

Air cooled screw inverter chiller, standard efficiency, low sound

EWAD-TZSLB



Inverter



Screw compressor

- › Optimized energy efficiency both at full and part load conditions
- › Inverter stepless single-screw compressor
- › Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)

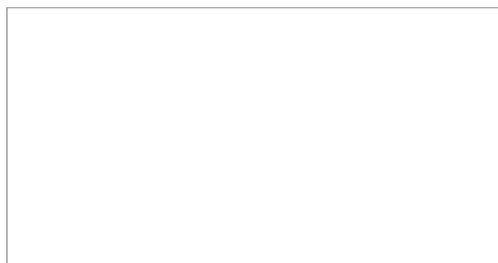
- › Compact design for small footprint and minimized installation space
- › Low operating sound levels are achieved by the latest compressor and fan design

EWAD-TZSLB



Cooling only				EWAD-TZSLB																																			
Cooling capacity		Nom.		160	190	240	270	300	360	380	450	495	570	610	660	700	820	900	990	C10	C11																		
Power input	Cooling	Nom.		kW																																			
Capacity control	Method			Stepless																																			
	Minimum capacity			%																																			
EER				37	31	34	29	25	24	16	17	16	14	13	12		10																						
ESEER				2.99	2.87	2.83	2.99	2.82	2.95	2.83	2.78	2.86	2.88	2.81	2.76	2.81	3.164	3.005	3.072	3.017	3.015																		
IPLV				4.37	4.46	4.30	4.40	4.42	4.50	4.46	4.44	4.49	4.54	4.59	4.63	4.70	4.43	4.44		4.51																			
Dimensions	Unit	Height	mm	2,483													2,482																						
		Width	mm	2,258																																			
		Depth	mm	2,283			3,183			4,083			4,983			5,883			6,783			7,783		8,820		9,591													
Weight	Unit			kg																																			
	Operation weight			kg																																			
Water heat exchanger	Type			Plate heat exchanger								Single pass shell & tube																											
	Water flow rate	Cooling	Nom.	l/s																																			
	Water pressure drop	Cooling	Nom.	kPa																																			
	Water volume			l																																			
Air heat exchanger	Type			Microchannel																																			
Compressor	Type			Inverter driven single screw compressor																																			
	Quantity			1								2																											
Fan	Type			Direct propeller																																			
	Quantity			4				6				8				10				12				14				16				18				20			
	Air flow rate	Cooling	Nom.	l/s																																			
	Speed			rpm																																			
Sound power level	Cooling	Nom.		dBA																																			
Sound pressure level	Cooling	Nom.		dBA																																			
Operation range	Air side	Cooling	Min.-Max.	°CDB																																			
	Water side	Cooling	Min.-Max.	°CDB																																			
Refrigerant	Type			R-134a																																			
	Circuits			1								2																											
	GWP			1,430																																			
Refrigerant charge	Per circuit			kg																																			
	TCO _{2eq}			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																																			
	Max			A																																			
Power supply	Phase/Frequency/Voltage			Hz/V																																			
				3~/50/400																																			

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