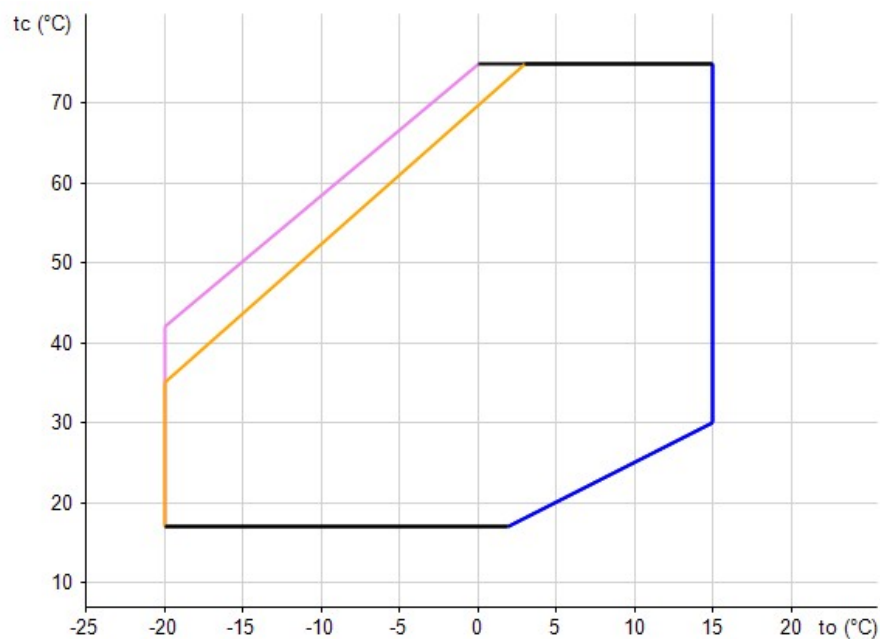




Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

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	15.0
17.0	4.20	5.27	6.55	8.07	9.87					
20.0	4.08	5.12	6.37	7.87	9.62					
25.0	3.88	4.88	6.08	7.52	9.21	11.20	12.05			
30.0	3.67	4.63	5.79	7.17	8.79	10.70	11.55	12.90	14.10	15.40
35.0	3.46	4.39	5.49	6.81	8.37	10.20	11.00	12.30	13.50	14.75
40.0	3.25	4.14	5.19	6.45	7.93	9.68	10.45	11.70	12.85	14.05
45.0		3.88	4.89	6.08	7.50	9.16	9.90	11.10	12.15	13.35
50.0		3.63	4.58	5.71	7.05	8.63	9.34	10.50	11.50	12.60
55.0			4.26	5.33	6.60	8.10	8.77	9.85	10.85	11.90
60.0				4.95	6.14	7.55	8.19	9.21	10.15	11.15
65.0				4.56	5.67	7.00	7.60	8.57	9.45	10.40
70.0					5.20	6.44	7.00	7.91	8.74	9.63
75.0					4.71	5.87	6.39	7.24	8.01	8.85

50 Hz

YH11K1E-TFD

R134a

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
17.0	1.22	1.25	1.28	1.31	1.33					
20.0	1.29	1.33	1.36	1.40	1.42					
25.0	1.42	1.46	1.50	1.54	1.58	1.60	1.62			
30.0	1.54	1.60	1.65	1.70	1.74	1.78	1.79	1.81	1.82	1.84
35.0	1.68	1.74	1.80	1.86	1.92	1.96	1.98	2.01	2.03	2.04
40.0	1.82	1.90	1.97	2.04	2.10	2.16	2.18	2.22	2.24	2.26
45.0		2.06	2.15	2.23	2.30	2.37	2.40	2.44	2.47	2.50
50.0		2.24	2.33	2.43	2.52	2.60	2.63	2.68	2.72	2.75
55.0			2.53	2.64	2.75	2.84	2.88	2.94	2.98	3.03
60.0				2.87	2.99	3.11	3.15	3.22	3.27	3.32
65.0				3.13	3.26	3.39	3.44	3.52	3.58	3.64
70.0					3.55	3.70	3.75	3.84	3.91	3.98
75.0					3.86	4.02	4.09	4.19	4.27	4.34

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	15.0
17.0	5.02	5.05	5.07	5.09	5.11					
20.0	5.07	5.10	5.12	5.15	5.17					
25.0	5.16	5.19	5.22	5.25	5.27	5.29	5.30			
30.0	5.25	5.29	5.32	5.36	5.39	5.41	5.42	5.44	5.45	5.46
35.0	5.34	5.39	5.43	5.48	5.52	5.55	5.57	5.59	5.60	5.62
40.0	5.45	5.50	5.56	5.61	5.66	5.71	5.73	5.76	5.78	5.80
45.0		5.63	5.70	5.76	5.83	5.89	5.91	5.95	5.97	6.00
50.0		5.77	5.86	5.94	6.01	6.09	6.12	6.16	6.20	6.23
55.0			6.03	6.13	6.22	6.32	6.35	6.41	6.45	6.49
60.0				6.35	6.46	6.57	6.61	6.68	6.73	6.78
65.0				6.59	6.72	6.85	6.91	6.98	7.05	7.11
70.0					7.02	7.17	7.23	7.32	7.40	7.47
75.0					7.34	7.52	7.59	7.70	7.78	7.87

50 Hz

YH11K1E-TFD

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	15.0
17.0	24.60	30.20	36.90	44.70	53.60					
20.0	24.50	30.10	36.80	44.60	53.50					
25.0	24.30	30.00	36.60	44.40	53.40	63.70	68.20			
30.0	24.10	29.80	36.50	44.20	53.20	63.50	68.00	75.10	81.50	88.30
35.0	23.90	29.60	36.30	44.00	53.00	63.20	67.70	74.90	81.30	88.10
40.0	23.70	29.40	36.10	43.80	52.70	63.00	67.50	74.70	81.10	87.90
45.0		29.20	35.80	43.60	52.50	62.70	67.20	74.40	80.80	87.60
50.0		28.90	35.60	43.30	52.20	62.40	66.90	74.10	80.50	87.30
55.0			35.30	43.00	51.90	62.10	66.60	73.80	80.20	87.00
60.0				42.70	51.50	61.80	66.30	73.50	79.90	86.70
65.0				42.30	51.20	61.40	65.90	73.10	79.60	86.50
70.0					50.80	61.10	65.60	72.80	79.30	86.20
75.0					50.50	60.80	65.30	72.60	79.10	86.10

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	14.3
Length/Width, mm	255/261
Height, mm	442
Net Weight, kg	37.5
Gross Weight, kg	41.2
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.89
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (19)
Sound Pressure @ 1m (MT), dBA	65
Sound Power (MT), dBA	76
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Max. Low Side Internal Free Volume, l	6.4
Max. High Side Internal Free Volume, l	0.6
Max. Internal Free Volume, l	7.00
High Side PS gauge, bar	38
Low Side PS gauge, bar	23.5
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
High Side TS Max., °C	150
High 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	11.3
Locked Rotor Current, A	64
Winding Resistance, ohm	2.74
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

50 Hz

YH11K1E-TFD

R134a

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04