

HYDRONIC



CHILLERS AND INVERTER AIR/WATER  
HEAT PUMPS WITH AXIAL FANS



## TECHNICAL BULLETIN

MEX VS 15 RH / MEX VS 16 RH

MEX VS 18 RH / MEX VS 19 RH

MEX VS 112 RH / MEX VS 112T RH

MEX VS 115 RH / MEX VS 115T RH

Cod. MUI141247820-05

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TECHNICAL CHARACTERISTICS		Unit	Model MEX VS			
			112 RH	112T RH	115 RH	115T RH
Electric data	Power supply		230V/1/50Hz	400V/3P+N+T/50Hz	230V/1/50Hz	400V/3P+N+T/50Hz
	Maximum power input	kW	7,7	7,7	8,1	8,1
	Corrente massima assorbita	A	32,8	10,9	33	11,5
Cooling	Cooling capacity (min./nom./max.) (1)	kW	6,7 / 13,8 / 15,2*		8,70 / 15,69 / 16,30*	
	Power input (1)	kW	2,93		3,20	
	E.E.R. (1)	W/W	4,70		4,90	
	Cooling capacity (min./nom./max.) (2)	kW	5,3 / 11,46 / 12,05*		6,30 / 14,64 / 16,00*	
	Power input (2)	kW	3,70		4,52	
	E.E.R. (2)	W/W	3,10		3,24	
Heating	SEER (5)	W/W	4,51		4,77	
	Heating capacity (min./nom./max.) (3)	kW	5,5 / 13,76 / 15,1*		7,10 / 15,21 / 15,90*	
	Power input (3)	kW	3,2		3,45	
	C.O.P. (3)	W/W	4,3		4,41	
	Heating capacity (min./nom./max.) (4)	kW	5,3 / 13,55 / 14,9*		6,50 / 15,17 / 15,80*	
	Power input (4)	kW	4,04		4,38	
	C.O.P. (4)	W/W	3,35		3,46	
Compressor	SCOP (6)	W/W	4,01		4,07	
	Energy efficiency water at 35°C/55°C	Class	A++ / A+		A++ / A++	
	Type		Twin Rotary DC Inverter		Twin Rotary DC Inverter	
Fan motor	Number		1		1	
	Refrigerant oil (type, quantity)	mL	ESTER OIL VG74, 1400		ESTER OIL VG74, 1400	
Refrigerant	Type		Brushless DC motor		Brushless DC motor	
	Number		2		2	
Circulator	Type		R410A		R410A	
	Refrigerant quantity (11)	kg	4,74		5,0	
	Quantity of CO <sub>2</sub> equivalent (11)	ton	9,90		10,4	
	Design pressure (high/low)	MPa	4,2 / 2,7		4,2 / 2,7	
Hydraulic circuit	Water flow rate (3)	m <sup>3</sup> /h	2,37		2,62	
	Available head pressure (3)	kPa	63,4		52,9	
	Rated power input (3)	kW	0,14		0,14	
	Max power input	kW	0,14		0,14	
	Max. current input	A	1,10		1,10	
	Energy Efficiency Index (EEI) circolatore		≤ 0,23		≤ 0,23	
Noise level	Expansion vessel	L	2		2	
	Hydraulic connections	inch	1" M		1" M	
	Minimum volume of water (7)	L	69		88	
Dimensions and weight	Sound power (8)	dB(A)	65,5		66,0	
	Sound pressure at 1m (9)	dB(A)	57,5		58	
	Sound pressure at 10m (9)	dB(A)	37,5		38	
Dimensions and weight	Dimensions (LxDxW)	mm	1060 x 1405 x 455		1060 x 1405 x 455	
	Max. Packing dimensions (LxDxW) (10)	mm	1125 x 1675 x 690		1125 x 1675 x 690	
	Operating weight	kg	119		130	
	Net/Gross weight	kg	115,5 / 126		126,3 / 137	

**Prestazioni riferite alle seguenti condizioni:**

(1) Cooling: Outdoor air temperature 35°C; inlet/outlet water temperature 23/18°C.

(2) Cooling: Outdoor air temperature 35°C; inlet/outlet water temperature 12/7°C.

(3) Heating: Outdoor air temperature 7°C DB 6°C WB; inlet/outlet water temperature 30/35°C.

(4) Heating: Outdoor air temperature 7°C DB 6°C WB; inlet/outlet temperature 40/45°C.

(5) Cooling: Water temperature inlet/outlet 7/12°C.

(6) Heating: in average climate condition; T<sub>int</sub>=-7°C; water temperature inlet/outlet 30/35°C.

(7) Calculated for a decrease of the water temperature of the plant with 10°C with a defrosting cycle of 6 minutes.

(8) Sound power heating mode condition (3); the value is determined respecting the measurements taken in accordance with the regulations UNI EN ISO 9614-2, in compliant with the Eurovent certification.

(9) Sound pressure level obtained with internal measurements made in accordance with ISO 3744, in case of the sound source located in free field positioned over a reflecting plane.

(10) Packaging height including pallet: in particular, the pallet height, for the models 112 RH/112T RH/115 RH/115T RH is 170mm.

(11) The data are only indicative and subject to change. For the correct data, refer to the technical label on the unit.

(\*) activating the Max Hz function.

The Power inputs include all circuit components such as fan motors, pumps, valves and controller, the test data is obtained according to EN 14511: 2013.

**N.B. The performance data are indicative and could be subject to change. In addition, the performances declared in (1), (2), (3) and (4) are to be understood referring to the instantaneous power according to UNI EN 14511. The declared data in (6) is determined according to UNI EN 14825.**

	<b>WARNING: The minimum temperature allowed for storing the unit is 5°C.</b>
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