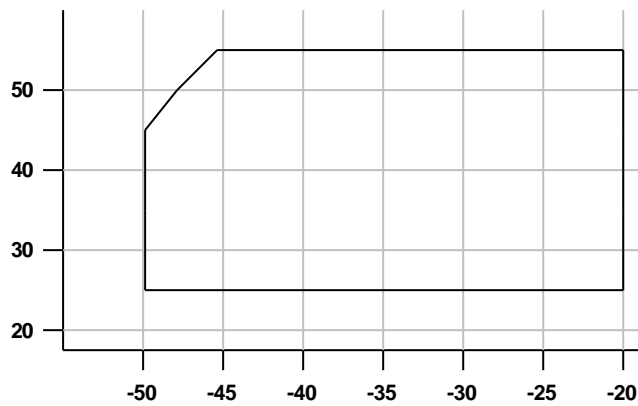


50Hz

D6TJ-2500

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						
	-50	-45	-40	-35	-30	-25	-20
25	8.88	11.95	15.65	20.20	25.50	31.90	39.40
30	8.37	11.30	14.90	19.25	24.40	30.50	37.80
35	7.88	10.70	14.15	18.30	23.30	29.20	36.10
40	7.39	10.10	13.40	17.40	22.20	27.80	34.40
45	6.93	9.52	12.70	16.50	21.00	26.40	32.80
50		8.96	11.95	15.60	19.90	25.00	31.10
55		8.43	11.30	14.70	18.85	23.70	29.40
	Power Input kW						
	-50	-45	-40	-35	-30	-25	-20
25	7.93	9.19	10.55	11.95	13.40	14.95	16.45
30	8.19	9.54	11.00	12.50	14.15	15.80	17.50
35	8.44	9.88	11.45	13.10	14.85	16.70	18.55
40	8.69	10.20	11.90	13.65	15.55	17.55	19.60
45	8.95	10.55	12.30	14.20	16.25	18.40	20.60
50		10.90	12.80	14.80	16.95	19.25	21.70
55		11.30	13.25	15.35	17.65	20.10	22.70
	Current 400V, A						
	-50	-45	-40	-35	-30	-25	-20
25	17.43	18.85	20.47	22.26	24.21	26.27	28.42
30	17.71	19.26	21.03	23.01	25.17	27.49	29.93
35	17.99	19.67	21.60	23.76	26.14	28.72	31.45
40	18.27	20.08	22.17	24.52	27.12	29.95	32.97
45	18.57	20.51	22.75	25.28	28.10	31.18	34.50
50		20.95	23.35	26.07	29.11	32.44	36.06
55		21.43	23.98	26.88	30.13	33.72	37.63
	Mass Flow g/s						
	-50	-45	-40	-35	-30	-25	-20
25	45.10	60.80	80.00	103.00	131.00	164.00	203.00
30	44.00	59.50	78.50	101.50	129.00	162.00	201.00
35	42.80	58.30	77.00	100.00	127.50	160.00	199.00
40	41.60	57.00	76.00	98.50	126.00	158.00	197.00
45	40.60	55.80	74.50	97.00	124.50	157.00	195.00
50		54.80	73.30	95.50	122.50	155.00	193.00
55		53.80	72.20	94.50	121.00	153.00	191.00

50Hz**D6TJ-2500****R22****DWM Copeland - Compressor - Refrigeration - 2-Stage****COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	6
Displacement @ 50 Hz, cu.m/h	84.7
Bore/Stroke, mm	74.6/55.6
Length/Width, mm	755/585
Height, mm	630
Net Weight, kg	242
Gross Weight, kg	272
Suction, inch	1 5/8
Discharge, inch	1 3/8
Oil Quantity, l	6.8
Base mounting (hole dia), mm	381 x 305 (18.0)
High Side PS, bar(g)	28
Low Side PS, bar(g)	22.5

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

Maximum Operating Current, A	40.2
Locked Rotor Current, A	203
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

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

ACCESSORIES OPTIONAL

Crankcase Heater	70W Internal
Crankcase Heater	100W Internal
Crankcase Heater	200W Internal
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Adapter Kit	For Parallel 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
500-550 V/3~/50H	525	EWY	Y/DELTA	DELTA	0.76
220-240 V/3~/50H	230	AWR	YY/Y	Y	1.73
500-550 V/3~/50H	525	AWY	YY/Y	Y	0.76
500-550 V/3~/50H	525	TWY		DELTA	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
440-480 V/3~/60H	460	AWD	YY/Y	Y	1.00

Model: D6TJ-2500

Refrigerant: R22

S.I.

Suction Return Temperature 20.0°C

Liquid subcooling 0.0K

50Hz

	Evaporating Temperature °C						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
	Capacity kW						
25.0	8.88	11.95	15.65	20.20	25.50	31.90	39.40
30.0	8.37	11.30	14.90	19.25	24.40	30.50	37.80
35.0	7.88	10.70	14.15	18.30	23.30	29.20	36.10
40.0	7.39	10.10	13.40	17.40	22.20	27.80	34.40
45.0	6.93	9.52	12.70	16.50	21.00	26.40	32.80
50.0		8.96	11.95	15.60	19.90	25.00	31.10
55.0		8.43	11.30	14.70	18.85	23.70	29.40

	Evaporating Temperature °C						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
	Power Input kW						
25.0	7.93	9.19	10.55	11.95	13.40	14.95	16.45
30.0	8.19	9.54	11.00	12.50	14.15	15.80	17.50
35.0	8.44	9.88	11.45	13.10	14.85	16.70	18.55
40.0	8.69	10.20	11.90	13.65	15.55	17.55	19.60
45.0	8.95	10.55	12.30	14.20	16.25	18.40	20.60
50.0		10.90	12.80	14.80	16.95	19.25	21.70
55.0		11.30	13.25	15.35	17.65	20.10	22.70

	Evaporating Temperature °C						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
	COP						
25.0	1.12	1.30	1.49	1.69	1.90	2.14	2.39
30.0	1.02	1.19	1.36	1.54	1.73	1.93	2.16
35.0	0.93	1.08	1.24	1.40	1.57	1.75	1.94
40.0	0.85	0.99	1.13	1.27	1.43	1.58	1.76
45.0	0.77	0.90	1.03	1.16	1.29	1.44	1.59
50.0		0.82	0.94	1.05	1.18	1.30	1.43
55.0		0.75	0.85	0.96	1.07	1.18	1.29

	Evaporating Temperature °C						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
	Mass Flow g/s						
25.0	45.10	60.80	80.00	103.00	131.00	164.00	203.00
30.0	44.00	59.50	78.50	101.50	129.00	162.00	201.00
35.0	42.80	58.30	77.00	100.00	127.50	160.00	199.00
40.0	41.60	57.00	76.00	98.50	126.00	158.00	197.00
45.0	40.60	55.80	74.50	97.00	124.50	157.00	195.00
50.0		54.80	73.30	95.50	122.50	155.00	193.00
55.0		53.80	72.20	94.50	121.00	153.00	191.00

	Evaporating Temperature °C						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
	Heat Rejection kW						
25.0	16.40	20.70	25.70	31.50	38.30	46.10	55.10
30.0	16.15	20.40	25.30	31.10	37.80	45.60	54.40
35.0	15.90	20.10	25.00	30.70	37.40	45.00	53.70
40.0	15.65	19.80	24.70	30.40	36.90	44.50	53.10
45.0	15.45	19.55	24.40	30.00	36.50	43.90	52.40
50.0		19.35	24.10	29.60	36.00	43.30	51.70
55.0		19.15	23.90	29.30	35.60	42.80	51.00

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: D6TJ-2500

PERFORMANCE AT SPECIFIED OPERATING POINT **D6TJ-2500 Data at 50 Hz**

Operating conditions outside Compressor limits

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders 6	Bore/Stroke, mm 74.6/55.6
Length/Width, mm 755/585	Height, mm 630
Net Weight, kg 242	Gross Weight, kg 272
Suction, inch 1 5/8	Discharge, inch 1 3/8
Oil Quantity, l 6.8	High Side PS, bar(g) 28
Low Side PS, bar(g) 22.5	
Displacement @ 50 Hz, cu.m/h 84.7	
Base mounting (hole dia), mm 381 x 305 (18.0)	

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

Locked Rotor Current, A 203
 Maximum Operating Current, A 40.2
 Default Enclosure Class IP 54 (IEC 34)

ACCESSORIES INCLUDED

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

ACCESSORIES OPTIONAL

Crankcase Heater

70W Internal

Crankcase Heater

100W Internal

Crankcase Heater

200W Internal

Enclosure Class

IP 56

Oil Pressure Switch

OPS2 Electronic Switch

Adapter Kit

For Parallel Operation