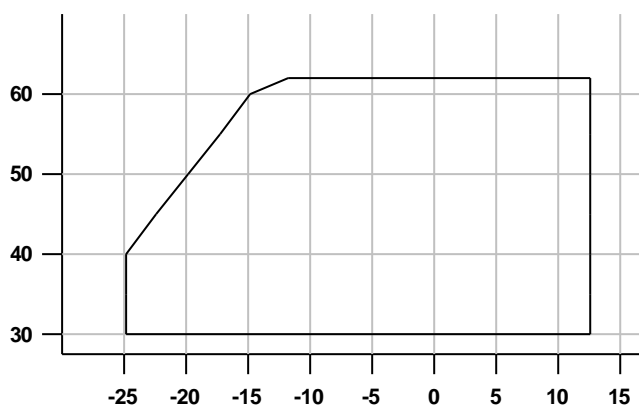


50Hz

4DR-3000 4DR3R28MEFSD20

R22



Minimum evaporating temp. with:  
 ——— 25°C Suction Gas Return

Suction Return Temperature 20.0°C      **Evaporating Temperature °C**      Liquid subcooling 0.0K

Cond °C	Capacity kW									
	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	27.80	34.70	42.70	52.00	62.90	75.40	89.70	96.10	106.00	115.50
35	26.10	32.70	40.30	49.20	59.60	71.40	85.10	91.10	101.00	109.50
40	24.50	30.70	38.00	46.40	56.20	67.50	80.40	86.10	95.30	103.50
45		28.70	35.60	43.60	52.80	63.50	75.70	81.10	89.70	97.40
50		26.70	33.10	40.70	49.40	59.40	70.90	75.90	84.00	91.30
55			30.70	37.80	45.90	55.30	66.00	70.70	78.30	85.10
60			28.30	34.90	42.50	51.20	61.10	65.50	72.50	78.80
62				33.70	41.10	49.50	59.20	63.40	70.20	76.30
	Power Input kW									
	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	11.20	12.30	13.35	14.25	15.00	15.60	15.90	15.95	15.95	15.85
35	11.90	13.15	14.30	15.40	16.35	17.15	17.70	17.90	18.05	18.05
40	12.55	13.90	15.25	16.50	17.65	18.65	19.45	19.70	20.00	20.20
45		14.65	16.15	17.55	18.85	20.10	21.10	21.40	21.90	22.20
50		15.35	16.95	18.50	20.00	21.40	22.60	23.10	23.70	24.10
55			17.75	19.45	21.10	22.60	24.10	24.60	25.40	25.90
60			18.45	20.30	22.10	23.80	25.40	26.10	26.90	27.60
62				20.60	22.50	24.30	26.00	26.60	27.50	28.20
	Current 400V, A									
	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	23.76	25.45	27.04	28.46	29.64	30.53	31.04	31.12	31.09	30.92
35	24.80	26.72	28.56	30.26	31.77	33.00	33.91	34.16	34.39	34.46
40	25.80	27.93	30.01	31.99	33.79	35.37	36.65	37.07	37.56	37.86
45		29.08	31.39	33.62	35.72	37.62	39.27	39.84	40.58	41.09
50		30.16	32.69	35.17	37.54	39.75	41.74	42.46	43.44	44.16
55			33.92	36.62	39.25	41.75	44.06	44.92	46.13	47.04
60			35.07	37.98	40.85	43.62	46.24	47.23	48.64	49.74
62				38.50	41.46	44.33	47.06	48.10	49.59	50.77
	Mass Flow g/s									
	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	147.50	185.00	229.00	280.00	340.00	411.00	493.00	530.00	590.00	644.00
35	143.50	180.00	224.00	274.00	334.00	404.00	485.00	521.00	580.00	634.00
40	139.50	176.00	218.00	268.00	327.00	396.00	476.00	512.00	570.00	623.00
45		171.00	213.00	262.00	320.00	387.00	466.00	502.00	559.00	611.00
50		165.00	207.00	255.00	312.00	378.00	456.00	491.00	547.00	598.00
55			200.00	248.00	304.00	369.00	445.00	479.00	534.00	584.00
60			194.00	240.00	295.00	359.00	433.00	466.00	520.00	570.00
62				237.00	291.00	354.00	428.00	461.00	515.00	563.00

**DWM Copeland - Compressor - Refrigeration - Discus**

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	4
Displacement @ 50 Hz, cu.m/h	84.7
Bore/Stroke, mm	74.6/55.6
Length/Width, mm	690/535
Height, mm	495
Net Weight, kg	214
Gross Weight, kg	230
Suction, inch	2 1/8
Discharge, inch	1 3/8
Oil Quantity, l	3.3
Frequency Range, Hz	25 - 60
Base mounting (hole dia), mm	381 x 305 (18.0)
Sound Pressure @ 1m, dBA	72
Sound Power, dBA	83
High Side PS, bar(g)	28
Low Side PS, bar(g)	22.5

**COMPRESSOR ELECTRICAL DATA (380/420V - 3~ - 50Hz)**

Maximum Operating Current, A	52.5
Locked Rotor Current, A	221
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

**ACCESSORIES OPTIONAL**

Additional Cooling	70W Vertical Air Flow Fan
Capacity Control	Capacity Steps 50%
Crankcase Heater	100W Internal
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Deep Oil Sump	Mounted
Adapter Kit	For Parallel Operation
Check Valve (NRV)	For unloaded start operation

**MOTOR OPTIONS**

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
380-420 V/3~/50H	400	AWM	YY/Y	Y	1.00
220-240 V/3~/50H	230	EWL	Y/DELTA	DELTA	1.73
380-420 V/3~/50H	400	EWL		Y	1.00
380-420 V/3~/50H	400	EWM	Y/DELTA	DELTA	1.00
220-240 V/3~/50H	230	AWR	YY/Y	Y	1.73
500-550 V/3~/50H	525	AWY	YY/Y	Y	0.76
220-240 V/3~/60H	230	EWK	Y/DELTA	DELTA	2.09
380-420 V/3~/60H	380	EWK		Y	1.26
440-480 V/3~/60H	460	EWD	Y/DELTA	DELTA	1.00
208-230 V/3~/60H	230	AWC	YY/Y	Y	2.19
380 V/3~/60Hz	380	AWX	YY/Y	Y	1.26
440-480 V/3~/60H	460	AWD	YY/Y	Y	1.00