

Kita LP PLUS 32

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	13.91	2.11	13.69	1.71	13.55	1.42	13.3	1.19
-20	16.03	2.43	15.76	1.97	15.53	1.64	15.31	1.38
-15	18.33	2.76	17.99	2.24	17.67	1.86	17.33	1.56
-10	20.81	3.13	20.38	2.53	19.96	2.1	19.51	1.76
-7	22.44	3.36	21.91	2.71	21.43	2.25	20.89	1.89
2	28.32	4.2	27.49	3.37	26.66	2.78	25.75	2.32
7	32.00	4.7	31.06	3.77	29.97	3.11	29.96	2.61
12	36.29	5.38	35.09	4.28	33.89	3.69	32.56	2.94

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]	22.49	13.67	8.81	8.37
CR	1.00	1.00	1.00	0.47
COP' (partial load performance)	3.44	5.34	7.80	9.40

$T_{\text{design}} = -10.00^{\circ}\text{C}$
 $\text{SCOP [Average]} = 5.51$

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]		25.00	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	3.19	100%	18.0	4.65
75%	8.5	4.74	75%	18.0	6.65
50%	10.0	7.34	50%	18.0	10.79
25%	11.5	8.76	25%	18.0	13.62

$\text{SEER [cooling floor]} = 8.05$
 $\text{SEER [fan coil]} = 5.59$