

# HWA1-A 02106 ÷ 04349

Chiller racit cu aer pentru instalare exterioara  
Air-Cooled liquid chiller for outdoor installation



## HWA1-A

02106 02120 02128 02140 04155 04177 04184 04209 04239 04258 04305 04349

### Racire / Cooling

Capacitate de racire / Cooling capacity (1)	kW	105,3	119,2	127,9	139,3	155,0	176,5	183,2	208,4	238,1	257,1	304,8	348,9
Putere absorbita / Power input (1)	kW	33,6	32,3	44,0	44,3	49,9	56,8	62,9	67,1	76,8	88,6	98,3	112,1
E.E.R. (1)	W/W	3,14	3,11	2,91	3,15	3,11	3,11	2,91	3,11	3,10	2,90	3,10	3,11
Capacitate de racire / Cooling capacity (2)	kW	139,4	155,9	164,8	184,9	204,4	231,0	240,4	278,6	314,3	334,8	405,3	460,6
Putere absorbita / Power input (2)	kW	35,8	40,9	46,9	47,5	52,9	60,9	67,9	71,7	81,9	94,8	105,2	121,2
E.E.R. (2)	W/W	3,90	3,81	3,51	3,89	3,87	3,79	3,54	3,89	3,84	3,53	3,85	3,80
SEER (3)	W/W	4,05	4,03	3,80	4,27	4,11	4,00	3,97	4,07	4,24	3,83	4,16	4,03
Capacitate de racire / Cooling capacity (8)	kW	61,87	70,55	76,30	82,01	91,54	103,40	108,90	122,90	144,10	157,10	183,80	210,60
Putere absorbita / Power input (8)	kW	29,88	34,09	39,11	39,50	45,36	50,83	55,82	59,69	68,83	79,24	88,50	100,50
E.E.R. (8)	W/W	2,07	2,07	1,95	2,08	2,02	2,04	1,95	2,06	2,09	1,98	2,08	2,10
Debit de apa / Water flow (1)	L/s	5,11	5,82	6,19	6,45	7,19	8,25	8,92	10,10	11,40	12,47	14,69	16,31
Cadere de presiune / Pressure drop (1)	kPa	18,02	21,48	24,50	27,84	21,08	17,27	19,87	25,54	34,23	40,86	31,97	27,47

### Compresor / Compressor

Tip / Type		Scroll											
Compressoare / Compressors	n°	2	2	2	2	4	4	4	4	4	4	4	4
Circuite frigorifice / Refrigerant circuits	n°	1	1	1	1	2	2	2	2	2	2	2	2
Refrigerant circuit 1 / Refrigerant charge-Circuit 1 (4)	kg	12	12	12	17	11	11	11	11	12	12	18	19
Refrigerant circuit 2 / Refrigerant charge-Circuit 2 (4)	kg	-	-	-	-	9	9	9	11	12	12	19	19

### Ventilatoare / Fan

Debit de aer nominal / Nominal air flow	l/s	10665	10794	11158	15287	15161	15899	15941	20744	21950	22316	30773	32922
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### Circuit hidraulic / Hydraulic circuit

Presiune max. kit hidraulic / Max pressure hydronic kit	bar	6	6	6	6	6	6	6	6	6	6	6	6
Racorduri / Water connections	inch	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"	3"	3"	3"	3"	3"	3"	3"
Vol. min. de apa / Min. water volume (5)	L	787	887	986	1038	1116	1299	1390	1573	1773	1972	2276	2579

### Nivel de zgomot / Sound level

Putere sonora / Sound power (6)	dB(A)	8(SL) 85/ (SSL)83	86/(SL) 85/ (SSL)83	87/(SL) 86/ (SSL)84	87/(SL) 86/ (SSL)84	87/(SL) 86/ (SSL)84	88/(SL) 87/ (SSL)85	88/(SL) 87/ (SSL)85	88/(SL) 87/ (SSL)85	88/(SL) 87/ (SSL)85	88/(SL) 87/ (SSL)85	88/(SL) 87/ (SSL)85	90/(SL) 89/ (SSL)87
Presiune sonora / Sound pressure (7)	dB(A)	54/(SL) 53/ (SSL) 51	54/(SL) 53/ (SSL) 51	55/(SL) 54/ (SSL) 52	54,9/(SL) 53,9/(SSL) 51,9	54,9/(SL) 53,9/(SSL) 51,9	55,9/(SL) 54,9/(SSL) 52,9	55,9/(SL) 54,9/(SSL) 52,9	55,9/(SL) 54,9/(SSL) 52,9	55,9/(SL) 54,9/(SSL) 52,9	55,9/(SL) 54,9/(SSL) 52,9	55,8/(SL) 54,8/(SSL) 52,8	57,8/(SL) 56,8/(SSL) 54,8

### Date electrice / Electrical data

Alimentare / Power supply		400V/3P/50Hz											
Putere max. absorbita / Max. power input	kW	48,9	55,0	61,1	66,9	82,4	87,4	90,9	97,8	110,0	122,3	146,0	165,8
Intensitate max / Max. current input	A	83,0	93,4	103,8	113,5	139,9	148,3	154,3	166,0	186,8	207,6	247,8	281,4

### Greutate / Weight

Greutate bruta / Gross weight	kg	Contactati MAXA / Contact our offices											
Greutate in functiune / Operation weight	kg	Contactati MAXA / Contact our offices											

Date tehnice conforme cu urmatoarele conditii:

- (1) Temperatura apa retur/tur = 12/7°C, temperatura aer exterior 35°C.
  - (2) Temperatura apa retur/tur = 23/18°C, temperatura aer exterior 35°C.
  - (3) Temperatura de referinta apa retur/tur = 12/7°C.
  - (4) Date preliminare ce pot suferi modificari ulterioare. Pentru informatii corecte verificati eticheta produsului.
  - (5) Valoarea minima a volumului de apa calculata in instalatie nu ia in considerare volumul de apa continut in schimbatorul intern (evaporator). In cazul aplicatiilor cu temperatura scazuta a aerului exterior sau a sarcinilor medii scazute, volumul minim de apa pentru sistem se obtine prin dublarea valorilor indicate.
  - (6) Conditii (3); valoare determinata pe baza masuratorilor efectuate in conformitate cu UNI EN ISO 9614-2, in conformitate cu cerintele standard ale certificarii Eurovent.
  - (7) Valoare calculata cu nivel de putere acustica folosind ISO 3744: 2010, care se refera la o distanta de 10 m fata de unitate.
  - (8) Racine versiune BT: temperatura aer exterior 35°C, temperatura apa = -3/-8°C. Fluid tratat cu etilen glicol 35%.
- N.B. Datele de performanta afisate sunt orientative si pot fi supuse modificarilor. Randalamentele declarate la punctele (1), (2), (8) trebuie inlese ca referindu-se la puterea instantanee conform EN 14511. Datele declarate la punctul (3) sunt determinate in conformitate cu UNI EN 14825.

Date referred to the following condition:

- (1) Cooling: outdoor air temperature 35°C; water temperature inlet/outlet 12/7°C.
  - (2) Cooling: outdoor air temperature 35°C; water temperature inlet/outlet 23/18°C.
  - (3) Internal exchanger water reference temperature = 12/7 °C.
  - (4) Indicative data and subject to change. For the correct data, always refer to the technical label on the unit.
  - (5) The calculated value of minimum volume of water at the plant does not consider the volume of water contained in the internal exchanger (evaporator). With low external air temperature applications or low average loads required, the minimum volume of water to the system is by doubling the indicated value.
  - (6) Condition (3); value determined on the basis of measurements carried out in accordance with the UNI EN ISO 9614-2 standard, with the requirements of the Eurovent certification.
  - (7) Value calculated from the sound power level using ISO 3744: 2010, referred to 10 m distance from the unit.
  - (8) Cooling version BT: outdoor air temperature 35 °C, internal exchanger water temperature = -3 / -8 °C. Fluid treated with 35% ethylene glycol.
- N.B. The performance data are indicative and could be subject to change. In addition, the performances declared in apex (1), (2), and (8) refer to instantaneous power according to EN 14511. The declared data stated in the apex (6) is determined according to the UNI EN 14825.