

Kita LP PLUS 28

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	12.29	2.13	12.05	1.74	11.87	1.44	11.58	1.20
-20	14.22	2.46	13.93	2.01	13.69	1.67	13.47	1.41
-15	16.33	2.82	15.98	2.31	15.66	1.92	15.33	1.61
-10	18.58	3.20	18.16	2.61	17.76	2.17	17.33	1.82
-7	20.02	3.45	19.55	2.80	19.10	2.33	18.60	1.96
2	25.32	4.34	24.56	3.49	23.83	2.90	22.99	2.41
7	28.72	4.89	27.79	3.93	26.89	3.25	25.87	2.71
12	32.49	5.58	31.26	4.47	30.33	3.68	29.12	3.06

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]	20.07	12.22	7.85	8.37
CR	1.00	1.00	1.00	0.47
COP' (partial load performance)	3.52	5.44	8.11	9.40

$T_{\text{design}} = -10.00^{\circ}\text{C}$
 $\text{SCOP [Average]} = 5.62$

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]		22.60	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	3.39	100%	18.0	4.65
75%	8.5	4.95	75%	18.0	6.65
50%	10.0	7.81	50%	18.0	10.79
25%	11.5	8.36	25%	18.0	13.62

$\text{SEER [cooling floor]} = 8.05$
 $\text{SEER [fan coil]} = 5.71$