Kita MP 18

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	7.30	1.86	7.08	1.54	6.91	1.30	/	/
-20	8.63	2.20	8.40	1.82	8.18	1.54	7.96	1.29
-15	10.05	2.55	9.79	2.11	9.53	1.79	9.24	1.50
-10	11.57	2.91	11.26	2.42	10.94	2.04	10.56	1.71
-7	12.54	3.16	12.19	2.61	11.83	2.20	11.38	1.83
2	15.93	3.99	15.40	3.22	14.81	2.73	14.10	2.23
7	18.05	4.61	17.38	3.72	16.68	3.10	15.79	2.54
12	20.37	5.35	19.55	4.26	18.72	3.53	17.67	2.88

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]	12.57	7.67	4.94	4.85
CR	1.00	1.00	1.00	0.45
COP' (partial load performance)	3.21	4.85	7.06	11.02

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]		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	3.38	100%	18.0	5.41
75%	8.5	4.72	75%	18.0	7.66
50%	10.0	7.62	50%	18.0	8.79
25%	11.5	8.73	25%	18.0	10.95

SEER [cooling floor]=6.16
SEER [fan coil]=5.14

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