

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 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
-15	6,00	2,50	-	-	-	-
-10	7,80	2,51	7,20	1,89	6,50	1,60
-7	9,00	2,52	8,20	1,90	7,40	1,60
2	11,40	3,24	10,80	2,40	9,60	1,90
7	12,00	4,00	11,80	3,13	10,80	2,21
12	11,80	4,35	11,80	3,37	11,00	2,40

Heat Pump air/water KITA S Plus				
Correction Factor calculation	A	B	C	D
Out temp. [°C]	-7	2	7	12
PLR	88%	54%	35%	15%
Heat output [kW]	9	11,4	12	11,8
CR	1,00	0,48	0,30	0,13
COP (full load performance)	2,52	3,24	4	4,35
COP (partial load performance)	2,52	3,8	4,7	5,3
fcop	1,00	1,17	1,18	1,22

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

$T_{H20, out} = 35^{\circ}C$

SCOP [Average\_low temp] 4,67