

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/TS 11300-4 law

Heat Pump air/water KITA Li Plus						
Full load performance						
T (C°) water temp.	35		45		55	
T (C°) out temp.	Heat output [kW]	COP	Heat output [kW]	COP	Heat output [kW]	COP
-20	33,80	2,2	33,50	2,01	33,20	1,65
-15	36,20	2,37	36,15	2,25	36,00	1,82
-10	37,40	2,8	37,30	2,40	37,30	1,88
-7	38,50	2,90	38,40	2,42	38,30	1,93
2	45,70	3,60	43,80	2,84	41,30	2,10
7	46,50	4,05	44,30	3,25	42,30	2,52
12	47,20	4,19	47,30	3,5	47,60	2,65

Heat Pump air/water KITA Li Plus				
Correction Factor calculation	A	B	C	D
Out temp. [°C]	-7	2	7	12
PLR	88%	54%	35%	15%
Heat output [kW]	38,5	45,7	46,5	47,2
CR	1	0,48	0,3	0,13
COP (full load performance)	2,9	3,6	4,05	4,19
COP (partial load performance)	2,9	4,23	5,12	5,38
fcop	1	1,18	1,26	1,28

$T_{design} = -10^{\circ}C$

$T_{H2O, out} = 35^{\circ}C$

SCOP [Average_low temp] 4,53