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 HR 14						
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	2,60	7,75	2,23	7,40	1,84
-15	9,10	2,80	8,56	2,35	8,02	2,02
-10	10,10	2,96	9,55	2,70	9,00	2,21
-7	10,70	3,10	10,14	2,77	9,58	2,33
2	13,09	3,82	12,43	3,40	11,76	2,71
7	14,30	4,44	13,54	3,84	12,80	3,07
12	14,55	5,30	14,25	4,31	14,03	3,30

Heat Pump air/water KITA HR 14				
Correction Factor calculation	**A**	**B**	**C**	**D**
Out temp. [°C]	-7	2	7	12
PLR	88%	54%	35%	15%
Heat output [kW]	10,7	13,09	14,30	14,55
CR	1,00	0,50	0,30	0,13
COP (full load performance)	3,1	3,82	4,44	5,3
COP (partial load performance)	3,1	4,54	5,47	5,94
fcop	1,00	1,19	1,23	1,12

T_{design} = -10°C
$T_{H20,\ out}$ = 35°C
SCOP [Average_low temp] 4,84

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