



# Air cooled screw inverter chiller, high efficiency, reduced sound

EWAD-TZXRB



Inverter



Screw compressor

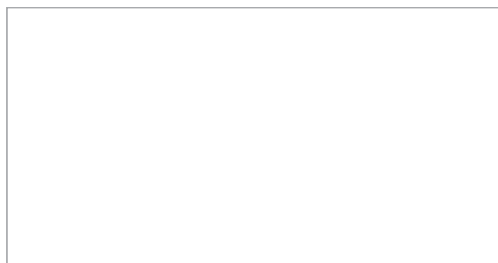
- › High energy efficiency both at full and part load conditions
- › Inverter stepless single-screw compressor with DC electrical motor
- › Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- › Continuous fans speed modulation thanks to inverter driven fans to improve part load efficiency
- › Compact design for small footprint and minimized installation space

# EWAD-TZXR



Cooling only				EWAD-TZXR																							
				190	220	240	290	320	360	420	450	540	570	610	660	680	770	850	910	C10	C11						
Cooling capacity	Nom.			kW																							
Power input	Cooling	Nom.			kW																						
Capacity control	Method			Stepless																							
	Minimum capacity			%																							
EER				3.4	3.34	3.3	3.13	3.29	3.16	3.24	3.22	3.09	3.11	3.15	3.07	3.373	3.186	3.311	3.302	3.26							
ESEER				5.11	5.06	4.99	5.09	5.13	5.12	5.09	4.99	5.04	5.05	5.13	5.07	5.09	5.13	5.15	5.22								
IPLV				6.26	6.15	6.19	6.17	6.37	6.30	6.20	6.26	6.27	6.24	6.18	6.26	6.08	6.19	6.29	6.24								
Dimensions	Unit	Height	mm	2,483													2,482										
		Width	mm	2,258																							
		Depth	mm	3,183			4,083			4,983			5,883			6,783		7,683		7,783		8,820		9,591		10,461	
Weight	Unit				kg																						
	Operation weight				kg																						
Water heat exchanger	Type			Plate heat exchanger																							
	Water flow rate			Single pass shell & tube																							
	Water pressure drop			Shell and tube																							
	Water volume			l																							
Air heat exchanger	Type			Microchannel																							
Compressor	Type			Inverter driven single screw compressor																							
	Quantity			1								2															
Fan	Type			Direct propeller																							
	Quantity			6			8			10			12			14			16			18		20		22	
	Air flow rate	Nom.		l/s																							
Sound power level	Cooling			Nom.																							
	Speed			rpm																							
Sound pressure level	Cooling			Nom.																							
	Operation range			°CDB																							
Refrigerant	Type			R-134a																							
	Circuits	Quantity			1								2														
Refrigerant charge	GWP			1,430																							
	Per circuit			kg																							
Piping connections	Evaporator water inlet/outlet (OD)			88.9mm				114.3mm				139.7mm				168.3mm					6"		8"				
	Unit	Starting current			Max																						
Running current			Cooling																								
Power supply	Phase/Frequency/Voltage			Hz/V																							
				3~/50/400																							

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