Kita LP PLUS 35

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	17.01	2.04	15.18	1.68	15.07	1.40	14.86	1.17
-20	19.56	2.26	17.41	1.93	17.19	1.60	16.97	1.34
-15	22.38	2.52	19.80	2.18	19.48	1.81	19.14	1.52
-10	25.52	2.83	22.37	2.45	21.94	2.03	21.46	1.70
-7	27.68	3.04	24.02	2.62	23.51	2.17	22.94	1.82
2	35.35	3.84	30.09	3.24	29.19	2.67	25.21	2.24
7	40.00	4.45	33.99	3.64	32.89	3.01	31.68	2.51
12	38.25	5.50	38.56	4.11	37.44	3.39	35.57	2.81

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]	24.66	15.03	9.67	8.37
CR	1.00	1.00	1.00	0.51
COP' (partial load performance)	3.36	5.13	7.50	9.40

T_{design}=-10.00°C
SCOP [Average]=5.33

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]		27.69	Nominal capacity A35/W18 [kW]		31.00
Part load ratio	Water outlet T [°C]	EER	Part load ratio	Water outlet [°C]	EER
100%	7.0	2.95	100%	18.0	4.65
75%	8.5	4.53	75%	18.0	6.65
50%	10.0	6.96	50%	18.0	10.79
25%	11.5	9.52	25%	18.0	13.62

SEER [cooling floor]=8.05
SEER [fan coil]=5.53

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