

Air cooled
screw inverter
chiller, standard
efficiency,
standard sound
EWAD-TZSSB



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)

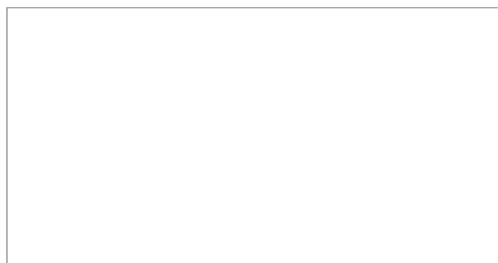
- › Compact design for small footprint and minimized installation space
- › Low operating sound levels are achieved by the latest compressor and fan design

EWAD-TZSSB



Cooling only				EWAD-TZSSB																																			
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																																	
				Width		mm																																	
				Depth		mm																																	
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																																			
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		Quantity																																			
		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		A																																	
		Running current		Cooling		Nom.		A																															
		Max		A																																			
Power supply		Phase/Frequency/Voltage		Hz/V																																			

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