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 Mi						
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	8,10	2,70	8,00	2,20	7,80	1,80
-15	9,07	2,81	8,75	2,34	8,46	2,00
-10	10,32	2,90	10,21	2,55	10,10	2,07
-7	11,00	3,12	10,70	2,75	10,10	2,30
2	13,70	4,19	12,80	3,36	12,40	2,67
7	16,60	4,38	14,20	3,78	13,50	3,00
12	16,80	5,23	15,30	4,25	14,90	3,27

Heat Pump air/water KITA Mi				
Correction Factor calculation	**A**	**B**	**C**	**D**
Out temp. [°C]	-7	2	7	12
PLR	88%	54%	35%	15%
Heat output [kW]	11	13,7	16,6	16,8
CR	1,00	0,49	0,26	0,11
COP (full load performance)	3,31	4,19	4,38	5,23
COP (partial load performance)	3,31	5,3	5,9	6,25
fcop	1,00	1,26	1,35	1,20

T_{design} = -10°C

$T_{H20,\ out}$ = 35°C

SCOP [Average_low temp] 4,90

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