

EMRQ-A

Cooling capacity table (100% Connection ratio)

Nominal	EW	LW	Ta [°C]		Ta [°C]		Ta [°C]		Ta [°C]		Ta [°C]	
			20		25		30		35		40	
	[°C]	[°C]	CC	PI	CC	PI	CC	PI	CC	PI	CC	PI
EMRQ8*	12	7	20,0	3,72	20,0	4,25	20,0	4,88	20,0	5,72	20,0	7,50
	15	10	20,0	3,24	20,0	3,75	20,0	4,38	20,0	5,10	20,0	6,07
	18	13	20,0	2,78	20,0	3,26	20,0	3,84	20,0	4,53	20,0	5,40
	21	16	20,0	2,44	20,0	2,86	20,0	3,34	20,0	3,96	20,0	4,75
	23	18	20,0	2,23	20,0	2,64	20,0	3,11	20,0	3,68	20,0	4,37
EMRQ10*	12	7	25,0	5,11	25,0	5,74	25,0	6,60	25,0	7,76	25,0	9,37
	15	10	25,0	4,78	25,0	5,30	25,0	6,04	25,0	7,06	25,0	8,42
	18	13	25,0	3,75	25,0	4,30	25,0	5,00	25,0	6,47	25,0	7,65
	21	16	25,0	3,27	25,0	3,83	25,0	4,50	25,0	5,29	25,0	7,04
	23	18	25,0	2,93	25,0	3,48	25,0	4,13	25,0	4,91	25,0	5,81
EMRQ12*	12	7	30,0	6,31	30,0	7,20	30,0	8,40	30,0	10,1	30,0	12,3
	15	10	30,0	5,82	30,0	6,58	30,0	7,59	30,0	8,97	30,0	10,8
	18	13	30,0	5,44	30,0	6,09	30,0	6,95	30,0	8,12	30,0	9,66
	21	16	30,0	5,13	30,0	5,67	30,0	6,43	30,0	7,45	30,0	8,78
	23	18	30,0	4,06	30,0	4,66	30,0	6,15	30,0	7,08	30,0	8,28
EMRQ14*	12	7	35,0	7,08	35,0	8,28	35,0	9,76	35,0	11,6	35,0	14,2
	15	10	35,0	6,14	35,0	7,22	35,0	8,54	35,0	10,3	35,0	12,5
	18	13	35,0	5,42	35,0	6,40	35,0	7,51	35,0	8,94	35,0	10,9
	21	16	35,0	4,79	35,0	5,67	35,0	6,74	35,0	7,96	35,0	9,50
	23	18	35,0	4,48	35,0	5,27	35,0	6,26	35,0	7,45	35,0	8,87
EMRQ16*	12	7	40,0	8,80	40,0	10,3	40,0	12,2	40,0	15,5	40,0	14,6
	15	10	40,0	7,77	40,0	9,09	40,0	10,7	40,0	12,9	40,0	14,3
	18	13	40,0	6,72	40,0	7,97	40,0	9,47	40,0	11,4	40,0	13,5
	21	16	40,0	5,90	40,0	6,95	40,0	8,31	40,0	10,0	40,0	12,3
	23	18	40,0	5,46	40,0	6,43	40,0	7,60	40,0	9,10	40,0	11,2

Symbols

- CC Cooling capacity [kW]
- PI Power input [kW]
- LW Leaving water temperature
- EW Entering water temperature

Conditions

- ΔT : (Entering water temperature - Leaving water temperature) = 5°C
- No pump power input is included
- Equivalent piping length = 7.5m