Kita LP 22

Templari heat pumps full load and variable load performance data with external air temperature as in columns A, B, C and D in compliance with UNI EN 14825 AND UNI EN 14511

Full load performance - UNI EN 14511								
Water outlet T [°C]	35		45		55		65	
External T [°C]	Declared capacity [kW]	COP	Declared capacity [kW]	COP	Declared capacity [kW]	COP	Declared capacity [kW]	COP
-25	9.47	1.87	9.21	1.54	9.01	1.30	/	/
-20	11.12	2.18	10.80	1.79	10.53	1.51	9.10	1.29
-15	12.87	2.51	12.50	2.06	12.16	1.73	11.74	1.45
-10	14.75	2.86	14.30	2.34	13.87	1.96	13.33	1.63
-7	15.94	3.08	15.44	2.51	14.95	2.11	14.34	1.75
2	20.20	3.86	19.41	3.11	18.63	2.59	17.69	2.14
7	22.00	4.39	21.97	3.51	20.97	2.91	19.88	2.39
12	22.92	5.10	24.72	4.05	23.61	3.34	22.24	2.72

Part load performance – UNI EN 14825				
Correction Factor calculation	**A**	**B**	**C**	**D**
External T [°C]	-7	2	7	12
PLR	88%	54%	35%	15%
Declared capacity [kW]	16.00	9.74	6.26	4.94
CR	1.00	1.00	1.00	0.56
COP' (partial load performance)	3.15	5.02	6.83	9.74

T_{design}=-10.00°C
SCOP [Average]=5.11

Chiller mode performance – Fan coil application			**Chiller mode performance – Cooling floor application**		
Water outlet T 7°C			Water outlet T 18°C		
Nominal capacity A35/W7 [kW]		17.14	Nominal capacity A35/W18 [kW]		19.94
Part load ratio	Water outlet T [°C]	EER	Part load ratio	Water outlet [°C]	EER
100%	7.0	3.00	100%	18.0	4.54
75%	8.5	4.30	75%	18.0	6.18
50%	10.0	7.01	50%	18.0	8.01
25%	11.5	7.66	25%	18.0	9.43

SEER [cooling floor]=6.20
SEER [fan coil]=5.03

Via C. Battisti, 169
35031 Abano Terme (PD) - Italy
Tel. +39 049 8597400
info@templari.com - www.templari.com

C.F e P.IVA 04128520287
Capitale Sociale i.v. €2.000.000,00
Reg. Imp. di Padova N. 04128520287
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