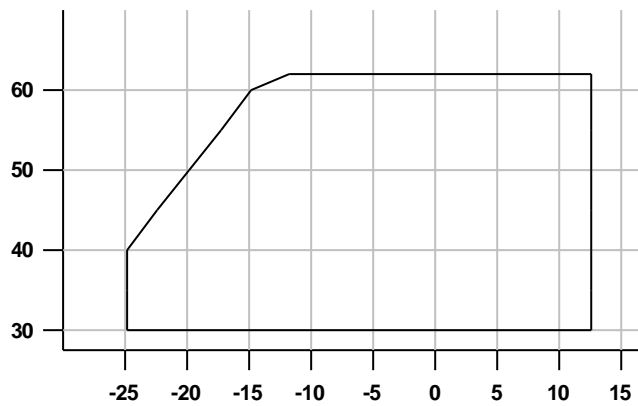


50Hz

D6DJ-4000

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	40.50	51.10	63.60	78.10	94.90	114.50	136.50	146.50	162.00	176.50
35	37.70	47.90	59.80	73.60	89.60	108.00	129.50	138.50	153.50	167.00
40	34.90	44.60	55.90	69.00	84.30	102.00	122.00	131.00	145.00	158.00
45		41.20	52.00	64.40	78.80	95.40	114.50	123.00	136.50	148.50
50		37.90	48.00	59.80	73.40	89.00	107.00	115.00	127.50	139.00
55			44.10	55.10	67.90	82.50	99.30	106.50	118.50	129.00
60			40.20	50.50	62.30	76.00	91.60	98.50	109.50	119.50
62				48.60	60.10	73.40	88.60	95.20	106.00	115.50
	Power Input kW									
	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	16.85	18.55	20.20	21.60	22.70	23.50	23.90	23.90	23.80	23.60
35	17.80	19.75	21.60	23.30	24.70	25.90	26.70	26.90	27.10	27.10
40	18.65	20.80	22.90	24.90	26.70	28.20	29.30	29.70	30.10	30.40
45		21.80	24.20	26.40	28.50	30.30	31.80	32.40	33.00	33.50
50		22.80	25.30	27.80	30.10	32.30	34.20	34.90	35.80	36.40
55			26.40	29.10	31.70	34.10	36.40	37.20	38.30	39.20
60			27.30	30.30	33.10	35.90	38.40	39.30	40.70	41.70
62				30.70	33.70	36.50	39.20	40.20	41.60	42.70
	Current 400V, A									
	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	37.71	40.05	42.28	44.28	45.95	47.16	47.78	47.83	47.68	47.32
35	38.97	41.69	44.34	46.83	49.03	50.82	52.08	52.40	52.66	52.66
40	40.15	43.24	46.32	49.28	52.01	54.39	56.29	56.89	57.58	57.95
45		44.70	48.20	51.62	54.88	57.84	60.38	61.25	62.37	63.11
50		46.05	49.95	53.83	57.60	61.13	64.30	65.44	66.99	68.11
55			51.58	55.90	60.15	64.24	68.03	69.44	71.41	72.89
60			53.07	57.81	62.54	67.15	71.55	73.21	75.59	77.44
62				58.53	63.44	68.26	72.89	74.65	77.19	79.18
	Mass Flow g/s									
	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	215.00	272.00	340.00	420.00	514.00	623.00	751.00	808.00	900.00	985.00
35	207.00	264.00	331.00	410.00	503.00	611.00	737.00	793.00	885.00	968.00
40	199.00	255.00	321.00	399.00	491.00	597.00	722.00	777.00	868.00	950.00
45		246.00	311.00	388.00	478.00	583.00	706.00	760.00	849.00	930.00
50		235.00	300.00	375.00	464.00	567.00	688.00	742.00	830.00	909.00
55			288.00	362.00	449.00	551.00	669.00	722.00	808.00	887.00
60			275.00	348.00	433.00	533.00	649.00	701.00	786.00	863.00
62				342.00	427.00	525.00	641.00	693.00	776.00	852.00

50Hz

D6DJ-4000

R22

DWM Copeland - Compressor - Refrigeration - Discus**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	6
Displacement @ 50 Hz, cu.m/h	127
Bore/Stroke, mm	74.6/55.6
Length/Width, mm	760/580
Height, mm	545
Net Weight, kg	261
Gross Weight, kg	277
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Oil Quantity, l	6.8
Frequency Range, Hz	25 - 60
Base mounting (hole dia), mm	381 x 305 (18.0)
Sound Pressure @ 1m, dBA	77.6
Sound Power, dBA	88.6
High Side PS, bar(g)	28
Low Side PS, bar(g)	22.5

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

Maximum Operating Current, A	81
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
Deep Oil Sump	Mounted

ACCESSORIES OPTIONAL

Additional Cooling	70W Vertical Air Flow Fan
Capacity Control	Capacity Steps 66/33%
Crankcase Heater	200W Internal
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
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

Model: D6DJ-4000

Refrigerant: R22

S.I.

Suction Return Temperature 20.0°C

Liquid subcooling 0.0K

50Hz

	Evaporating Temperature °C									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
	Capacity kW									
30.0	40.50	51.10	63.60	78.10	94.90	114.50	136.50	146.50	162.00	176.50
35.0	37.70	47.90	59.80	73.60	89.60	108.00	129.50	138.50	153.50	167.00
40.0	34.90	44.60	55.90	69.00	84.30	102.00	122.00	131.00	145.00	158.00
45.0		41.20	52.00	64.40	78.80	95.40	114.50	123.00	136.50	148.50
50.0		37.90	48.00	59.80	73.40	89.00	107.00	115.00	127.50	139.00
55.0			44.10	55.10	67.90	82.50	99.30	106.50	118.50	129.00
60.0			40.20	50.50	62.30	76.00	91.60	98.50	109.50	119.50
62.0				48.60	60.10	73.40	88.60	95.20	106.00	115.50

	Power Input kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	16.85	18.55	20.20	21.60	22.70	23.50	23.90	23.90	23.80	23.60
35.0	17.80	19.75	21.60	23.30	24.70	25.90	26.70	26.90	27.10	27.10
40.0	18.65	20.80	22.90	24.90	26.70	28.20	29.30	29.70	30.10	30.40
45.0		21.80	24.20	26.40	28.50	30.30	31.80	32.40	33.00	33.50
50.0		22.80	25.30	27.80	30.10	32.30	34.20	34.90	35.80	36.40
55.0			26.40	29.10	31.70	34.10	36.40	37.20	38.30	39.20
60.0			27.30	30.30	33.10	35.90	38.40	39.30	40.70	41.70
62.0				30.70	33.70	36.50	39.20	40.20	41.60	42.70

	COP									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	2.40	2.75	3.15	3.62	4.18	4.86	5.71	6.11	6.80	7.47
35.0	2.12	2.42	2.77	3.16	3.62	4.17	4.84	5.15	5.68	6.18
40.0	1.87	2.14	2.44	2.77	3.16	3.61	4.16	4.40	4.81	5.20
45.0		1.89	2.15	2.44	2.77	3.15	3.60	3.80	4.13	4.43
50.0		1.67	1.90	2.15	2.43	2.76	3.13	3.29	3.56	3.81
55.0			1.67	1.89	2.14	2.42	2.73	2.87	3.09	3.30
60.0			1.47	1.67	1.88	2.12	2.39	2.50	2.69	2.86
62.0				1.58	1.79	2.01	2.26	2.37	2.55	2.70

	Mass Flow g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	215.00	272.00	340.00	420.00	514.00	623.00	751.00	808.00	900.00	985.00
35.0	207.00	264.00	331.00	410.00	503.00	611.00	737.00	793.00	885.00	968.00
40.0	199.00	255.00	321.00	399.00	491.00	597.00	722.00	777.00	868.00	950.00
45.0		246.00	311.00	388.00	478.00	583.00	706.00	760.00	849.00	930.00
50.0		235.00	300.00	375.00	464.00	567.00	688.00	742.00	830.00	909.00
55.0			288.00	362.00	449.00	551.00	669.00	722.00	808.00	887.00
60.0			275.00	348.00	433.00	533.00	649.00	701.00	786.00	863.00
62.0				342.00	427.00	525.00	641.00	693.00	776.00	852.00

Model: D6DJ-4000

Refrigerant: R22

	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
	Heat Rejection kW									
30.0	56.50	68.80	82.80	98.60	116.50	136.50	159.50	169.00	185.00	199.00
35.0	54.60	66.60	80.30	95.70	113.00	132.50	154.50	164.00	179.50	193.00
40.0	52.60	64.40	77.70	92.70	109.50	128.50	150.00	159.00	173.50	186.50
45.0		62.00	74.90	89.50	106.00	124.00	144.50	153.50	167.50	180.00
50.0		59.50	72.10	86.20	102.00	119.50	139.50	148.00	161.50	173.50
55.0			69.10	82.80	98.00	115.00	134.00	142.00	155.00	166.50
60.0			66.10	79.20	93.80	110.00	128.00	136.00	148.00	159.00
62.0				77.80	92.10	108.00	126.00	133.50	145.50	156.00

Copeland Selection Software

REFRIGERANT R22

Operating Conditions:

Evaporating Temperature: -10.0°C
 Condensing Temperature: 45.0°C
 Liquid subcooling: 0.0K
 Suction Return Temperature: 20.0°C

Required Capacity: 20.0 kW
 Compressor Selected: D6DJ-4000

PERFORMANCE AT SPECIFIED OPERATING POINT D6DJ-4000 Data at 50 Hz

Capacity kW	64.40
Power Input kW	26.40
COP	2.44
Mass Flow g/s	388.00
Heat Rejection kW	89.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders 6	Bore/Stroke, mm 74.6/55.6
Length/Width, mm 760/580	Height, mm 545
Net Weight, kg 261	Gross Weight, kg 277
Suction, inch 2 1/8	Oil Quantity, l 6.8
Frequency Range, Hz 25 - 60	Sound Power, dBA 88.6
High Side PS, bar(g) 28	Low Side PS, bar(g) 22.5
Displacement @ 50 Hz, cu.m/h 127	
Rotalock Discharge, inch 1 3/8	
Base mounting (hole dia), mm 381 x 305 (18.0)	
Sound Pressure @ 1m, dBA 77.6	

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

Locked Rotor Current, A 304
 Maximum Operating Current, A 81
 Default Enclosure Class IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
Deep Oil Sump	Mounted

ACCESSORIES OPTIONAL

Additional Cooling
Capacity Control
Crankcase Heater
Enclosure Class
Oil Pressure Switch
Unloaded start
Adapter Kit
Check Valve (NRV)

70W Vertical Air Flow Fan
Capacity Steps 66/33%
200W Internal
IP 56
OPS2 Electronic Switch
Available
For Parallel Operation
For unloaded start operation