



Air cooled screw
inverter chiller,
premium
efficiency

EWAD-TZPS/PR



R-134a



Inverter



Screw compressor

- › Premium energy efficiency both at full and part load conditions
- › 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 technology
- › One or two truly independent refrigerant circuits for outstanding reliability

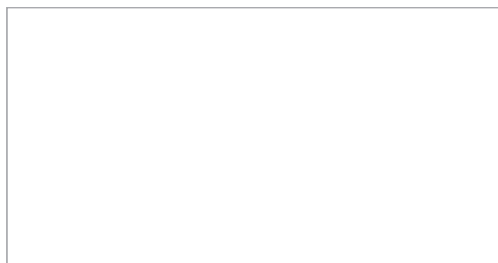
EWAD-TZPS/PR



Cooling only				EWAD-TZPS/PR																			
				190	225	250	270	295	320	345	380	415	460	505	560	600	645						
Cooling capacity	Nom.			kW	185	221	247	271	294	316	339	369	418	452	495	554	598	639					
Power input	Cooling	Nom.		kW	52.7	64.9	69.2	77.4	85.1	94.4	102	110	123	134	146	168	183	200					
Capacity control	Method			Stepless																			
	Minimum capacity			%	33.3	28.6	33.3	30.8	28.6	26.7	18.2	16.7	15.4	14.3	16.7	15.4	14.3	13.3					
EER					3.52	3.41	3.57	3.50	3.45	3.35	3.34	3.36	3.38	3.39	3.38	3.30	3.28	3.20					
ESEER					5.50	5.45	5.73	5.66	5.65	5.62	5.46	5.47	5.59	5.61	5.67	5.62	5.53						
IPLV					6.95	6.70	7.22	7.04	7.08	6.81	6.87	7.03	7.05	7.14	7.13	7.11	6.93						
Dimensions	Unit	Height		mm	2,222																		
		Width		mm	2,258																		
		Depth		mm	3,218	4,117				5,015				5,917				6,817					
Weight	Unit			kg	2,436	2,565	2,810	2,815	3,026	3,031	4,290	4,517	4,764	5,007	5,241	5,269	5,489	5,591					
	Operation weight			kg	2,536	2,591	2,962	2,967	3,076	3,080	4,460	4,687	5,034	5,277	5,511	5,524	5,744	5,838					
Water heat exchanger	Type			Plate heat exchanger																			
	Water volume			l	24	26	39		50		170		270		255								
	Water flow rate	Cooling	Nom.	l/s	8.9	10.6	11.8	13.0	14.0	15.1	16.2	17.7	20.0	21.6	23.7	26.5	28.7	30.6					
Water pressure drop			Cooling	Total	kPa	20	23	18	20	18	21	34	41	30	35	26	39	44	50				
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler																			
Compressor	Type			Inverter driven single screw compressor																			
	Quantity			1								2											
Fan	Type			Direct propeller																			
	Quantity			6				8				10				12				14			
	Air flow rate	Cooling	Nom.	l/s	20,172	19,284	26,896		25,712		33,621		32,140		40,345		38,568		47,069		44,996		
Speed			rpm	600																			
Sound power level	Cooling	Nom.		dB(A)	96				97				99				100						
Sound pressure level	Cooling	Nom.		dB(A)	77		76		77		79				78		79						
Operation range	Air side	Cooling	Min.-Max.	°CDB	-18~-51																		
	Water side	Cooling	Min.-Max.	°CDB	-8~-15																		
Refrigerant	Type / GWP			R-134a / 1,430																			
	Circuits			Quantity	1								2										
Refrigerant charge	Per circuit			kg	32.0	38.0	42.0	46.0	50.0	54.0	29.0	31.5	35.5	38.5	42.0	47.0	51.0	54.5					
				TCO ₂ eq	45.8	54.3	60.1	65.8	71.5	77.2	41.5	45.0	50.8	55.1	60.1	67.2	72.9	77.9					
Piping connections	Evaporator water inlet/outlet (OD)			88.9mm								139.7mm				168.3mm							
Unit	Starting current			A	3																		
	Running current	Cooling	Nom.	A	88	107	115	127	139	156	170	182	204	219	242	274	295	327					
			Max			A	117	137	152	165	179	195	211	232	252	273	302	328	356	388			
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																		

(1) Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air temp. 35°C; full load operation. | Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



ECPEN15-432_3 03/15



Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU), Fan coil units (FCU) and variable refrigerant flow systems (VRF) Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.