

INDUSTRIAL AND COMMERCIAL REFRIGERATION SYSTEMS

WMC/WME

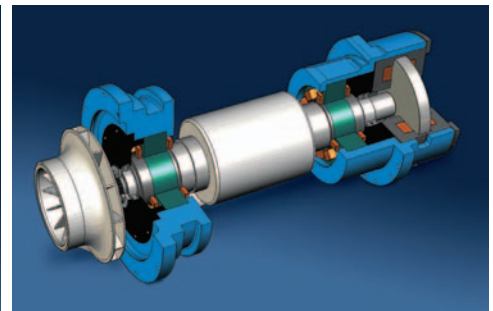
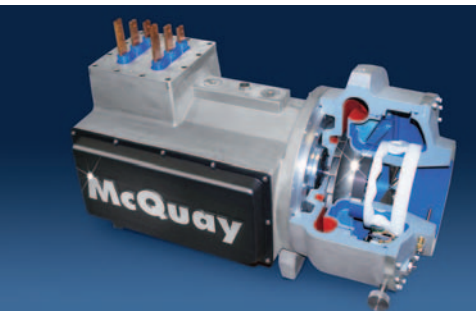
Cooling power 114 to 2,000 kW

Magnetic bearing centrifugal-compressor

R 134a

McQuay
International

aircool is an authorized
McQuay distributor.



DEVELOPED WITH SCIENTIFIC INSPIRATION.

aircool

THE REFRIGERATION EXPERTS.

UNMATCHED EFFICIENCY.

EER 6.5 · ESEER 10.3

Technical data (WMC/WME chillers with magnetic bearings, centrifugal compressors)

Chiller	Type	WMC 100S	WMC 125S	WMC 150S	WMC 200D	WMC 250D	WMC 300D	WME 500S
Cooling Capacity (min-max) ⁽¹⁾	kW	114 - 317	128 - 429	172 - 521	114 - 635	128 - 856	172 - 1,048	1,400 - 2,000
Full Load EER ⁽²⁾	–	5.4	5.4	6	5.4	5.5	5.9	6.5
Part Load ESEER ⁽³⁾	–	8.6	8.6	9.4	8.8	8.6	9.6	10.3
Sound Pressure Level ⁽⁴⁾	dB(A)	81	81	81	83	83	83	79
Compressor	Type	TC	TC	TC	TC	TC	TC	MCM
Quantity	No	1	1	1	2	2	2	1
Capacity Control	Stepless				Variable Speed Centrifugal Compressor			
Refrigerant	Type	R134a	R134a	R134a	R134a	R134a	R134a	R134a
Refrigerant Circuits	No	1	1	1	1	1	1	1
Evaporator	Type				Shell & Tube-Flooded			
Pressure Drop ⁽⁵⁾	kPa	30	31	23	18	21	11	38
Water Connection Size	mm	150	150	200	200	200	250	250
Condenser	Type				Shell & Tube-Flooded			
Pressure Drop ⁽⁵⁾	kPa	24	25	28	24	25	29	34
Water Connection Size	mm	150	150	150	200	200	200	300
Power Supply	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Unit Dimensions								
Length	mm	3,254	3,254	3,254	3,419	3,289	3,289	4,250
Width	mm	1,276	1,276	1,276	1,790	1,853	1,904	1,950
Height	mm	1,823	1,823	1,823	1,755	1,748	1,794	2,400
Shipping Weight	kg	2,360	2,416	2,546	3,709	4,095	4,765	7,635
Operating Weight	kg	2,520	2,634	2,812	4,074	4,548	5,330	9,285

Notes

- (1) The specified cooling capacity figures refer to nominal conditions, cold water 12/7°C and condenser water 30/35°C at rated speed.
The power ratings at low speed require lower cooling water temperatures.
- (2) Full-load figures EER for optimized design of the chiller.
- (3) Partial load figures at ESEER for optimized design of the chiller.
- (4) Noise level of the chiller at nominal conditions in 1 m distance acc. ISO 3744.
- (5) Pressure losses of the heat exchanger vary depending on the design conditions.

Selection Software

A selection of the desired centrifugal-chiller requires a design using the McQuay selection software. Since there is a multitude of possible combinations. Please request a quote.



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