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 L66						
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	18,5	2,15	18,4	1,88	18,3	1,55
-15	23,1	2,39	22,1	2,06	21,1	1,68
-10	26,4	2,73	25,4	2,28	24,5	1,82
-7	28,4	2,93	27,4	2,33	26,5	1,90
2	32,8	3,52	32,2	2,90	31,6	2,66
7	35,0	4,10	34,3	3,16	34,0	2,71
12	35,5	4,25	35,2	3,43	35,0	2,80

Heat Pump air/water KITA L66				
Correction Factor calculation	**A**	**B**	**C**	**D**
Out temp. [°C]	-7	2	7	12
PLR	88%	54%	35%	15%
Heat output [kW]	28,4	32,8	35	35,5
CR	1,00	0,53	0,32	0,14
COP (full load performance)	2,93	3,52	4,1	4,25
COP (partial load performance)	2,93	4,31	5,21	5,48
fcop	1,00	1,22	1,27	1,29

T_{design} = -10°C
$T_{H20, out}$ = 35°C
SCOP [Average_low temp] 4,44

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