-	65	-	190
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 2.29.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P. (BB)(1) " IN ZONE " C Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 29,7 °C / 21,0 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	65	-	5 m ²	190	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	95 W	89	-	0	0	-
Task Lighting	19 W	18	-	0	0	-
Electric Equipment	66 W	65	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	321	35	-	219	0

TABLE 2.29.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P. (BB)(1) " IN ZONE " C Deck "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	5	1,650	-	65	-	190
WINDOW 1	0	4,539	0,782	6	15	30

Space Design Load Summary for Sistema Navio

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TABLE 2.30.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P. (EB) " IN ZONE " C Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	147	-	5 m ²	190	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	95 W	88	-	0	0	-
Task Lighting	19 W	18	-	0	0	-
Electric Equipment	66 W	64	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	450	35	-	219	0

TABLE 2.30.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P. (EB) " IN ZONE " C Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	147	-	190
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 2.31.A. COMPONENT LOADS FOR SPACE " CDcamarote 2P. (EB)(1) " IN ZONE " C Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	147	-	5 m ²	190	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	95 W	88	-	0	0	-
Task Lighting	19 W	18	-	0	0	-
Electric Equipment	66 W	64	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	450	35	-	219	0

TABLE 2.31.B. ENVELOPE LOADS FOR SPACE " CDcamarote 2P. (EB)(1) " IN ZONE " C Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
S EXPOSURE						
WALL	5	1,650	-	147	-	190
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 2.32.A. COMPONENT LOADS FOR SPACE " CDsala de arquivo " IN ZONE " C Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jan 2000 COOLING OA DB / WB 17,7 °C / 14,6 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	116 W	78	-	0	0	-
Task Lighting	23 W	19	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	2	84	120	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	181	120	-	0	0

TABLE 2.32.B. ENVELOPE LOADS FOR SPACE " CDsala de arquivo " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 2.33.A. COMPONENT LOADS FOR SPACE " CDsala de arrumos " IN ZONE " C Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 2000 COOLING OA DB / WB 17,7 °C / 14,6 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	235 W	158	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	51	133	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	208	133	-	0	0

TABLE 2.33.B. ENVELOPE LOADS FOR SPACE " CDsala de arrumos " IN ZONE " C Deck "						
			COOLING	COOLING	HEATING	
			TRANS	SOLAR	TRANS	
			(W)	(W)	(W)	
Area	U-Value	Shade				
(m ²)	(W/(m ² -°K))	Coeff.				

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TABLE 2.34.A. COMPONENT LOADS FOR SPACE " CDsala de conferências " IN ZONE " C Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jan 1800 COOLING OA DB / WB 19,9 °C / 15,5 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	295 W	201	-	0	0	-
Task Lighting	39 W	36	-	0	0	-
Electric Equipment	197 W	182	-	0	0	-
People	6	257	360	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	675	360	-	0	0

TABLE 2.34.B. ENVELOPE LOADS FOR SPACE " CDsala de conferências " IN ZONE " C Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 3.1.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (BB) " IN ZONE " B Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 29,7 °C / 21,0 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	211	0

TABLE 3.1.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (BB) " IN ZONE " B Deck "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 3.2.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (BB)(1) " IN ZONE " B Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 29,7 °C / 21,0 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	212	0

TABLE 3.2.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (BB)(1) " IN ZONE " B Deck "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 3.3.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (BB)(2) " IN ZONE " B Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	211	0

TABLE 3.3.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (BB)(2) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 3.4.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (BB)(3) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1600 COOLING OA DB / WB 29,7 °C / 21,0 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	212	0

TABLE 3.4.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (BB)(3) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
N EXPOSURE						
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 3.5.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (BB)(4) " IN ZONE " B Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	211	0

TABLE 3.5.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (BB)(4) " IN ZONE " B Deck "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 3.6.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (BB)(5) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1600 COOLING OA DB / WB 29,7 °C / 21,0 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	211	0

TABLE 3.6.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (BB)(5) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
N EXPOSURE						
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

Space Design Load Summary for Sistema Navio

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TABLE 3.7.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (BB)(6) " IN ZONE " B Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	211	0

TABLE 3.7.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (BB)(6) " IN ZONE " B Deck "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 3.8.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (BB)(7) " IN ZONE " B Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	211	0

TABLE 3.8.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (BB)(7) " IN ZONE " B Deck "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 3.9.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (BB)(8) " IN ZONE " B Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	211	0

TABLE 3.9.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (BB)(8) " IN ZONE " B Deck "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 3.10.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (BBre) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1700 COOLING OA DB / WB 29,2 °C / 20,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	56	-	0 m ²	-	-
Wall Transmission	5 m ²	165	-	5 m ²	198	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	136 W	128	-	0	0	-
Task Lighting	27 W	26	-	0	0	-
Electric Equipment	95 W	93	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	536	35	-	227	0

TABLE 3.10.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (BBre) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
W EXPOSURE						
WALL	5	1,650	-	165	-	198
WINDOW 1	0	4,539	0,782	6	56	30

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TABLE 3.11.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (BBre)(1) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1700 COOLING OA DB / WB 29,2 °C / 20,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	56	-	0 m ²	-	-
Wall Transmission	5 m ²	165	-	5 m ²	198	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	136 W	128	-	0	0	-
Task Lighting	27 W	26	-	0	0	-
Electric Equipment	95 W	93	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	536	35	-	227	0

TABLE 3.11.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (BBre)(1) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
W EXPOSURE						
WALL	5	1,650	-	165	-	198
WINDOW 1	0	4,539	0,782	6	56	30

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TABLE 3.12.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (BBvante) " IN ZONE " B Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500 COOLING OA DB / WB 30,0 °C / 21,1 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	13 m ²	182	-	13 m ²	527	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	7	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	174 W	163	-	0	0	-
Task Lighting	35 W	34	-	0	0	-
Electric Equipment	122 W	118	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	580	35	-	557	0

TABLE 3.12.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (BBvante) " IN ZONE " B Deck "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m ²)	(W/(m ² -°K))	Coeff.	TRANS (W)	SOLAR (W)	TRANS (W)
N EXPOSURE						
WALL	13	1,650	-	182	-	527
WINDOW 1	0	4,539	0,782	7	15	30

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TABLE 3.13.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (EB) " IN ZONE " B Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	211	0

TABLE 3.13.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (EB) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 3.14.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (EB)(1) " IN ZONE " B Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	211	0

TABLE 3.14.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (EB)(1) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 3.15.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (EB)(2) " IN ZONE " B Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	211	0

TABLE 3.15.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (EB)(2) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 3.16.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (EB)(3) " IN ZONE " B Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	211	0

TABLE 3.16.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (EB)(3) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

Space Design Load Summary for Sistema Navio

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TABLE 3.17.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (EB)(4) " IN ZONE " B Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	211	0

TABLE 3.17.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (EB)(4) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

Space Design Load Summary for Sistema Navio

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TABLE 3.18.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (EB)(5) " IN ZONE " B Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	211	0

TABLE 3.18.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (EB)(5) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 3.19.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (EB)(6) " IN ZONE " B Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	211	0

TABLE 3.19.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (EB)(6) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 3.20.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (EB)(7) " IN ZONE " B Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	211	0

TABLE 3.20.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (EB)(7) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 3.21.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (EB)(8) " IN ZONE " B Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	211	0

TABLE 3.21.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (EB)(8) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

Space Design Load Summary for Sistema Navio

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TABLE 3.22.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (EBre) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1700 COOLING OA DB / WB 29,2 °C / 20,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	56	-	0 m ²	-	-
Wall Transmission	5 m ²	165	-	5 m ²	198	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	136 W	128	-	0	0	-
Task Lighting	27 W	26	-	0	0	-
Electric Equipment	95 W	93	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	536	35	-	227	0

TABLE 3.22.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (EBre) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
W EXPOSURE						
WALL	5	1,650	-	165	-	198
WINDOW 1	0	4,539	0,782	6	56	30

Space Design Load Summary for Sistema Navio

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TABLE 3.23.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (EBre)(1) " IN ZONE " B Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,2 °C / 20,9 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	56	-	0 m ²	-	-
Wall Transmission	5 m ²	165	-	5 m ²	198	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	136 W	128	-	0	0	-
Task Lighting	27 W	26	-	0	0	-
Electric Equipment	95 W	93	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	536	35	-	227	0

TABLE 3.23.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (EBre)(1) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
W EXPOSURE						
WALL	5	1,650	-	165	-	198
WINDOW 1	0	4,539	0,782	6	56	30

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TABLE 3.24.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (EBvante) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	13 m ²	408	-	13 m ²	527	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	198 W	184	-	0	0	-
Task Lighting	40 W	38	-	0	0	-
Electric Equipment	139 W	134	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	897	35	-	557	0

TABLE 3.24.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (EBvante) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	13	1,650	-	408	-	527
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 3.25.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (interi(1)) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	103	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	75	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	262	35	-	0	0

TABLE 3.25.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (interi(1)) " IN ZONE " B Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 3.26.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (interi(2) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	103	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	75	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	262	35	-	0	0

TABLE 3.26.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (interi(2) " IN ZONE " B Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 3.27.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (interi(3)) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	103	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	75	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	262	35	-	0	0

TABLE 3.27.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (interi(3)) " IN ZONE " B Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 3.28.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (interi(4)) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	103	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	75	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	262	35	-	0	0

TABLE 3.28.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (interi(4)) " IN ZONE " B Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

Space Design Load Summary for Sistema Navio

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TABLE 3.29.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (interi(5) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	103	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	75	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	262	35	-	0	0

TABLE 3.29.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (interi(5) " IN ZONE " B Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 3.30.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (interi(6)) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	103	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	75	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	262	35	-	0	0

TABLE 3.30.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (interi(6)) " IN ZONE " B Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² ·°K))	Coeff.	(W)	(W)	(W)

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TABLE 3.31.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (interi(7) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	103	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	75	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	262	35	-	0	0

TABLE 3.31.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (interi(7) " IN ZONE " B Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

Space Design Load Summary for Sistema Navio

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TABLE 3.32.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (interior) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	110 W	103	-	0	0	-
Task Lighting	22 W	21	-	0	0	-
Electric Equipment	77 W	75	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	262	35	-	0	0

TABLE 3.32.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (interior) " IN ZONE " B Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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Project Name: Noble Globetrotter II
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TABLE 3.33.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (vante) " IN ZONE " B Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jul 1000 COOLING OA DB / WB 25,2 °C / 19,7 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	52	-	0 m ²	-	-
Wall Transmission	6 m ²	153	-	6 m ²	230	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	2	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	117 W	108	-	0	0	-
Task Lighting	23 W	22	-	0	0	-
Electric Equipment	82 W	79	-	0	0	-
People	1	61	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	477	35	-	260	0

TABLE 3.33.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (vante) " IN ZONE " B Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
E EXPOSURE						
WALL	6	1,650	-	153	-	230
WINDOW 1	0	4,539	0,782	2	52	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 3.34.A. COMPONENT LOADS FOR SPACE " BDcamarote 2P (vante)(1) " IN ZONE " B Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1000 COOLING OA DB / WB 25,2 °C / 19,7 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	52	-	0 m ²	-	-
Wall Transmission	6 m ²	153	-	6 m ²	230	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	2	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	117 W	108	-	0	0	-
Task Lighting	23 W	22	-	0	0	-
Electric Equipment	82 W	79	-	0	0	-
People	1	61	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	477	35	-	260	0

TABLE 3.34.B. ENVELOPE LOADS FOR SPACE " BDcamarote 2P (vante)(1) " IN ZONE " B Deck "						
			COOLING	COOLING	HEATING	
			TRANS	SOLAR	TRANS	
			(W)	(W)	(W)	
E EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	6	1,650	-	153	-	230
WINDOW 1	0	4,539	0,782	2	52	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 3.35.A. COMPONENT LOADS FOR SPACE " BDsala de arrumos " IN ZONE " B Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jan 2000 COOLING OA DB / WB 17,7 °C / 14,6 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	265 W	178	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	51	133	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	228	133	-	0	0

TABLE 3.35.B. ENVELOPE LOADS FOR SPACE " BDsala de arrumos " IN ZONE " B Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 4.1.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (BB) " IN ZONE " A Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 29,7 °C / 21,0 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	211	0

TABLE 4.1.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (BB) " IN ZONE " A Deck "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

Space Design Load Summary for Sistema Navio

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TABLE 4.2.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (BB)(1) " IN ZONE " A Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	211	0

TABLE 4.2.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (BB)(1) " IN ZONE " A Deck "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 4.3.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (BB)(2) " IN ZONE " A Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	211	0

TABLE 4.3.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (BB)(2) " IN ZONE " A Deck "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

Space Design Load Summary for Sistema Navio

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TABLE 4.4.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (BB)(3) " IN ZONE " A Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	212	0

TABLE 4.4.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (BB)(3) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

Space Design Load Summary for Sistema Navio

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TABLE 4.5.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (BB)(4) " IN ZONE " A Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	212	0

TABLE 4.5.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (BB)(4) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 4.6.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (BB)(5) " IN ZONE " A Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	212	0

TABLE 4.6.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (BB)(5) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 4.7.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (BB)(6) " IN ZONE " A Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	212	0

TABLE 4.7.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (BB)(6) " IN ZONE " A Deck "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 4.8.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (BB)(7) " IN ZONE " A Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,7 °C / 21,0 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	15	-	0 m ²	-	-
Wall Transmission	5 m ²	63	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	63	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	313	35	-	212	0

TABLE 4.8.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (BB)(7) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	5	1,650	-	63	-	182
WINDOW 1	0	4,539	0,782	6	15	30

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TABLE 4.9.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (EB) " IN ZONE " A Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	212	0

TABLE 4.9.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (EB) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 4.10.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (EB)(1) " IN ZONE " A Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	211	0

TABLE 4.10.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (EB)(1) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 4.11.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (EB)(2) " IN ZONE " A Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	212	0

TABLE 4.11.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (EB)(2) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 4.12.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (EB)(3) " IN ZONE " A Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	212	0

TABLE 4.12.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (EB)(3) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 4.13.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (EB)(4) " IN ZONE " A Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	212	0

TABLE 4.13.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (EB)(4) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 4.14.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (EB)(5) " IN ZONE " A Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	212	0

TABLE 4.14.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (EB)(5) " IN ZONE " A Deck "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 4.15.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (EB)(6) " IN ZONE " A Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	212	0

TABLE 4.15.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (EB)(6) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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TABLE 4.16.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (EB)(7) " IN ZONE " A Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1400 COOLING OA DB / WB 27,0 °C / 19,4 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	68	-	0 m ²	-	-
Wall Transmission	5 m ²	141	-	5 m ²	182	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	3	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	92 W	86	-	0	0	-
Task Lighting	18 W	18	-	0	0	-
Electric Equipment	64 W	62	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	439	35	-	212	0

TABLE 4.16.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (EB)(7) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	5	1,650	-	141	-	182
WINDOW 1	0	4,539	0,782	3	68	30

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TABLE 4.17.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (interi(1) " IN ZONE " A Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 4.17.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (interi(1) " IN ZONE " A Deck "						
			COOLING	COOLING	HEATING	
			TRANS	SOLAR	TRANS	
			(W)	(W)	(W)	
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			

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TABLE 4.18.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (interi(2) " IN ZONE " A Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 4.18.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (interi(2) " IN ZONE " A Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 4.19.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (interi(3)) " IN ZONE " A Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 4.19.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (interi(3)) " IN ZONE " A Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 4.20.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (interi(4)) " IN ZONE " A Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 4.20.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (interi(4)) " IN ZONE " A Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 4.21.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (interi(5)) " IN ZONE " A Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 4.21.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (interi(5)) " IN ZONE " A Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 4.22.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (interi(6) " IN ZONE " A Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 4.22.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (interi(6) " IN ZONE " A Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 4.23.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (interi(7) " IN ZONE " A Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 4.23.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (interi(7) " IN ZONE " A Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 4.24.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (interior) " IN ZONE " A Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 4.24.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (interior) " IN ZONE " A Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 4.25.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (NE) " IN ZONE " A Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 23,4 °C / 19,3 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	40	-	0 m ²	-	-
Wall Transmission	7 m ²	127	-	7 m ²	262	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	1	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	130 W	119	-	0	0	-
Task Lighting	26 W	25	-	0	0	-
Electric Equipment	91 W	88	-	0	0	-
People	1	60	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	459	35	-	292	0

TABLE 4.25.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (NE) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
NE EXPOSURE						
WALL	7	1,650	-	127	-	262
WINDOW 1	0	4,539	0,782	1	40	30

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TABLE 4.26.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (SE) " IN ZONE " A Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Sep 1100 COOLING OA DB / WB 25,6 °C / 19,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	57	-	0 m ²	-	-
Wall Transmission	7 m ²	185	-	7 m ²	262	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	2	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	130 W	120	-	0	0	-
Task Lighting	26 W	25	-	0	0	-
Electric Equipment	91 W	88	-	0	0	-
People	1	61	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	538	35	-	292	0

TABLE 4.26.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (SE) " IN ZONE " A Deck "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
SE EXPOSURE						
WALL	7	1,650	-	185	-	262
WINDOW 1	0	4,539	0,782	2	57	30

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TABLE 4.27.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (vante) " IN ZONE " A Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,2 °C / 20,9 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	56	-	0 m ²	-	-
Wall Transmission	6 m ²	188	-	6 m ²	226	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	116 W	109	-	0	0	-
Task Lighting	23 W	22	-	0	0	-
Electric Equipment	81 W	79	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	523	35	-	256	0

TABLE 4.27.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (vante) " IN ZONE " A Deck "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
W EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	6	1,650	-	188	-	226
WINDOW 1	0	4,539	0,782	6	56	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 4.28.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (vante)(1) " IN ZONE " A Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1700 COOLING OA DB / WB 29,2 °C / 20,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	56	-	0 m ²	-	-
Wall Transmission	6 m ²	188	-	6 m ²	226	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	116 W	109	-	0	0	-
Task Lighting	23 W	22	-	0	0	-
Electric Equipment	81 W	79	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	523	35	-	256	0

TABLE 4.28.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (vante)(1) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
W EXPOSURE						
WALL	6	1,650	-	188	-	226
WINDOW 1	0	4,539	0,782	6	56	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 4.29.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (vante)(2) " IN ZONE " A Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29,2 °C / 20,9 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	56	-	0 m ²	-	-
Wall Transmission	6 m ²	188	-	6 m ²	226	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	116 W	109	-	0	0	-
Task Lighting	23 W	22	-	0	0	-
Electric Equipment	81 W	79	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	523	35	-	256	0

TABLE 4.29.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (vante)(2) " IN ZONE " A Deck "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
W EXPOSURE	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.			
WALL	6	1,650	-	188	-	226
WINDOW 1	0	4,539	0,782	6	56	30

Space Design Load Summary for Sistema Navio

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TABLE 4.30.A. COMPONENT LOADS FOR SPACE " ADcamarote 2P (vante)(3) " IN ZONE " A Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1700 COOLING OA DB / WB 29,2 °C / 20,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	56	-	0 m ²	-	-
Wall Transmission	6 m ²	188	-	6 m ²	226	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	6	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	116 W	109	-	0	0	-
Task Lighting	23 W	22	-	0	0	-
Electric Equipment	81 W	79	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	523	35	-	256	0

TABLE 4.30.B. ENVELOPE LOADS FOR SPACE " ADcamarote 2P (vante)(3) " IN ZONE " A Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
W EXPOSURE						
WALL	6	1,650	-	188	-	226
WINDOW 1	0	4,539	0,782	6	56	30

Space Design Load Summary for Sistema Navio

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TABLE 4.31.A. COMPONENT LOADS FOR SPACE " ADsala de arrumos " IN ZONE " A Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jan 2000 COOLING OA DB / WB 17,7 °C / 14,6 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	308 W	206	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	51	133	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	257	133	-	0	0

TABLE 4.31.B. ENVELOPE LOADS FOR SPACE " ADsala de arrumos " IN ZONE " A Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² ·°K))	Coeff.	(W)	(W)	(W)

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 5.1.A. COMPONENT LOADS FOR SPACE " UDbiblioteca " IN ZONE " U Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Oct 1200 COOLING OA DB / WB 25,3 °C / 18,8 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	64	-	0 m ²	-	-
Wall Transmission	11 m ²	319	-	11 m ²	459	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	1	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	1400 W	1190	-	0	0	-
Task Lighting	112 W	103	-	0	0	-
Electric Equipment	504 W	470	-	0	0	-
People	12	656	422	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2803	422	-	488	0

TABLE 5.1.B. ENVELOPE LOADS FOR SPACE " UDbiblioteca " IN ZONE " U Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
S EXPOSURE						
WALL	11	1,650	-	319	-	459
WINDOW 1	0	4,539	0,782	1	64	30

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 5.2.A. COMPONENT LOADS FOR SPACE "UDcamarote 2P" IN ZONE "U Deck"						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 5.2.B. ENVELOPE LOADS FOR SPACE "UDcamarote 2P" IN ZONE "U Deck"						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

Space Design Load Summary for Sistema Navio

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TABLE 5.3.A. COMPONENT LOADS FOR SPACE " UDcamarote 2P(1) " IN ZONE " U Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 5.3.B. ENVELOPE LOADS FOR SPACE " UDcamarote 2P(1) " IN ZONE " U Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 5.4.A. COMPONENT LOADS FOR SPACE " UDcamarote 2P(2) " IN ZONE " U Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 5.4.B. ENVELOPE LOADS FOR SPACE " UDcamarote 2P(2) " IN ZONE " U Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 5.5.A. COMPONENT LOADS FOR SPACE " UDcamarote 2P(3) " IN ZONE " U Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0500 COOLING OA DB / WB 13,2 °C / 12,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	100 W	94	-	0	0	-
Task Lighting	20 W	19	-	0	0	-
Electric Equipment	70 W	68	-	0	0	-
People	1	62	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	244	35	-	0	0

TABLE 5.5.B. ENVELOPE LOADS FOR SPACE " UDcamarote 2P(3) " IN ZONE " U Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 5.6.A. COMPONENT LOADS FOR SPACE " UDescriptorio1 " IN ZONE " U Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jun 1900 COOLING OA DB / WB 26,6 °C / 20,2 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	19	-	0 m ²	-	-
Wall Transmission	6 m ²	84	-	6 m ²	258	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	4	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	400 W	335	-	0	0	-
Task Lighting	32 W	29	-	0	0	-
Electric Equipment	720 W	667	-	0	0	-
People	2	114	120	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1253	120	-	288	0

TABLE 5.6.B. ENVELOPE LOADS FOR SPACE " UDescriptorio1 " IN ZONE " U Deck "						
	Area (m ²)	U-Value (W/(m ² -°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
N EXPOSURE						
WALL	6	1,650	-	84	-	258
WINDOW 1	0	4,539	0,782	4	19	30

Space Design Load Summary for Sistema Navio

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TABLE 5.8.A. COMPONENT LOADS FOR SPACE " UDescriptorio3 " IN ZONE " U Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1900 COOLING OA DB / WB 26,6 °C / 20,2 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	19	-	0 m ²	-	-
Wall Transmission	13 m ²	165	-	13 m ²	503	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	4	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	770 W	645	-	0	0	-
Task Lighting	62 W	56	-	0	0	-
Electric Equipment	1386 W	1284	-	0	0	-
People	4	228	240	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2401	240	-	533	0

TABLE 5.8.B. ENVELOPE LOADS FOR SPACE " UDescriptorio3 " IN ZONE " U Deck "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	13	1,650	-	165	-	503
WINDOW 1	0	4,539	0,782	4	19	30

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Project Name: Noble Globetrotter II
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TABLE 5.9.A. COMPONENT LOADS FOR SPACE " UDhospital " IN ZONE " U Deck "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Sep 1800 COOLING OA DB / WB 27,1 °C / 20,0 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	1 m ²	78	-	1 m ²	-	-
Wall Transmission	28 m ²	412	-	28 m ²	1143	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	1 m ²	8	-	1 m ²	59	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	1380 W	1157	-	0	0	-
Task Lighting	276 W	251	-	0	0	-
Electric Equipment	5520 W	5117	-	0	0	-
People	2	114	120	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	7137	120	-	1202	0

TABLE 5.9.B. ENVELOPE LOADS FOR SPACE " UDhospital " IN ZONE " U Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	28	1,650	-	412	-	1143
WINDOW 1	1	4,539	0,782	8	78	59

Space Design Load Summary for Sistema Navio

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TABLE 5.10.A. COMPONENT LOADS FOR SPACE " UDsala de arrumos " IN ZONE " U Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 2000 COOLING OA DB / WB 17,7 °C / 14,6 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	112 W	75	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	51	133	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	126	133	-	0	0

TABLE 5.10.B. ENVELOPE LOADS FOR SPACE " UDsala de arrumos " IN ZONE " U Deck "						
			COOLING	COOLING	HEATING	
			TRANS	SOLAR	TRANS	
			(W)	(W)	(W)	
Area	U-Value	Shade				
(m ²)	(W/(m ² ·°K))	Coeff.				

Space Design Load Summary for Sistema Navio

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TABLE 5.11.A. COMPONENT LOADS FOR SPACE " UDsala entretenimento1 " IN ZONE " U Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1800 COOLING OA DB / WB 28,2 °C / 20,6 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	16	-	0 m ²	-	-
Wall Transmission	31 m ²	732	-	31 m ²	1230	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	5	-	0 m ²	30	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	1400 W	1190	-	0	0	-
Task Lighting	112 W	103	-	0	0	-
Electric Equipment	1120 W	1044	-	0	0	-
People	40	2187	1407	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	5277	1407	-	1259	0

TABLE 5.11.B. ENVELOPE LOADS FOR SPACE " UDsala entretenimento1 " IN ZONE " U Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	14	1,650	-	182	-	555
WINDOW 1	0	4,539	0,782	5	16	30
W EXPOSURE						
WALL	17	1,650	-	550	-	674

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TABLE 5.12.A. COMPONENT LOADS FOR SPACE " UDsala entretenimento2 " IN ZONE " U Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jul 1800 COOLING OA DB / WB 28,2 °C / 20,6 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	15 m ²	488	-	15 m ²	598	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	1200 W	1020	-	0	0	-
Task Lighting	96 W	88	-	0	0	-
Electric Equipment	960 W	895	-	0	0	-
People	10	666	791	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3157	791	-	598	0

TABLE 5.12.B. ENVELOPE LOADS FOR SPACE " UDsala entretenimento2 " IN ZONE " U Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
W EXPOSURE						
WALL	15	1,650	-	488	-	598

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TABLE 6.1.A. COMPONENT LOADS FOR SPACE " MDrefeitório " IN ZONE " M Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 1900 COOLING OA DB / WB 18,8 °C / 15,1 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	3827 W	3042	-	0	0	-
Task Lighting	306 W	271	-	0	0	-
Electric Equipment	16840 W	15282	-	0	0	-
People	60	3844	8001	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	22439	8001	-	0	0

TABLE 6.1.B. ENVELOPE LOADS FOR SPACE " MDrefeitório " IN ZONE " M Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
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TABLE 6.2.A. COMPONENT LOADS FOR SPACE " Mdsala de arrumos1 " IN ZONE " M Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 2000 COOLING OA DB / WB 17,7 °C / 14,6 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	2930 W	1965	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	51	133	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2015	133	-	0	0

TABLE 6.2.B. ENVELOPE LOADS FOR SPACE " Mdsala de arrumos1 " IN ZONE " M Deck "						
			COOLING	COOLING	HEATING	
			TRANS	SOLAR	TRANS	
			(W)	(W)	(W)	
Area	U-Value	Shade				
(m ²)	(W/(m ² -°K))	Coeff.				

Space Design Load Summary for Sistema Navio

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TABLE 6.3.A. COMPONENT LOADS FOR SPACE " Mdsala de arrumos2 " IN ZONE " M Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 2000 COOLING OA DB / WB 17,7 °C / 14,6 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	840 W	563	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	51	133	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	614	133	-	0	0

TABLE 6.3.B. ENVELOPE LOADS FOR SPACE " Mdsala de arrumos2 " IN ZONE " M Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 6.4.A. COMPONENT LOADS FOR SPACE " Mdsala de arrumos3 " IN ZONE " M Deck "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jan 2000 COOLING OA DB / WB 17,7 °C / 14,6 °C OCCUPIED T-STAT 23,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	2205 W	1479	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	51	133	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1529	133	-	0	0

TABLE 6.4.B. ENVELOPE LOADS FOR SPACE " Mdsala de arrumos3 " IN ZONE " M Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 6.5.A. COMPONENT LOADS FOR SPACE " MDtelefono publico(1) " IN ZONE " M Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 2000 COOLING OA DB / WB 17,7 °C / 14,6 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	65 W	47	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	44	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	92	35	-	0	0

TABLE 6.5.B. ENVELOPE LOADS FOR SPACE " MDtelefono publico(1) " IN ZONE " M Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 6.6.A. COMPONENT LOADS FOR SPACE " MDtelefono publico(2) " IN ZONE " M Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 2000 COOLING OA DB / WB 17,7 °C / 14,6 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	65 W	47	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	44	35	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	92	35	-	0	0

TABLE 6.6.B. ENVELOPE LOADS FOR SPACE " MDtelefono publico(2) " IN ZONE " M Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 7.1.A. COMPONENT LOADS FOR SPACE " UTDescritorio " IN ZONE " UT Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 1900 COOLING OA DB / WB 18,8 °C / 15,1 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	243 W	204	-	0	0	-
Task Lighting	32 W	29	-	0	0	-
Electric Equipment	729 W	676	-	0	0	-
People	2	114	120	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1023	120	-	0	0

TABLE 7.1.B. ENVELOPE LOADS FOR SPACE " UTDescritorio " IN ZONE " UT Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 7.2.A. COMPONENT LOADS FOR SPACE " UTDginasio aero " IN ZONE " UT Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0200 COOLING OA DB / WB 13,8 °C / 13,2 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	870 W	776	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	3480 W	3311	-	0	0	-
People	4	719	1278	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4805	1278	-	0	0

TABLE 7.2.B. ENVELOPE LOADS FOR SPACE " UTDginasio aero " IN ZONE " UT Deck "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

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TABLE 7.3.A. COMPONENT LOADS FOR SPACE "UTDginasio pesos" IN ZONE "UT Deck"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 0200			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 13,8 °C / 13,2 °C			HEATING OA DB / WB -3,3 °C / -5,7 °C		
OCCUPIED T-STAT 23,0 °C			OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	1233 W	1099	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	345 W	328	-	0	0	-
People	4	719	1278	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2147	1278	-	0	0

TABLE 7.3.B. ENVELOPE LOADS FOR SPACE "UTDginasio pesos" IN ZONE "UT Deck"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)

Space Design Load Summary for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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TABLE 7.4.A. COMPONENT LOADS FOR SPACE " UTDsala de arrumos " IN ZONE " UT Deck "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 2000 COOLING OA DB / WB 17,7 °C / 14,6 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -3,3 °C / -5,7 °C OCCUPIED T-STAT 21,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m ²	0	-	0 m ²	-	-
Wall Transmission	0 m ²	0	-	0 m ²	0	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	0 m ²	0	-	0 m ²	0	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	0	-
Overhead Lighting	45 W	30	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	51	133	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	81	133	-	0	0

TABLE 7.4.B. ENVELOPE LOADS FOR SPACE " UTDsala de arrumos " IN ZONE " UT Deck "						
			COOLING	COOLING	HEATING	
			TRANS	SOLAR	TRANS	
			(W)	(W)	(W)	
Area	U-Value	Shade				
(m ²)	(W/(m ² -°K))	Coeff.				

Hourly Air System Design Day Loads for Sistema Navio

Project Name: Noble Globetrotter II
 Prepared by: DOMOSERVE

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DESIGN MONTH: JULY										
Hour	OA TEMP (°C)	COMMON VENT AIRFLOW (L/s)	CENTRAL COOLING SENSIBLE (kW)	CENTRAL COOLING TOTAL (kW)	CENTRAL HEATING COIL (kW)	VENT COOLING COIL (kW)	VENT HEATING COIL (kW)	TERMINAL COOLING (kW)	TERMINAL HEATING (kW)	ZONE HEATING UNIT (kW)
0000	23,0	0	0,0	0,0	0,0	0,0	0,0	114,4	0,0	0,0
0100	22,6	0	0,0	0,0	0,0	0,0	0,0	105,2	0,0	0,0
0200	22,2	0	0,0	0,0	0,0	0,0	0,0	77,6	0,0	0,0
0300	21,8	0	0,0	0,0	0,0	0,0	0,0	78,2	0,0	0,0
0400	21,6	0	0,0	0,0	0,0	0,0	0,0	71,2	0,0	0,0
0500	21,5	0	0,0	0,0	0,0	0,0	0,0	99,3	0,0	0,0
0600	21,7	0	0,0	0,0	0,0	0,0	0,0	107,6	0,0	0,0
0700	22,1	0	0,0	0,0	0,0	0,0	0,0	103,8	0,0	0,0
0800	22,9	0	0,0	0,0	0,0	0,0	0,0	100,0	0,0	0,0
0900	24,0	0	0,0	0,0	0,0	0,0	0,0	105,1	0,0	0,0
1000	25,2	0	0,0	0,0	0,0	0,0	0,0	101,5	0,0	0,0
1100	26,7	0	0,0	0,0	0,0	0,0	0,0	140,0	0,0	0,0
1200	28,0	0	0,0	0,0	0,0	0,0	0,0	141,6	0,0	0,0
1300	29,1	0	0,0	0,0	0,0	0,0	0,0	150,4	0,0	0,0
1400	29,7	0	0,0	0,0	0,0	0,0	0,0	126,4	0,0	0,0
1500	30,0	0	0,0	0,0	0,0	0,0	0,0	130,6	0,0	0,0
1600	29,7	0	0,0	0,0	0,0	0,0	0,0	122,5	0,0	0,0
1700	29,2	0	0,0	0,0	0,0	0,0	0,0	148,3	0,0	0,0
1800	28,2	0	0,0	0,0	0,0	0,0	0,0	145,1	0,0	0,0
1900	27,1	0	0,0	0,0	0,0	0,0	0,0	127,7	0,0	0,0
2000	26,0	0	0,0	0,0	0,0	0,0	0,0	102,7	0,0	0,0
2100	25,1	0	0,0	0,0	0,0	0,0	0,0	96,4	0,0	0,0
2200	24,2	0	0,0	0,0	0,0	0,0	0,0	81,9	0,0	0,0
2300	23,5	0	0,0	0,0	0,0	0,0	0,0	108,2	0,0	0,0

Hourly Zone Loads for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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ZONE: N Deck DESIGN MONTH: JULY									
Hour	OA TEMP (°C)	ZONE TEMP (°C)	RH (%)	ZONE AIRFLOW (L/s)	ZONE SENSIBLE LOAD (W)	ZONE COND (W)	TERMINAL COOLING COIL (W)	TERMINAL HEATING COIL (W)	ZONE HEATING UNIT (W)
0000	23,0	23,5	74	4372,2	24705,2	24748,9	27500,9	0,0	0,0
0100	22,6	23,4	77	4372,2	21338,7	21789,5	24051,9	0,0	0,0
0200	22,2	23,2	76	4372,2	20917,4	22024,6	22955,1	0,0	0,0
0300	21,8	23,3	75	4372,2	22053,1	22490,7	23364,0	0,0	0,0
0400	21,6	23,2	77	4372,2	20194,8	20934,7	21454,0	0,0	0,0
0500	21,5	23,3	78	4372,2	19904,4	20542,0	22525,8	0,0	0,0
0600	21,7	23,5	71	4372,2	28417,7	27890,1	30687,2	0,0	0,0
0700	22,1	23,4	72	4372,2	27017,9	26904,9	29322,8	0,0	0,0
0800	22,9	23,7	70	4372,2	29769,7	28510,3	30442,2	0,0	0,0
0900	24,0	23,7	66	4372,2	34206,1	33003,9	35143,6	0,0	0,0
1000	25,2	23,7	64	4372,2	35528,4	34336,7	36463,0	0,0	0,0
1100	26,7	23,6	63	4372,2	37992,5	37275,3	41455,0	0,0	0,0
1200	28,0	23,7	63	4372,2	37417,8	36335,5	40759,5	0,0	0,0
1300	29,1	23,6	60	4372,2	41104,5	40276,9	45054,7	0,0	0,0
1400	29,7	23,6	59	4372,2	41755,4	40891,4	44493,0	0,0	0,0
1500	30,0	23,9	59	4372,2	43330,5	41262,4	44911,5	0,0	0,0
1600	29,7	23,7	59	4372,2	41081,5	40204,0	43592,8	0,0	0,0
1700	29,2	23,8	62	4372,2	39527,5	37862,7	42390,4	0,0	0,0
1800	28,2	23,6	60	4372,2	40313,6	39850,1	44574,1	0,0	0,0
1900	27,1	23,6	65	4372,2	34633,7	33900,2	37491,5	0,0	0,0
2000	26,0	23,4	71	4372,2	26265,4	26887,6	28953,9	0,0	0,0
2100	25,1	23,5	71	4372,2	26668,3	26709,3	28485,8	0,0	0,0
2200	24,2	23,3	74	4372,2	23034,5	23697,7	24847,6	0,0	0,0
2300	23,5	23,4	76	4372,2	22327,3	22349,7	24665,6	0,0	0,0

ZONE: C Deck DESIGN MONTH: JULY									
Hour	OA TEMP (°C)	ZONE TEMP (°C)	RH (%)	ZONE AIRFLOW (L/s)	ZONE SENSIBLE LOAD (W)	ZONE COND (W)	TERMINAL COOLING COIL (W)	TERMINAL HEATING COIL (W)	ZONE HEATING UNIT (W)
0000	23,0	23,5	69	1191,1	9117,0	9348,3	12307,3	0,0	0,0
0100	22,6	23,5	69	1191,1	9038,0	9182,2	11714,9	0,0	0,0
0200	22,2	23,6	68	1191,1	8967,0	8776,7	9779,6	0,0	0,0
0300	21,8	23,6	69	1191,1	8902,7	8665,2	9596,5	0,0	0,0
0400	21,6	23,5	68	1191,1	8849,2	8849,9	9544,2	0,0	0,0
0500	21,5	23,5	70	1191,1	8813,3	9019,3	11198,6	0,0	0,0
0600	21,7	23,3	83	1191,1	4365,9	5350,8	6316,8	0,0	0,0
0700	22,1	23,4	82	1191,1	4879,3	5511,7	6414,3	0,0	0,0
0800	22,9	23,7	68	1191,1	9850,4	9064,3	10689,3	0,0	0,0
0900	24,0	23,6	68	1191,1	9692,0	9078,3	10875,0	0,0	0,0
1000	25,2	23,6	65	1191,1	10029,6	9735,9	11877,7	0,0	0,0
1100	26,7	23,6	67	1191,1	10230,9	10021,5	14086,1	0,0	0,0
1200	28,0	23,6	68	1191,1	10170,5	9702,5	14043,4	0,0	0,0
1300	29,1	23,7	68	1191,1	10264,0	9646,4	14164,8	0,0	0,0
1400	29,7	23,6	64	1191,1	10232,7	9955,0	13624,0	0,0	0,0
1500	30,0	23,5	63	1191,1	10207,9	10267,5	14291,6	0,0	0,0
1600	29,7	23,6	63	1191,1	10456,0	10201,6	13855,4	0,0	0,0
1700	29,2	23,6	66	1191,1	10273,8	10147,4	15010,6	0,0	0,0
1800	28,2	23,5	76	1191,1	7098,9	7041,0	10508,2	0,0	0,0
1900	27,1	23,4	79	1191,1	5334,2	6103,5	8622,7	0,0	0,0
2000	26,0	23,6	66	1191,1	10094,7	9656,3	12247,3	0,0	0,0
2100	25,1	23,6	67	1191,1	9540,4	9090,1	11141,2	0,0	0,0
2200	24,2	23,5	66	1191,1	9340,6	9252,1	10832,9	0,0	0,0
2300	23,5	23,5	69	1191,1	9216,2	9373,7	12253,9	0,0	0,0

Hourly Zone Loads for Sistema Navio

Project Name: Noble Globetrotter II
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ZONE: B Deck DESIGN MONTH: JULY									
Hour	OA TEMP (°C)	ZONE TEMP (°C)	RH (%)	ZONE AIRFLOW (L/s)	ZONE SENSIBLE LOAD (W)	ZONE COND (W)	TERMINAL COOLING COIL (W)	TERMINAL HEATING COIL (W)	ZONE HEATING UNIT (W)
0000	23,0	23,5	71	1328,3	9727,7	9490,1	11958,9	0,0	0,0
0100	22,6	23,6	71	1328,3	9628,7	9268,7	11350,2	0,0	0,0
0200	22,2	23,5	69	1328,3	9537,5	9465,0	10403,7	0,0	0,0
0300	21,8	23,5	69	1328,3	9454,0	9316,4	10192,4	0,0	0,0
0400	21,6	23,6	70	1328,3	9383,9	8920,2	9280,7	0,0	0,0
0500	21,5	23,5	71	1328,3	9335,6	9339,5	11263,8	0,0	0,0
0600	21,7	23,3	85	1328,3	4009,1	4889,5	5554,4	0,0	0,0
0700	22,1	23,4	85	1328,3	4260,2	4772,0	5247,9	0,0	0,0
0800	22,9	23,5	68	1328,3	10122,1	9811,8	11387,0	0,0	0,0
0900	24,0	23,5	67	1328,3	10276,0	10120,7	11911,6	0,0	0,0
1000	25,2	23,6	66	1328,3	10712,5	10266,8	12088,3	0,0	0,0
1100	26,7	23,6	67	1328,3	11190,1	10877,4	14619,2	0,0	0,0
1200	28,0	23,6	66	1328,3	11600,2	11020,5	15124,2	0,0	0,0
1300	29,1	23,6	65	1328,3	11913,8	11620,9	16148,1	0,0	0,0
1400	29,7	23,6	62	1328,3	12177,5	11900,9	15519,0	0,0	0,0
1500	30,0	23,6	62	1328,3	12337,0	11843,0	15565,0	0,0	0,0
1600	29,7	23,7	62	1328,3	12310,8	11675,0	15029,6	0,0	0,0
1700	29,2	23,7	66	1328,3	12113,5	11169,8	15510,3	0,0	0,0
1800	28,2	23,4	75	1328,3	7574,7	7923,1	11283,6	0,0	0,0
1900	27,1	23,4	79	1328,3	5989,5	6643,0	8999,7	0,0	0,0
2000	26,0	23,7	67	1328,3	10834,5	10021,1	12148,2	0,0	0,0
2100	25,1	23,5	67	1328,3	10207,4	10115,0	12075,7	0,0	0,0
2200	24,2	23,6	67	1328,3	10001,2	9774,0	11091,9	0,0	0,0
2300	23,5	23,6	71	1328,3	9849,3	9477,5	11818,6	0,0	0,0

ZONE: A Deck DESIGN MONTH: JULY									
Hour	OA TEMP (°C)	ZONE TEMP (°C)	RH (%)	ZONE AIRFLOW (L/s)	ZONE SENSIBLE LOAD (W)	ZONE COND (W)	TERMINAL COOLING COIL (W)	TERMINAL HEATING COIL (W)	ZONE HEATING UNIT (W)
0000	23,0	23,5	70	1099,8	8076,7	8065,0	10187,7	0,0	0,0
0100	22,6	23,5	70	1099,8	7998,0	7934,0	9735,7	0,0	0,0
0200	22,2	23,6	69	1099,8	7925,4	7592,0	8227,8	0,0	0,0
0300	21,8	23,5	69	1099,8	7859,0	7905,6	8676,9	0,0	0,0
0400	21,6	23,5	69	1099,8	7803,2	7734,8	8162,7	0,0	0,0
0500	21,5	23,6	72	1099,8	7764,6	7585,6	9002,9	0,0	0,0
0600	21,7	23,4	86	1099,8	3415,7	4005,3	4446,4	0,0	0,0
0700	22,1	23,3	84	1099,8	3596,6	4357,4	4897,9	0,0	0,0
0800	22,9	23,6	69	1099,8	8416,9	7936,0	9110,4	0,0	0,0
0900	24,0	23,5	67	1099,8	8480,9	8326,2	9763,9	0,0	0,0
1000	25,2	23,5	65	1099,8	8815,3	8790,4	10439,0	0,0	0,0
1100	26,7	23,6	67	1099,8	9178,3	8811,0	11780,2	0,0	0,0
1200	28,0	23,5	65	1099,8	9504,1	9394,1	12937,8	0,0	0,0
1300	29,1	23,5	64	1099,8	9766,0	9723,8	13576,5	0,0	0,0
1400	29,7	23,6	63	1099,8	9999,0	9539,0	12450,6	0,0	0,0
1500	30,0	23,6	62	1099,8	10165,5	9836,6	12974,5	0,0	0,0
1600	29,7	23,7	62	1099,8	10198,5	9710,3	12542,9	0,0	0,0
1700	29,2	23,7	65	1099,8	10089,1	9404,1	13075,0	0,0	0,0
1800	28,2	23,5	75	1099,8	6417,8	6699,6	9517,1	0,0	0,0
1900	27,1	23,4	78	1099,8	5082,1	5626,2	7566,7	0,0	0,0
2000	26,0	23,7	67	1099,8	9043,5	8434,6	10234,3	0,0	0,0
2100	25,1	23,5	67	1099,8	8461,2	8401,7	10032,7	0,0	0,0
2200	24,2	23,6	67	1099,8	8294,1	8154,9	9265,2	0,0	0,0
2300	23,5	23,6	70	1099,8	8173,3	7942,4	9910,3	0,0	0,0

Hourly Zone Loads for Sistema Navio

Project Name: Noble Globetrotter II
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ZONE: U Deck DESIGN MONTH: JULY									
Hour	OA TEMP (°C)	ZONE TEMP (°C)	RH (%)	ZONE AIRFLOW (L/s)	ZONE SENSIBLE LOAD (W)	ZONE COND (W)	TERMINAL COOLING COIL (W)	TERMINAL HEATING COIL (W)	ZONE HEATING UNIT (W)
0000	23,0	23,4	69	2348,0	15995,1	16317,1	18546,3	0,0	0,0
0100	22,6	23,3	74	2348,0	12814,8	13449,6	14522,2	0,0	0,0
0200	22,2	23,4	73	2348,0	12602,1	12871,6	12621,7	0,0	0,0
0300	21,8	23,2	73	2348,0	12459,4	13333,0	13217,7	0,0	0,0
0400	21,6	23,2	73	2348,0	12329,3	13018,1	12587,9	0,0	0,0
0500	21,5	23,4	71	2348,0	15401,1	15547,3	16752,6	0,0	0,0
0600	21,7	23,6	63	2348,0	21013,4	20427,0	23045,0	0,0	0,0
0700	22,1	23,6	67	2348,0	18104,3	17511,7	19219,4	0,0	0,0
0800	22,9	23,6	65	2348,0	18910,3	18283,0	19909,2	0,0	0,0
0900	24,0	23,5	64	2348,0	19025,6	18828,2	21041,6	0,0	0,0
1000	25,2	23,6	68	2348,0	16622,3	16051,6	17563,5	0,0	0,0
1100	26,7	23,6	64	2348,0	20128,9	19696,7	24107,8	0,0	0,0
1200	28,0	23,4	67	2348,0	17166,0	17302,7	21762,6	0,0	0,0
1300	29,1	23,6	67	2348,0	17614,1	17289,8	21977,3	0,0	0,0
1400	29,7	23,7	67	2348,0	17838,7	17017,4	20719,7	0,0	0,0
1500	30,0	23,5	65	2348,0	18009,3	17959,7	22380,6	0,0	0,0
1600	29,7	23,6	66	2348,0	18043,8	17573,9	21398,1	0,0	0,0
1700	29,2	23,6	62	2348,0	21115,6	20755,8	26508,5	0,0	0,0
1800	28,2	23,9	60	2348,0	23351,4	22100,2	27617,9	0,0	0,0
1900	27,1	23,8	64	2348,0	19844,1	19060,4	23041,1	0,0	0,0
2000	26,0	23,5	67	2348,0	16560,3	16880,7	19394,9	0,0	0,0
2100	25,1	23,6	68	2348,0	16671,1	16354,4	18056,4	0,0	0,0
2200	24,2	23,4	72	2348,0	13086,7	13670,8	14243,3	0,0	0,0
2300	23,5	23,4	69	2348,0	16072,4	16536,8	18879,2	0,0	0,0

ZONE: M Deck DESIGN MONTH: JULY									
Hour	OA TEMP (°C)	ZONE TEMP (°C)	RH (%)	ZONE AIRFLOW (L/s)	ZONE SENSIBLE LOAD (W)	ZONE COND (W)	TERMINAL COOLING COIL (W)	TERMINAL HEATING COIL (W)	ZONE HEATING UNIT (W)
0000	23,0	23,6	63	2604,4	23093,7	22594,7	25623,5	0,0	0,0
0100	22,6	23,6	62	2604,4	23333,8	23046,0	25913,5	0,0	0,0
0200	22,2	23,2	72	2604,4	5457,8	6358,5	6117,5	0,0	0,0
0300	21,8	23,3	72	2604,4	8733,9	8998,1	8494,1	0,0	0,0
0400	21,6	23,1	72	2604,4	4995,6	5895,3	5370,7	0,0	0,0
0500	21,5	23,7	64	2604,4	22796,8	21871,5	23572,1	0,0	0,0
0600	21,7	23,6	58	2604,4	26329,8	25885,9	29122,5	0,0	0,0
0700	22,1	23,6	57	2604,4	26689,3	26403,1	29923,3	0,0	0,0
0800	22,9	23,2	73	2604,4	8928,0	9702,8	9792,6	0,0	0,0
0900	24,0	23,2	73	2604,4	8916,3	9575,2	10228,9	0,0	0,0
1000	25,2	23,3	71	2604,4	5170,7	5607,7	6882,2	0,0	0,0
1100	26,7	23,5	62	2604,4	22964,9	22609,6	27616,8	0,0	0,0
1200	28,0	23,6	62	2604,4	23093,3	22473,4	28015,2	0,0	0,0
1300	29,1	23,5	61	2604,4	23333,3	23117,6	29536,2	0,0	0,0
1400	29,7	23,1	73	2604,4	5457,4	6391,3	10037,1	0,0	0,0
1500	30,0	23,2	73	2604,4	8913,5	9499,5	13237,1	0,0	0,0
1600	29,7	23,2	72	2604,4	4998,5	5467,6	9059,5	0,0	0,0
1700	29,2	23,5	62	2604,4	22799,6	22350,7	28579,6	0,0	0,0
1800	28,2	23,7	59	2604,4	26332,5	25405,4	31879,9	0,0	0,0
1900	27,1	23,6	57	2604,4	26691,8	26159,6	32160,6	0,0	0,0
2000	26,0	23,2	72	2604,4	8930,4	9511,0	11181,7	0,0	0,0
2100	25,1	23,2	72	2604,4	8918,6	9515,9	10729,0	0,0	0,0
2200	24,2	23,2	71	2604,4	5173,0	5684,4	6456,6	0,0	0,0
2300	23,5	23,6	63	2604,4	22967,1	22407,2	25552,6	0,0	0,0

Hourly Zone Loads for Sistema Navio

Project Name: Noble Globetrotter II
 Prepared by: DOMOSERVE

02/21/2017
 04:23

ZONE: UT Deck DESIGN MONTH: JULY									
Hour	OA TEMP (°C)	ZONE TEMP (°C)	RH (%)	ZONE AIRFLOW (L/s)	ZONE SENSIBLE LOAD (W)	ZONE COND (W)	TERMINAL COOLING COIL (W)	TERMINAL HEATING COIL (W)	ZONE HEATING UNIT (W)
0000	23,0	23,5	61	783,4	7111,3	7132,6	8300,3	0,0	0,0
0100	22,6	23,7	62	783,4	7130,4	6976,5	7911,4	0,0	0,0
0200	22,2	23,7	61	783,4	7148,8	6974,1	7516,7	0,0	0,0
0300	21,8	23,5	72	783,4	4704,2	4787,3	4705,6	0,0	0,0
0400	21,6	23,4	71	783,4	4668,0	4900,7	4819,6	0,0	0,0
0500	21,5	23,4	73	783,4	4682,5	4799,5	5002,1	0,0	0,0
0600	21,7	23,9	60	783,4	7926,6	7530,8	8434,0	0,0	0,0
0700	22,1	23,8	58	783,4	7964,2	7776,7	8795,7	0,0	0,0
0800	22,9	23,8	58	783,4	8000,4	7782,2	8702,1	0,0	0,0
0900	24,0	23,5	67	783,4	5510,7	5617,5	6139,8	0,0	0,0
1000	25,2	23,5	67	783,4	5488,1	5562,2	6157,3	0,0	0,0
1100	26,7	23,7	70	783,4	5466,5	5330,8	6358,1	0,0	0,0
1200	28,0	23,6	61	783,4	7106,8	7128,6	8948,8	0,0	0,0
1300	29,1	23,7	58	783,4	7927,3	7831,8	9938,6	0,0	0,0
1400	29,7	23,8	57	783,4	7959,7	7771,1	9597,3	0,0	0,0
1500	30,0	23,4	66	783,4	5577,7	5818,8	7280,6	0,0	0,0
1600	29,7	23,4	66	783,4	5555,5	5740,3	7066,3	0,0	0,0
1700	29,2	23,5	68	783,4	5583,4	5638,9	7197,7	0,0	0,0
1800	28,2	23,8	59	783,4	7989,9	7745,1	9695,4	0,0	0,0
1900	27,1	23,7	57	783,4	8025,1	7989,5	9808,4	0,0	0,0
2000	26,0	23,6	60	783,4	7257,6	7244,3	8491,0	0,0	0,0
2100	25,1	23,4	69	783,4	5010,5	5267,4	5872,3	0,0	0,0
2200	24,2	23,5	70	783,4	4817,1	4937,9	5190,2	0,0	0,0
2300	23,5	23,6	73	783,4	4733,2	4723,8	5127,9	0,0	0,0

System Psychrometrics for Sistema Navio

Project Name: Noble Globetrotter II
 Prepared by: DOMOSERVE

02/21/2017
 04:27

January DESIGN COOLING DAY, 1300

TABLE 1: SYSTEM DATA

Component	Location	Dry-Bulb Temp (°C)	Specific Humidity (kg/kg)	Airflow (L/s)	CO2 Level (ppm)	Sensible Heat (W)	Latent Heat (W)
Ventilation Air	Inlet	20,7	0,00919	1610	400	-6939	-5806
Vent - Return Mixing	Outlet	-17,8	0,00000	0	0	-	-
Ventilation Fan	Outlet	-17,8	0,00000	0	0	0	-
Zone Air	-	24,2	0,01068	13727	106	147107	16689
Return Plenum	Outlet	-17,8	0,01068	13727	106	0	-

Air Density x Heat Capacity x Conversion Factor: At sea level = 1,207; At site altitude = 1,202 W/(L/s-K)

Air Density x Heat of Vaporization x Conversion Factor: At sea level = 2947,6; At site altitude = 2934,7 W/(L/s)

Site Altitude = 36,9 m

System Psychrometrics for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

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TABLE 2: ZONE DATA

Component	Location	Dry-Bulb Temp (°C)	Specific Humidity (kg/kg)	Airflow (L/s)	CO2 Level (ppm)	Sensible Heat (W)	Latent Heat (W)
N Deck (Cooling)							
Ventilation Air	-	-	-	144	-	-	-
Cooling Coil Inlet	-	23,7	0,01143	4372	0	-	-
Cooling Coil Outlet	-	16,6	0,01130	4372	0	37252	1725
Heating Coil Inlet	-	16,6	0,01130	4372	0	-	-
Heating Coil Outlet	-	16,6	0,01130	4372	0	0	-
Zone Air	-	23,7	0,01152	4372	0	37331	-
C Deck (Cooling)							
Ventilation Air	-	-	-	225	-	-	-
Cooling Coil Inlet	-	23,3	0,01070	1191	0	-	-
Cooling Coil Outlet	-	15,0	0,01015	1191	0	11787	1935
Heating Coil Inlet	-	15,0	0,01015	1191	0	-	-
Heating Coil Outlet	-	15,0	0,01015	1191	0	0	-
Zone Air	-	23,8	0,01106	1191	0	12488	-
B Deck (Cooling)							
Ventilation Air	-	-	-	199	-	-	-
Cooling Coil Inlet	-	23,4	0,01046	1328	0	-	-
Cooling Coil Outlet	-	14,8	0,00994	1328	0	13810	2031
Heating Coil Inlet	-	14,8	0,00994	1328	0	-	-
Heating Coil Outlet	-	14,8	0,00994	1328	0	0	-
Zone Air	-	23,8	0,01068	1328	0	14410	-
A Deck (Cooling)							
Ventilation Air	-	-	-	170	-	-	-
Cooling Coil Inlet	-	23,5	0,01054	1100	0	-	-
Cooling Coil Outlet	-	14,9	0,01006	1100	0	11271	1562
Heating Coil Inlet	-	14,9	0,01006	1100	0	-	-
Heating Coil Outlet	-	14,9	0,01006	1100	0	0	-
Zone Air	-	23,9	0,01080	1100	0	11802	-
U Deck (Cooling)							
Ventilation Air	-	-	-	333	-	-	-
Cooling Coil Inlet	-	23,6	0,00991	2348	0	-	-
Cooling Coil Outlet	-	14,4	0,00967	2348	0	25716	1697
Heating Coil Inlet	-	14,4	0,00967	2348	0	-	-
Heating Coil Outlet	-	14,4	0,00967	2348	0	0	-
Zone Air	-	23,9	0,01003	2348	0	26761	-
M Deck (Cooling)							
Ventilation Air	-	-	-	425	-	-	-
Cooling Coil Inlet	-	24,3	0,00978	2604	0	-	-
Cooling Coil Outlet	-	14,4	0,00961	2604	0	30759	1281
Heating Coil Inlet	-	14,4	0,00961	2604	0	-	-
Heating Coil Outlet	-	14,4	0,00961	2604	0	0	-
Zone Air	-	24,9	0,00988	2604	0	32610	-
UT Deck (Cooling)							
Ventilation Air	-	-	-	114	-	-	-
Cooling Coil Inlet	-	26,1	0,00975	783	0	-	-
Cooling Coil Outlet	-	14,4	0,00949	783	0	10945	593
Heating Coil Inlet	-	14,4	0,00949	783	0	-	-
Heating Coil Outlet	-	14,4	0,00949	783	0	0	-
Zone Air	-	26,9	0,00984	783	0	11705	-

System Psychrometrics for Sistema Navio

Project Name: Noble Globetrotter II
Prepared by: DOMOSERVE

02/21/2017
04:27

WINTER DESIGN HEATING

TABLE 1: SYSTEM DATA

Component	Location	Dry-Bulb Temp (°C)	Specific Humidity (kg/kg)	Airflow (L/s)	CO2 Level (ppm)	Sensible Heat (W)	Latent Heat (W)
Ventilation Air	Inlet	-3,3	0,00142	1610	400	-46934	0
Vent - Return Mixing	Outlet	-17,8	0,00000	0	0	-	-
Ventilation Fan	Outlet	-17,8	0,00000	0	0	0	-
Zone Air	-	20,9	0,00142	13727	0	-40014	0
Return Plenum	Outlet	-17,8	0,00142	13727	0	0	-

Air Density x Heat Capacity x Conversion Factor: At sea level = 1,207; At site altitude = 1,202 W/(L/s-K)

Air Density x Heat of Vaporization x Conversion Factor: At sea level = 2947,6; At site altitude = 2934,7 W/(L/s)

Site Altitude = 36,9 m

System Psychrometrics for Sistema Navio

Project Name: Noble Globetrotter II
 Prepared by: DOMOSERVE

02/21/2017
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TABLE 2: ZONE DATA

Component	Location	Dry-Bulb Temp (°C)	Specific Humidity (kg/kg)	Airflow (L/s)	CO2 Level (ppm)	Sensible Heat (W)	Latent Heat (W)
N Deck (Heating)							
Ventilation Air	-	-	-	144	-	-	-
Cooling Coil Inlet	-	20,3	0,00142	4372	0	-	-
Cooling Coil Outlet	-	20,3	0,00142	4372	0	0	0
Heating Coil Inlet	-	20,3	0,00142	4372	0	-	-
Heating Coil Outlet	-	24,6	0,00142	4372	0	22599	-
Zone Air	-	21,0	0,00142	4372	0	-18839	-
C Deck (Heating)							
Ventilation Air	-	-	-	225	-	-	-
Cooling Coil Inlet	-	16,4	0,00142	1191	0	-	-
Cooling Coil Outlet	-	16,4	0,00142	1191	0	0	0
Heating Coil Inlet	-	16,4	0,00142	1191	0	-	-
Heating Coil Outlet	-	24,8	0,00142	1191	0	12057	-
Zone Air	-	20,9	0,00142	1191	0	-5626	-
B Deck (Heating)							
Ventilation Air	-	-	-	199	-	-	-
Cooling Coil Inlet	-	17,2	0,00142	1328	0	-	-
Cooling Coil Outlet	-	17,2	0,00142	1328	0	0	0
Heating Coil Inlet	-	17,2	0,00142	1328	0	-	-
Heating Coil Outlet	-	24,6	0,00142	1328	0	11790	-
Zone Air	-	20,7	0,00142	1328	0	-6166	-
A Deck (Heating)							
Ventilation Air	-	-	-	170	-	-	-
Cooling Coil Inlet	-	17,1	0,00142	1100	0	-	-
Cooling Coil Outlet	-	17,1	0,00142	1100	0	0	0
Heating Coil Inlet	-	17,1	0,00142	1100	0	-	-
Heating Coil Outlet	-	24,6	0,00142	1100	0	9831	-
Zone Air	-	20,8	0,00142	1100	0	-5014	-
U Deck (Deadband)							
Ventilation Air	-	-	-	333	-	-	-
Cooling Coil Inlet	-	17,6	0,00142	2348	0	-	-
Cooling Coil Outlet	-	17,6	0,00142	2348	0	0	0
Heating Coil Inlet	-	17,6	0,00142	2348	0	-	-
Heating Coil Outlet	-	22,5	0,00142	2348	0	13880	-
Zone Air	-	21,0	0,00142	2348	0	-4369	-
M Deck (Deadband)							
Ventilation Air	-	-	-	425	-	-	-
Cooling Coil Inlet	-	17,1	0,00142	2604	0	-	-
Cooling Coil Outlet	-	17,1	0,00142	2604	0	0	0
Heating Coil Inlet	-	17,1	0,00142	2604	0	-	-
Heating Coil Outlet	-	21,0	0,00142	2604	0	12176	-
Zone Air	-	21,0	0,00142	2604	0	0	-
UT Deck (Deadband)							
Ventilation Air	-	-	-	114	-	-	-
Cooling Coil Inlet	-	17,6	0,00142	783	0	-	-
Cooling Coil Outlet	-	17,6	0,00142	783	0	0	0
Heating Coil Inlet	-	17,6	0,00142	783	0	-	-
Heating Coil Outlet	-	21,0	0,00142	783	0	3243	-
Zone Air	-	21,0	0,00142	783	0	0	-