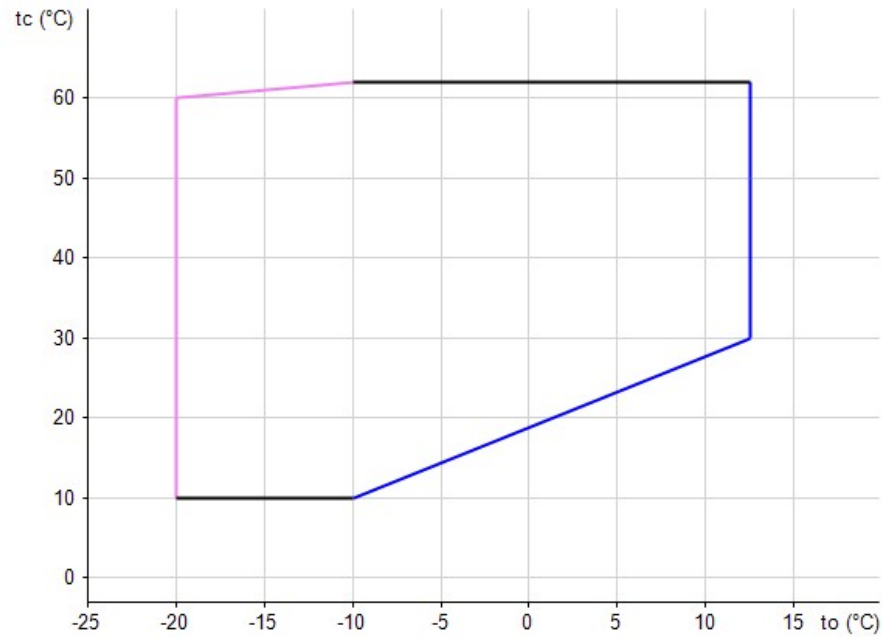




Minimum Evaporating Temp. With:

25 °C Suction Gas Return

Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	27.40	34.50	43.00						
15.0	26.00	32.90	41.10	50.90					
20.0	24.60	31.20	39.20	48.60	59.70				
25.0	23.20	29.60	37.20	46.30	56.90	69.30			
30.0	21.70	27.90	35.20	43.90	54.20	66.10	71.40	79.90	87.50
35.0	20.20	26.10	33.20	41.50	51.40	62.80	67.90	76.10	83.50
40.0	18.75	24.40	31.20	39.10	48.50	59.50	64.40	72.30	79.40
45.0	17.25	22.70	29.10	36.70	45.70	56.20	60.90	68.40	75.20
50.0	15.75	20.90	27.00	34.30	42.80	52.80	57.30	64.50	71.10
55.0	14.20	19.15	25.00	31.80	39.90	49.50	53.70	60.60	66.90
60.0	12.70	17.40	22.90	29.30	37.00	46.10	50.10	56.70	62.70
62.0			22.00	28.40	35.80	44.70	48.70	55.20	61.00

50 Hz

4DT-220

R134a

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	5.87	6.09	6.16						
15.0	6.41	6.78	7.00	7.04					
20.0	6.92	7.41	7.78	8.00	8.02				
25.0	7.38	8.00	8.52	8.91	9.12	9.12			
30.0	7.81	8.56	9.22	9.77	10.15	10.35	10.40	10.35	10.25
35.0	8.21	9.07	9.88	10.60	11.15	11.55	11.65	11.75	11.75
40.0	8.58	9.56	10.50	11.35	12.10	12.70	12.90	13.10	13.25
45.0	8.93	10.05	11.10	12.10	13.05	13.80	14.10	14.45	14.65
50.0	9.26	10.45	11.65	12.85	13.90	14.90	15.25	15.70	16.05
55.0	9.59	10.90	12.20	13.50	14.75	15.90	16.35	16.95	17.40
60.0	9.90	11.30	12.75	14.20	15.60	16.95	17.45	18.15	18.70
62.0			12.95	14.45	15.95	17.35	17.85	18.65	19.25

Cond °C	Current at 400 V, A								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	15.50	15.73	15.80						
15.0	15.93	16.31	16.54	16.59					
20.0	16.39	16.91	17.32	17.57	17.59				
25.0	16.86	17.53	18.12	18.57	18.82	18.82			
30.0	17.34	18.16	18.93	19.58	20.07	20.33	20.36	20.30	20.16
35.0	17.82	18.79	19.73	20.60	21.33	21.86	22.00	22.12	22.14
40.0	18.27	19.40	20.53	21.61	22.58	23.38	23.63	23.94	24.11
45.0	18.70	19.99	21.31	22.60	23.82	24.88	25.26	25.75	26.08
50.0	19.09	20.54	22.05	23.57	25.03	26.37	26.86	27.53	28.03
55.0	19.43	21.05	22.75	24.49	26.20	27.82	28.43	29.29	29.95
60.0	19.71	21.50	23.40	25.36	27.32	29.22	29.95	31.00	31.82
62.0			23.64	25.69	27.75	29.76	30.54	31.67	32.56

50 Hz

4DT-220

R134a

Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	142.00	175.50	215.00						
15.0	140.00	173.50	213.00	259.00					
20.0	137.00	171.00	211.00	257.00	310.00				
25.0	134.50	168.00	208.00	254.00	307.00	368.00			
30.0	131.50	165.50	205.00	251.00	304.00	364.00	391.00	433.00	470.00
35.0	128.00	162.00	202.00	247.00	300.00	360.00	387.00	429.00	466.00
40.0	124.50	158.50	198.00	244.00	296.00	356.00	383.00	425.00	462.00
45.0	120.00	154.50	194.00	240.00	292.00	352.00	378.00	420.00	458.00
50.0	116.00	150.50	190.00	235.00	288.00	347.00	374.00	416.00	453.00
55.0	111.00	146.00	185.00	230.00	283.00	342.00	369.00	411.00	449.00
60.0	105.50	140.50	180.00	225.00	277.00	337.00	363.00	406.00	444.00
62.0			178.00	223.00	275.00	335.00	361.00	404.00	442.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m³/h	84.7
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	700/535
Height, mm	795
Net Weight, kg	215
Gross Weight, kg	231
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.3
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	381 x 305 (18)
Sound Pressure @ 1m, dBA	72.5
Sound Power, dBA	83.5
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	42.8
Locked Rotor Current, A	175
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch
Mounting Springs

OPS2 Sensor
4

ACCESSORIES OPTIONAL

Additional Cooling
Capacity Control
Crankcase Heater
Enclosure Class
Oil Pressure Switch
Unloaded start
Deep Oil Sump
Adapter Kit
Check Valve
Oil Control System

70 W Vertical Air Flow Fan
Capacity Steps 50%
100 W Internal
IP 56
OPS2 Electronic Switch
Available
Mounted
For Parallel Operation
For unloaded start operation
ALCO Trax-Oil OM3

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
AWM	380-420 V / 3~ / 50 Hz	400	YY/Y	Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
AWR	220-240 V / 3~ / 50 Hz	230	YY/Y	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	Y	0.76
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00
AWC	208-230 V / 3~ / 60 Hz	230	YY/Y	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00