



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 ₂ Eq				145.9		164.5	171.6	196.6	200.2			
Piping connections	Evaporator water inlet/outlet (OD)				219.1mm				273mm				
Unit	Starting current			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
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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