Kita MP 14

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	5.70	1.97	5.53	1.57	5.35	1.36	5.10	1.18
-20	6.70	2.27	6.50	1.80	6.27	1.55	5.99	1.34
-15	7.79	2.59	7.56	2.04	7.27	1.75	6.88	1.50
-10	8.98	2.95	8.70	2.31	8.34	1.96	7.85	1.66
-7	9.73	3.18	9.43	2.48	9.02	2.10	8.46	1.76
2	12.31	4.02	11.84	3.06	11.15	2.64	10.47	2.10
7	14.00	4.64	13.32	3.64	12.64	2.98	11.68	2.41
12	15.75	5.45	15.00	4.19	14.13	3.35	13.08	2.70

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]	9.85	6.00	3.85	3.94
CR	1.00	1.00	1.00	0.43
COP' (partial load performance)	3.08	5.04	7.40	10.94

T_{design}=-10.00°C
SCOP [Average]=5.21

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

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