Kita MP 16

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	6.30	1.93	6.13	1.53	5.93	1.40	5.68	1.15
-20	7.40	2.21	7.19	1.74	6.93	1.50	6.64	1.29
-15	8.61	2.53	8.35	1.97	7.97	1.77	7.60	1.43
-10	9.90	2.88	9.59	2.22	9.13	1.98	8.66	1.59
-7	10.72	3.10	10.38	2.38	9.86	2.11	9.33	1.68
2	13.58	3.92	13.03	2.93	12.29	2.55	11.52	1.99
7	16.00	4.48	14.63	3.49	13.87	2.83	12.84	2.30
12	17.34	5.30	16.46	4.00	15.57	3.23	14.40	2.54

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]	10.85	6.60	4.25	3.71
CR	1.00	1.00	1.00	0.51
COP' (partial load performance)	2.97	5.01	7.19	10.30

T_{design}=-10.00°C
SCOP [Average]=5.12

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]		12.00	Nominal capacity A35/W18 [kW]		12.00
Part load ratio	Water outlet T [°C]	EER	Part load ratio	Water outlet [°C]	EER
100%	7.0	3.11	100%	18.0	5.61
75%	8.5	4.96	75%	18.0	7.59
50%	10.0	7.42	50%	18.0	12.79
25%	11.5	10.10	25%	18.0	12.81

SEER [cooling floor]=7.40
SEER [fan coil]=5.27

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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