



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW													
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0	35.0	40.0
20.0	13.20	16.55	20.40	25.00	30.30	32.70								
25.0	12.60	15.90	19.75	24.20	29.40	31.70	35.40							
30.0	11.90	15.15	18.90	23.20	28.30	30.50	34.10	37.40	40.90					
35.0	11.05	14.30	17.95	22.20	27.10	29.20	32.70	35.90	39.30					
40.0	10.10	13.30	16.90	21.00	25.70	27.80	31.20	34.20	37.50	44.80				
45.0		12.20	15.75	19.70	24.30	26.30	29.50	32.50	35.60	42.60	50.60			
50.0		11.05	14.45	18.30	22.70	24.70	27.80	30.60	33.60	40.30	48.00	56.70		
55.0			13.10	16.80	21.10	22.90	25.90	28.60	31.50	37.90	45.20	53.60	63.20	
60.0			11.65	15.25	19.30	21.10	23.90	26.50	29.20	35.30	42.30	50.40	59.50	69.90
65.0				13.55	17.45	19.10	21.80	24.30	26.90	32.70	39.30	47.00	55.70	65.60
70.0				11.80	15.50	17.10	19.65	22.00	24.40	29.90	36.20	43.50	51.70	61.10
75.0				9.97	13.45	14.95	17.40	19.55	21.90	27.10	33.00	39.80	47.60	56.50
80.0							15.05	17.05	19.25	24.10	29.60	36.00	43.40	51.70
85.0										20.90	26.10	32.00	38.90	46.70

Cond °C	Power, kW													
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0	35.0	40.0
20.0	3.81	3.82	3.86	3.92	4.02	4.07								
25.0	4.13	4.16	4.20	4.26	4.36	4.41	4.49							
30.0	4.51	4.54	4.59	4.65	4.75	4.79	4.87	4.95	5.04					
35.0	4.96	4.99	5.04	5.10	5.19	5.23	5.31	5.38	5.46					
40.0	5.48	5.51	5.56	5.62	5.70	5.74	5.81	5.87	5.95	6.12				
45.0		6.11	6.16	6.21	6.28	6.32	6.38	6.44	6.51	6.67	6.87			
50.0		6.81	6.85	6.90	6.96	6.99	7.04	7.09	7.15	7.29	7.47	7.69		
55.0			7.65	7.69	7.74	7.76	7.80	7.84	7.89	8.01	8.16	8.35	8.59	
60.0			8.56	8.59	8.62	8.64	8.67	8.70	8.74	8.84	8.96	9.12	9.33	9.58
65.0				9.61	9.63	9.64	9.66	9.68	9.71	9.78	9.87	10.00	10.15	10.40
70.0				10.80	10.80	10.80	10.80	10.80	10.80	10.85	10.90	11.00	11.15	11.30
75.0				12.10	12.05	12.05	12.05	12.05	12.05	12.05	12.10	12.15	12.25	12.40
80.0							13.45	13.45	13.45	13.40	13.40	13.45	13.50	13.60
85.0										14.95	14.90	14.90	14.90	14.95

Cond °C	Current at 400 V, A													
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0	35.0	40.0
20.0	12.23	12.09	12.01	12.03	12.17	12.26								
25.0	12.68	12.56	12.49	12.49	12.60	12.67	12.82							
30.0	13.10	13.00	12.95	12.95	13.03	13.08	13.20	13.33	13.49					
35.0	13.51	13.46	13.42	13.42	13.48	13.53	13.62	13.72	13.86					
40.0	13.95	13.94	13.93	13.94	13.99	14.02	14.10	14.18	14.29	14.58				
45.0		14.48	14.51	14.53	14.57	14.60	14.66	14.72	14.80	15.04	15.37			
50.0		15.11	15.17	15.21	15.26	15.28	15.33	15.38	15.44	15.62	15.88	16.25		
55.0			15.95	16.02	16.07	16.10	16.13	16.17	16.22	16.35	16.55	16.84	17.23	
60.0			16.87	16.97	17.04	17.07	17.10	17.13	17.17	17.26	17.40	17.61	17.91	18.32
65.0				18.10	18.19	18.22	18.25	18.28	18.31	18.37	18.46	18.60	18.81	19.11
70.0				19.42	19.55	19.58	19.62	19.65	19.67	19.70	19.75	19.82	19.96	20.16
75.0				20.97	21.13	21.18	21.22	21.25	21.27	21.29	21.29	21.32	21.37	21.49
80.0							23.09	23.12	23.14	23.15	23.13	23.10	23.09	23.12
85.0										25.31	25.27	25.20	25.13	25.08

Cond °C	Suction Mass Flow, g/s													
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0	35.0	40.0
20.0	77.70	95.50	116.00	139.00	166.00	177.50								
25.0	77.40	95.80	116.50	140.00	167.00	179.00	198.00							
30.0	76.40	95.40	116.50	140.50	168.00	180.00	199.00	216.00	234.00					
35.0	74.50	94.30	116.00	140.50	168.00	180.00	199.50	216.00	235.00					
40.0	71.80	92.40	115.00	139.50	167.50	179.50	199.00	216.00	235.00	275.00				
45.0		89.50	112.50	138.00	166.50	178.50	198.00	216.00	234.00	274.00	320.00			
50.0		85.70	109.50	135.50	164.50	176.50	196.50	214.00	233.00	273.00	319.00	370.00		
55.0			105.50	132.00	161.50	174.00	194.00	212.00	230.00	271.00	317.00	369.00	426.00	
60.0			100.50	128.00	157.50	170.50	190.50	209.00	227.00	269.00	315.00	367.00	424.00	489.00
65.0				122.50	153.00	166.00	186.50	205.00	224.00	265.00	312.00	364.00	422.00	487.00
70.0				115.50	147.00	160.00	181.00	199.50	219.00	261.00	308.00	361.00	419.00	485.00
75.0				107.00	139.50	153.00	174.50	193.50	213.00	256.00	304.00	357.00	416.00	483.00
80.0							166.50	186.00	206.00	250.00	298.00	352.00	413.00	481.00
85.0										243.00	292.00	348.00	410.00	479.00

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	36.4
Length/Width, mm	281/285
Height, mm	552
Net Weight, kg	64.9
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Oil Quantity, l	3.38
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	190 x 190 (0)
Sound Pressure @ 1m (HT), dBA	67
Sound Power (HT), dBA	78
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	7 / 54 / 18 °C at 50 Hz
PED Category	2
Max. Internal Free Volume, l	14.0
High Side PS gauge, bar	32
Low Side PS gauge, bar	20
Low Side TS Max., °C	52
Low Side TS Min., °C	-35
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	27.1
Locked Rotor Current, A	140
Winding Resistance, ohm	1.1
Default Enclosure Class	IP 21 (IEC 34)

### **ACCESSORIES INCLUDED**

Enclosure Class	IP21
Oil Charge	
Mounting Grommets	Rubber Grommet For Single
Oil Service Valve	Schraeder Valve
Check Valve	Discharge Low Leak Check Valve
Discharge Temperature Protection	ASTP Therm-O-Disc In Scroll

### **ACCESSORIES OPTIONAL**

Adapter Kit	R1"1/4 -B 1"1/8 For TPTL for
Oil Control System	Parallel Operation
Mounting Grommets	ALCO Trax-Oil OM3
Sound Attenuation	Hard Mounts for Paralleling
Crankcase Heater	Sound Shell (12dBA)
Enclosure Class	66 W External IP66 With Molded Plug

### **MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00