



Air cooled  
screw chiller,  
premium  
efficiency,  
reduced sound

EWAD-C-PR

**R-134a**



Screw compressor

- › Stepless single-screw compressor
- › Excellent part load efficiency
- › Large operation range (ambient temperature down to -18°C and up to 52°C)

- › 2 truly independent refrigerant circuits
- › DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- › Partial and total heat recovery option available

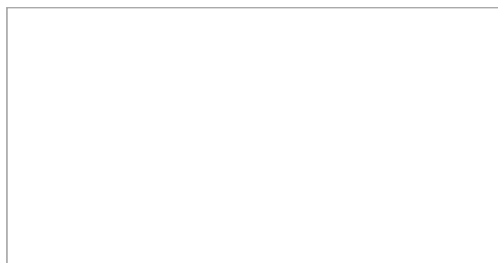
# EWAD-C-PR



Cooling only				EWAD-C-PR	810	880	960	C10	C11	C13	C14	C15	C16
Cooling capacity	Nom.		kW		806	871	954	1,049	1,127	1,246	1,353	1,432	1,513
Power input	Cooling	Nom.	kW		222	248	275	303	335	369	402	432	465
Capacity control	Method				Stepless								
	Minimum capacity		%		12.5								
EER					3.63	3.51	3.47	3.46	3.36	3.38	3.36	3.32	3.25
ESEER					4.39	4.33	4.40	4.35	4.25	4.33	4.26	4.23	4.15
IPLV					5.07	4.89		4.92	4.82	4.81	4.85		4.79
Dimensions	Unit	Height	mm		2,540								
		Width	mm		2,285								
		Depth	mm		8,985		9,885		11,185		12,085		
Weight	Unit		kg		7,820		7,950	8,580	8,840	10,380	10,720		
	Operation weight		kg		8,420		8,990	9,620	9,880	10,670		11,010	
Water heat exchanger	Type				Single pass shell & tube								
	Water flow rate	Cooling	Nom.	l/s	38.6	41.7	45.6	50.2	54.0	59.7	64.8	68.7	72.6
	Water pressure drop	Cooling	Nom.	kPa	56	65	30	59	67	58	67	77	84
	Water volume			l	599		1,043	1,027		995	979		
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler								
Compressor	Type				Asymmetric single screw compressor								
	Quantity				2								
Fan	Type				Direct propeller								
	Quantity				18		20		22	24			
	Air flow rate	Nom.	l/s		73,812		82,014		90,215	98,417			
	Speed		rpm		700								
Sound power level	Cooling	Nom.	dB(A)		93			94			95		
Sound pressure level	Cooling	Nom.	dB(A)		71		72		73				
Operation range	Air side	Cooling	Min.-Max.	°CDB	-18~52								
	Water side	Cooling	Min.-Max.	°CDB	-8~15								
Refrigerant	Type/GWP				R-134a/ 1,430								
	Circuits	Quantity			2								
Refrigerant charge	Per circuit		kg		102.0		115.0	120.0	137.5	140.0			
		TCO <sub>2</sub> Eq			145.9		164.5	171.6	196.6	200.2			
Piping connections	Evaporator water inlet/outlet (OD)				219.1mm				273mm				
Unit	Starting current	Max	A		618	653		917	964	1,020		1,063	1,076
	Running current	Cooling	Nom.	A	375	416	461	506	555	614	671	717	764
		Max	A		509	552	596	660	719	788	858	911	964
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50/400								

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.

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