Kita LP 26

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	13.81	1.99	13.64	1.63	13.56	1.37	13.48	1.16
-20	15.90	2.28	15.61	1.86	15.51	1.56	15.32	1.32
-15	18.11	2.58	17.73	2.1	17.49	1.76	17.25	1.49
-10	20.49	2.89	20.02	2.36	19.69	1.98	19.34	1.68
-7	22.00	3.09	21.53	2.53	21.09	2.12	20.67	1.80
2	24.79	3.99	24.14	3.26	23.48	2.73	22.76	2.30
7	26.23	4.64	25.38	3.77	24.60	3.14	23.75	2.64
12	29.63	5.28	28.68	4.26	27.74	3.55	26.70	2.97

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]	22.14	13.48	8.66	8.23
CR	1.00	1.00	1.00	0.47
COP' (partial load performance)	3.16	5.00	7.37	9.80

T_{design}=-10.00°C
SCOP [Average]=5.19

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]		20.21	Nominal capacity A35/W18 [kW]		28.21
Part load ratio	Water outlet T [°C]	EER	Part load ratio	Water outlet [°C]	EER
100%	7.0	3.18	100%	18.0	4.26
75%	8.5	4.66	75%	18.0	6.11
50%	10.0	7.79	50%	18.0	10.28
25%	11.5	9.21	25%	18.0	12.12

SEER [cooling floor]=7.45
SEER [fan coil]=5.59

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