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 Si						
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	5,06	2,61	5,00	2,17	4,91	1,86
-15	5,84	2,80	5,67	2,37	5,58	2,06
-10	6,60	3,00	6,40	2,62	6,34	2,25
-7	7,05	3,11	6,90	2,68	6,80	2,37
2	8,83	4,18	8,45	3,13	8,01	2,45
7	10,00	4,49	9,37	3,61	8,96	2,78
12	11,12	5,20	10,51	3,81	9,89	2,99

Heat Pump air/water KITA Si				
Correction Factor calculation	**A**	**B**	**C**	**D**
Out temp. [°C]	-7	2	7	12
PLR	88%	54%	35%	15%
Heat output [kW]	7,05	8,83	10,00	11,12
CR	1,00	0,49	0,28	0,11
COP (full load performance)	3,30	4,18	4,49	5,20
COP (partial load performance)	3,30	4,46	4,87	6,14
fcop	1,00	1,07	1,08	1,18

T_{design} = -10°C
$T_{H20,\ out}$ = 35°C
SCOP [Average_low temp] 4,79

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