

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 S						
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
-15	4,85	2,71	-	-	-	-
-10	5,76	2,77	5,60	2,18	5,40	1,78
-7	6,30	2,80	6,10	2,20	5,90	1,80
2	9,20	3,56	8,20	2,81	7,78	2,12
7	10,0	4,25	9,10	3,42	8,70	2,45
12	10,0	4,95	10,20	3,60	9,60	2,64

Heat Pump air/water KITA S				
Correction Factor calculation	A	B	C	D
Out temp. [°C]	-7	2	7	12
PLR	88%	54%	35%	15%
Heat output [kW]	6,3	9,2	10	10
CR	1,00	0,42	0,25	0,11
COP (full load performance)	2,8	3,56	4,25	4,95
COP (partial load performance)	2,8	4	4,84	5,82
fcop	1,00	1,12	1,14	1,18

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

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

SCOP [Average_low temp] 4,72