

Technical data

Mod. NBW		147	147 H	207	207 H	307	307 H	407	407 H
Cooling capacity	kW	39	39	60	60	79	79	90	90
Total input power	kW	9.7	9.7	15.0	15.0	19.8	19.8	22.8	22.8
Input current	A	19.3	19.3	29.9	29.9	36.7	36.7	43.1	43.1
E.E.R.	W/W	4.02	4.02	4.00	4.00	3.99	3.99	3.95	3.95
Evaporator water flow rate	l/h	6710	6710	10320	10320	13590	13590	15480	15480
Evaporator water pressure drop	kPa	23	23	34	34	48	48	20	20
Condenser water consumption	l/h	8290	8290	12770	12770	16820	16820	19210	19210
Condenser water pressure drop	kPa	50	41	84	48	77	55	66	72
Heating capacity	kW	-	42	-	64.5	-	86	-	97
Total input power	kW	-	13.5	-	20.7	-	27.1	-	30.9
Input current	A	-	24.5	-	37.1	-	45.9	-	53.6
C.O.P.	W/W	-	3.11	-	3.12	-	3.17	-	3.14
Condenser water flow rate	l/h	-	7220	-	11090	-	14790	-	16680
Condenser water pressure drop	kPa	-	30	-	35	-	41	-	53
Evaporator water consumption (10 °C)	l/h	-	4900	-	7530	-	10130	-	11370
Evaporator water pressure drop	kPa	-	11	-	17	-	24	-	10
♪ Sound pressure	dB(A)	53	53	55.5	55.5	61.5	61.5	63,5	63,5
Compressor	n.	2	2	2	2	2	2	2	2
Evaporator	n.	1	1	1	1	1	1	1	1
	Ø Gas	2"/M	2"/M	2"/M	2"/M	2"/M	2"/M	2"/M	2"/M
Condenser	n.	2	2	2	2	2	2	2	2
	Ø Gas	1"/M	1"/M	1"/M	1"/M	1"/M	1"/M	1"/M	1"/M
Peak current	A	111	113	145	149	153	158	197	202

Mod. NBW		147 E	207 E	307 E	407 E
Cooling capacity	kW	36	55	73	83
Total input power	kW	10.3	16.0	20.9	24.2
Input current	A	20	30.9	38.1	44.7
E.E.R.	W/W	3.50	3.44	3.49	3.43
Evaporator water flow rate	l/h	6190	9460	12560	14280
Evaporator water pressure drop	kPa	20	31	43	18
♪ Sound pressure	dB(A)	53	55.5	61.5	63.5
Compressor	n.	2	2	2	2
Evaporator	n.	1	1	1	1
	Ø Gas	2"/M	2"/M	2"/M	2"/M
Gas line	Ø mm	16	18	22	22
Liquid line	Ø mm	12.7	12.7	12.7	16
Peak current	A	111	145	154	197

Power supply = 400V 3N~ 50Hz.

Performance values refer to the following conditions:

♪ Sound pressure measured in an 85 m³ semi-reverberant test chamber with reverberation time Tr = 0.5s.

■ Cooling:

- temperature of processed water 7 °C;
- condenser water inlet temperature 30 °C;
- Δt = 5 °C.

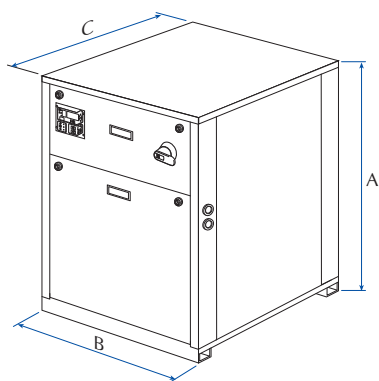
■ Heating:

- temperature of processed water 50 °C;
- evaporator water inlet temperature 10 °C; Δt = 5 °C.

■ Cooling (NBW E):

- condensation temperature 45 °C
- processed water temperature 7 °C; Δt = 5 °C.

Dimensions (mm)



Mod.		147	207	307	407
Height	A	1100	1100	1100	1200
Width	B	800	800	800	1050
Depth	C	700	700	700	750
Weight (kg)	NBW	226	313	337	417
	NBW E	217	303	319	388
	NBW-H	231	321	345	419

The technical data in this document are not binding. Aermec S.p.A. reserves the right to make whatever modifications it deems necessary to improve the product at any time.

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