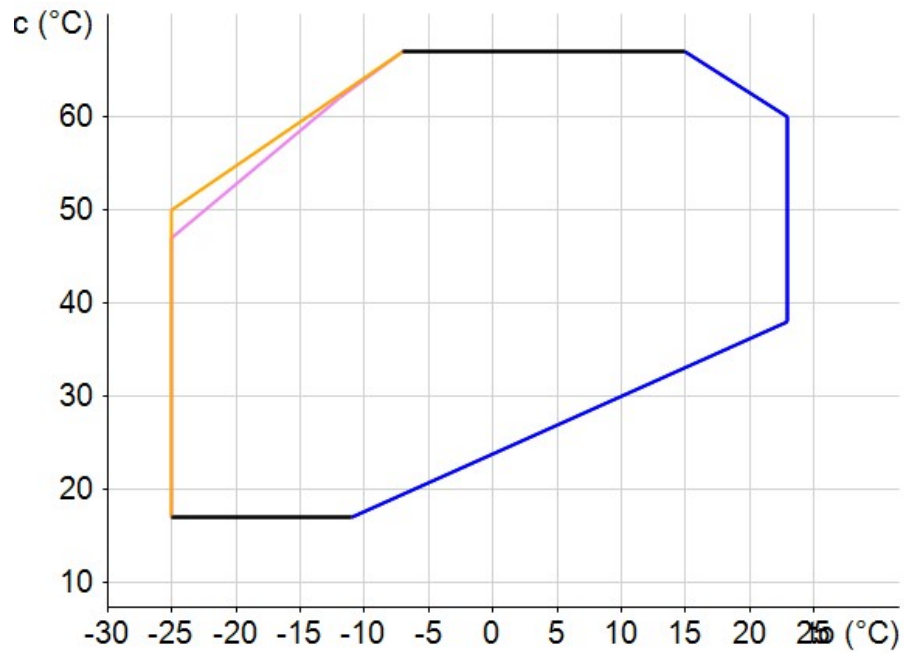




Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 5 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW											
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
17.0	11.10	14.00	17.50									
20.0	10.80	13.65	17.05	21.10								
25.0	10.25	13.05	16.35	20.20	24.90	30.30						
30.0	9.73	12.40	15.55	19.35	23.80	28.90	34.90	37.60	41.80			
35.0	9.17	11.75	14.80	18.40	22.60	27.60	33.30	35.80	39.90	43.60	47.50	
40.0	8.61	11.10	14.00	17.40	21.40	26.20	31.60	34.00	37.90	41.40	45.20	53.40
45.0	8.03	10.40	13.15	16.40	20.20	24.70	29.90	32.20	35.90	39.30	42.80	50.70
50.0		9.70	12.30	15.40	19.00	23.20	28.20	30.30	33.90	37.00	40.40	47.90
55.0			11.45	14.35	17.75	21.70	26.40	28.40	31.80	34.80	38.00	45.10
60.0				13.30	16.45	20.20	24.60	26.50	29.60	32.50	35.50	42.20
65.0					15.15	18.65	22.70	24.50	27.50	30.10	33.00	
67.0					14.65	18.00	22.00	23.70	26.60	29.20	32.00	

50 Hz

YH23K1E-TFD

R407C Dew Point

Cond °C	Power, kW											
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
17.0	3.96	4.08	4.19									
20.0	4.18	4.32	4.43	4.54								
25.0	4.55	4.73	4.87	4.99	5.11	5.25						
30.0	4.95	5.18	5.35	5.49	5.61	5.74	5.89	5.97	6.10			
35.0	5.36	5.65	5.87	6.03	6.17	6.30	6.44	6.51	6.62	6.73	6.85	
40.0	5.80	6.16	6.43	6.64	6.80	6.94	7.08	7.14	7.24	7.33	7.44	7.70
45.0	6.26	6.69	7.03	7.29	7.50	7.66	7.81	7.87	7.96	8.04	8.14	8.36
50.0		7.27	7.69	8.01	8.26	8.46	8.62	8.69	8.78	8.86	8.95	9.15
55.0			8.38	8.78	9.09	9.34	9.53	9.60	9.71	9.79	9.87	10.05
60.0				9.61	10.00	10.30	10.55	10.60	10.75	10.85	10.90	11.10
65.0					10.95	11.35	11.65	11.75	11.85	12.00	12.10	
67.0					11.40	11.80	12.10	12.20	12.35	12.45	12.55	

Cond °C	Current at 400 V, A											
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
17.0	10.02	10.11	10.19									
20.0	10.22	10.34	10.43	10.53								
25.0	10.59	10.75	10.87	10.98	11.10	11.25						
30.0	10.99	11.21	11.38	11.52	11.64	11.78	11.96	12.04	12.19			
35.0	11.42	11.72	11.95	12.13	12.28	12.42	12.59	12.66	12.79	12.91	13.06	
40.0	11.89	12.29	12.59	12.83	13.02	13.18	13.35	13.42	13.53	13.64	13.77	14.07
45.0	12.40	12.91	13.31	13.62	13.86	14.06	14.24	14.32	14.43	14.53	14.64	14.91
50.0		13.59	14.10	14.50	14.81	15.06	15.28	15.36	15.48	15.58	15.69	15.93
55.0			14.97	15.48	15.88	16.20	16.46	16.56	16.69	16.80	16.91	17.15
60.0				16.56	17.06	17.46	17.79	17.91	18.07	18.19	18.32	18.56
65.0					18.36	18.86	19.27	19.41	19.61	19.76	19.90	
67.0					18.91	19.46	19.91	20.06	20.27	20.44	20.59	

50 Hz

YH23K1E-TFD

R407C Dew Point

Cond °C	Suction Mass Flow, g/s											
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
17.0	55.40	68.80	84.60									
20.0	55.00	68.50	84.30	103.00								
25.0	54.40	67.90	83.80	102.50	124.00	149.00						
30.0	53.60	67.20	83.10	101.50	123.00	148.00	176.00	188.50	208.00			
35.0	52.80	66.50	82.30	101.00	122.00	146.50	174.50	187.00	207.00	224.00	243.00	
40.0	51.90	65.60	81.50	99.80	121.00	145.50	173.00	185.50	205.00	222.00	241.00	281.00
45.0	50.90	64.70	80.40	98.60	119.50	143.50	171.50	183.50	203.00	220.00	238.00	278.00
50.0		63.60	79.30	97.30	118.00	142.00	169.50	181.50	200.00	218.00	236.00	276.00
55.0			78.10	95.90	116.50	140.00	167.00	179.00	198.00	215.00	233.00	273.00
60.0				94.40	114.50	138.00	165.00	176.50	195.50	212.00	230.00	270.00
65.0					112.50	136.00	162.50	174.00	193.00	210.00	228.00	
67.0					112.00	135.00	161.50	173.00	192.00	209.00	227.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	29.2
Length/Width, mm	284/289
Height, mm	551
Net Weight, kg	68.2
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Oil Quantity, l	3.58
Oil type (original charge)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (0)
Sound Pressure @ 1m (HT), dBA	68
Sound Power (HT), dBA	79
Sound Power with Sound Shell (HT), dBA	69
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	3
Max. Low Side Internal Free Volume, l	12.6
Max. High Side Internal Free Volume, l	1.5
Max. Internal Free Volume, l	14.1
High Side PS gauge, bar	50
Low Side PS gauge, bar	30.4
Low Side TS Max., °C	55
Low Side TS Min., °C	-35
High Side TS Max., °C	150
High Side TS Min., °C	-35
Refrigerant's GWP	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	23
Locked Rotor Current, A	147
Winding Resistance, ohm	1.04
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED
ACCESSORIES OPTIONAL
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