

FOCS-ME 1001÷9604



Condenserless units coupling with remote condensers 219 - 2240 kW

Unit Description

Indoor unit for the production of chilled water combined with a remote condenser, with semi-hermetic screw compressors optimized for R134a, shell and tube evaporator designed by Climaveneta and thermostatic expansion valve.

Base and supporting structure and panels are of galvanized epoxy powder coated steel with increased thickness.

Flexible and reliable unit; it easily adapts itself to different thermal load conditions thanks to the precise thermoregulation. The high performance's level is achieved thanks to the accurate sizing of all internal components.

Commands

W3000 large

The controller W3000 large offers the latest control and functions developed directly by Climaveneta on the basis of their experience gained over the years with the particular units and services engineering solutions. The keypad is generously sized with full operating status display. The controls and detailed LCD make access to machine settings easy and safe. Temperature regulation features the continuous modulation of the capacity based on the leaving water temperature; as alternatives, step-wise proportional- or proportional-integral logics are available. The diagnostics includes full management of alarms with black-box functions and alarm record for better analysis of unit performance. Supervision is easy through Climaveneta devices or with various options for interfacing to ModBus, Bacnet, Echelon LonTalk protocols. Compatibility with remote keyboard (management up to 10 units). Clock available with programming of operation (standard 4 days and 10 time bands).



Versions

B Standard unit

Configurations

FOCS-ME
Standard unit for the production of chilled water

Features

COMPACTNESS

Compactness in terms of overall size and weight, helping installation and working on site

ADAPTABILITY

Adaptability at the building's cooling request thanks to the continuous capacity regulation, assured by sophisticated control's logic

EXTENSIVE RANGE OF OPERATION

Extensive range of operation with remote condenser operating up to 46°C air temperature

SILENT OPERATION

Silent operation thanks to the accurate unit's design. Optional integral acoustic enclosure, further reduces the sound level beyond the best on market

Main accessories

- Integral acoustical enclosure (type base or plus)
- Electronic expansion valve
- Soft start
- Set-up for remote connectivity with ModBus, Echelon LonTalk, Trend, Bacnet protocol board.
- Remote keyboard (distance to 200m and to 500m)



FOCS-ME version B

Models		1001	1201	1301	1351	1601	1801	2002	2402	2602	2702	3202	3602	4202	4502
COOLING															
Cooling capacity(1)	kW	219	262	295	333	389	445	419	516	591	674	759	885	1000	1061
Compressors power input(1)	kW	59,7	69,7	77,5	85,4	101	118	114	139	155	171	202	236	265	277
Remote condenser capacity(1)	kW	279	332	373	418	490	563	533	655	746	845	916	1121	1265	1338
COMPRESSORS															
No. Compressors/No. Circuits	N.	1/1	1/1	1/1	1/1	1/1	1/1	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2
NOISE LEVELS															
Sound power(2)	dB(A)	94	97	97	97	97	97	97	99	99	99	99	99	99	99
Sound pressure(3)	dB(A)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SIZE															
A	mm	2835	3120	3120	3120	3530	3530	3730	3730	4500	4500	4500	4500	4500	4500
B	mm	900	900	900	900	900	900	1150	1150	1150	1150	1150	1150	1150	1150
H	mm	1800	1800	1800	1800	1950	1950	2000	2000	2000	2000	2000	2000	2000	2000
Operating weight	kg	1380	1870	1910	1920	2640	2650	2750	3420	3710	3730	4600	5050	5220	5250
Modelli		4802	5003	5203	5403	5414	5904	6404	6804	7204	7804	8404	9004	9604	
COOLING															
Cooling capacity(1)	kW	1120	1184	1251	1304	1348	1434	1548	1660	1769	1886	2001	2121	2240	
Compressors power input(1)	kW	290	320	337	353	342	373	406	439	472	501	530	555	580	
Remote condenser capacity(1)	kW	1410	1504	1588	1657	1690	1807	1954	2099	2241	2387	2531	2676	2820	
COMPRESSORS															
No. Compressors/No. Circuits	N.	2/2	3/3	3/3	3/3	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
NOISE LEVELS															
Sound power(2)	dB(A)	99	101	101	101	102	102	102	102	102	102	102	102	102	102
Sound pressure(3)	dB(A)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SIZE															
A	mm	4500	4425	4425	4425	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
B	mm	1150	1700	1700	1700	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250
H	mm	2000	1900	1900	1900	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Operating weight	kg	5280	6810	6840	6850	7560	8400	9980	10010	10020	10190	10350	10420	10480	

Note:

1 Evaporator water (in/out): 12/7°C; Condensation temperature: 47°C.

2 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units; in compliance with ISO 3744 for non-certified units.

3 Sound pressure in open field conditions on reflecting surface (directivity factor Q=2), average value on longest side, at 1 m from the outer surface and at 1 m height in relation to the unit supporting base.

* Please contact our sales department

Minimum clearance required

		1001 - 9604
Switchboard side	mm	1000
Cooler water connections side (minimum)	mm	620
Compressor outlet connection side	mm	500
Compressor outlet connection opposite side	mm	500

