

Mbsm.pro, D2sc-55X-Ewl, 5.5HP, Copeland, Semi-Hermetic, Compressor

Category: compressor

written by Lilianne | 6 December 2024



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Copeland compressor can be used for low/medium and high temperature. These compressors are from Copeland China factory.

DWM Copeland™ Compressors are suitable

For a wide range of applications either in the form of single compressors, condensing units or as multi-compressor equipment

Cooling Capacity at Standard Condition 2.67kW R404A, Evaporating -35° C, Condensing 40° C, Suction Gas Return 20° C, Sub cooling 0K

Mechanical Data

Number of cylinders 2.0 Displacement @ 50 Hz, cu. M/h 18.2

Bore/Stroke, mm 60.4/36.5 Length/Width, mm 470/330

Height, mm 385.0 Net Weight, kg 87.0

Gross Weight, kg 93.0 Suction, inch 1 1/8

Discharge, inch 5/8 Oil Quantity, l 2.0

Frequency Range, Hz 25 – 60 Base mounting (hole dia), mm 295 x 279 (14.0)

Sound Pressure @ 1m, dBA 63.1 Sound Power, dBA 74.1

High Side PS, bar(g) 28.0 Low Side PS, bar(g) 22.5

Electrical Data

Maximum Operating Current, A 9.5 Locked Rotor Current, A 68.5

Default Enclosure Class IP 54 (IEC 34)

Accessories

Mounting Springs 4

Additional Cooling 1 or 2 ways water Coil

Crankcase Heater70W Internal
 Additional Cooling70W Vertical Air Flow Fan
 Additional Cooling25W Horizontal Air Flow Fan
 Adapter KitFor Parallel Operation
 InverterControl Techniques SKB 3400750

odel	nom Displace HP m3/hr		Evaporating temperature (Capctiy R404A/R507)										Electrical amp s/ph			
			-35	-30	-25	-20	-15	-10	-5	0	5	rla*	mcc*	l. r. a		
DKSJ-15X-EWL	1.5	6.3	937	1260	1635	2075	2595	3200	3905					3.2	3.5	20.4
DLE-20X-EWL	2	9.9	871	1430	20700	2810	3665	4655	5805	7130	8655	4.6	5.7	37.6		
DLJ-30X-EWL	3	14.5	1770	2540	3425	4460	5665	7070	8705	10590	12760	6.7	8.0	53		
DLL-40X-EWL	4	18.1	2273	3330	4558	5996	7670	9615	11870	14460	17460	7.9	9.5	68.5		
DLSG-40X-EWL	4	22.5	2980	4175	5625	7300						7.4	8.9	53.4		
D2SC-65X-EWL	6.5	26.9		5100	6750	8700	10900	13500	16400	19800	23700	12.7	16.2	85.3		
D3SA-75X-AWM	7.5	32.2		5600	7650	10500	12850	16100	19800	24100	28900	14.2	17.9	82		
D3SC-100X-AWM	10	38		7150	9500	12250	15500	19300	23800	29000	35000	16.8	21.6	106		
D3SS-150X-AWM	15	49.9		10350	13550	17200	21400	26300	32000	38500	46000	23.2	30.2	125		
D4SA-200X-AWM	20	56		10650	14250	18400	23200	28800	35000	42500	51000	24.2	30.5	160		
D4SH-250X-AWM	25	70.8		13300	17600	22600	28300	3500	42500	51500	62000	31.1	40.1	192		
D4SJ-300X-AWM	30	84.7		15800*	21200	27400	34500	43000	52500	64000	76500	36.2	47.7	218		
D6SH-350X-AWM	35	106		19600*	26000	33500	42000	52000	63500	76500	92000	49.6	62.4	284		
D6SJ-400X-AWM	40	127		23100*	30500	39000	49000	60500	74000	89000	1E+05	55.2	71.8	347		
D6SK-500X-AWM	50	151.8		27200*	36500	47000	59500	73500	90500	109500	1E+05	71	94.7	415		
D8SJ600XB-1	60	181		33000	44000	56500	71500	88500	1E+05	13500	15800	84	107	544		
DKL20X-EWL	2	7.4	940	1330	1790	2330	2950	3700	4500			2.6	3.83	20.4		
DKSL20X-EWL	2	9.1	1390	1860	2410	3060	3820	4700	5700			3.2	4.7	20.4		
DLL30X-EWL	3	18.2	2268	3293	4503	5918						5.5	7.3	53		
D2SA-45X-EWL	4.5	22.4	3160*	4300	56500	7250	9100	11250	13700			7.4	11.4	68.5		
D3SA-75X-AWM	7.5	32.2		5600	7650	10050	12850	16100	19800	24100	28900	10.5	17.9	82		
D3SC-75X-AWM	7.5	38	5013*	6800	9000	11700	14850	18600	22900			12.4	18.7	82		
D3SS-100X-AWM	10	49.9		9950	12900	16300	20300	24900	30500			16.3	26	109		
D4SF-100X-AWM	10	56		11250	14600	18500	23200	28700	35000			16.9	27.1	105		
D4SL-150X-AWM	15	70.8		14700	18900	23900	29700	36500	44000			21.7	35.6	156		
D4ST-200X-AWM	20	84.7		17200	22400	28500	35500	44000	53500			24.2	42.4	175		
D6SL-250X-AWM	25	106		21400	27700	35000	43500	53000	64000			31.4	56.5	199		
D6ST-320X-AWM	32	127		25000	32000	40500	50500	62000	75000			39.2	62.9	255		
D6SU-400X-AWM	40	151.8		29600	38500	49000	61500	75500	92000			47.3	78	304		
D8SJ-450X-BWM	45	181		35500	46500	59000	74000	91000	1E+05			53.3	90.8	458		

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