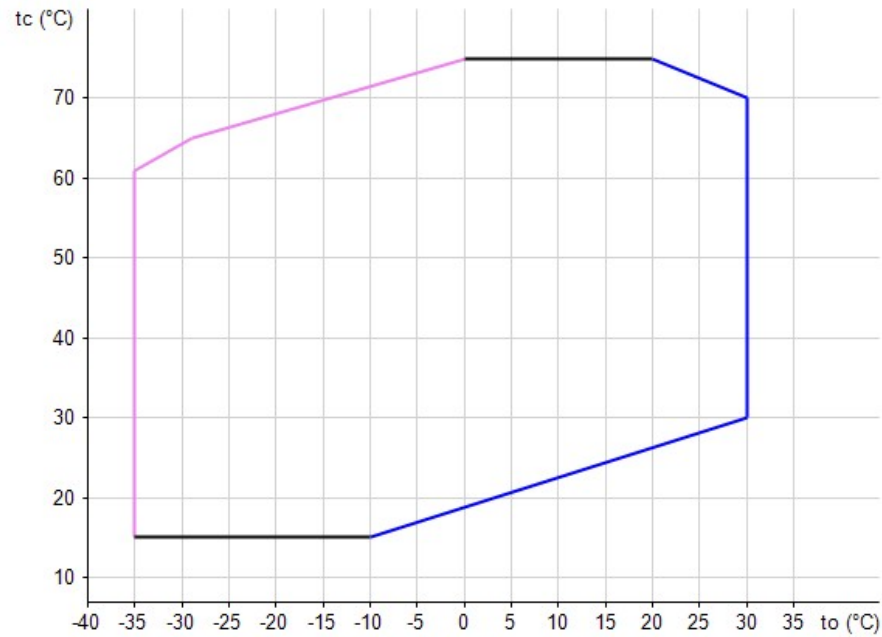




Minimum Evaporating Temp. With:

10 K Suction Superheat

Maximum Evaporating Temperature

Drive Frequency Range 90 - 275 Hz

Suction Superheat 10.0K

Compressor Speed 50 1/s

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW															
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0
15.0	3.84	4.64	5.68	6.99	8.62	10.60										
20.0	3.61	4.43	5.47	6.77	8.37	10.30	12.60	15.25								
25.0	3.38	4.21	5.25	6.53	8.08	9.95	12.15	14.75	17.75	19.10	21.20	23.20	25.20			
30.0	3.14	3.98	5.01	6.26	7.76	9.56	11.70	14.20	17.10	18.35	20.40	22.20	24.20	28.50	33.40	
35.0	2.90	3.74	4.75	5.96	7.41	9.14	11.15	13.55	16.30	17.55	19.50	21.30	23.10	27.30	31.90	37.10
40.0	2.65	3.49	4.47	5.64	7.03	8.67	10.60	12.90	15.50	16.65	18.55	20.20	22.00	25.90	30.40	35.40
45.0	2.40	3.23	4.18	5.29	6.61	8.17	10.00	12.15	14.65	15.75	17.50	19.10	20.80	24.50	28.80	33.50
50.0	2.15	2.95	3.86	4.92	6.16	7.63	9.34	11.35	13.70	14.75	16.40	17.90	19.50	23.00	27.00	31.60
55.0	1.89	2.66	3.53	4.52	5.68	7.04	8.64	10.50	12.70	13.65	15.20	16.60	18.15	21.50	25.20	29.50
60.0	1.63	2.36	3.18	4.10	5.17	6.42	7.89	9.62	11.65	12.55	14.00	15.30	16.70	19.80	23.30	27.30
65.0			2.80	3.65	4.62	5.76	7.09	8.67	10.50	11.35	12.65	13.85	15.15	18.05	21.30	25.10
70.0						5.05	6.25	7.66	9.33	10.10	11.30	12.40	13.60	16.25	19.25	22.80
75.0								6.61	8.09	8.76	9.85	10.85	11.90	14.30		

50 1/s

YHV094RT-4X9+ED3028BU

R454C Dew Point

Cond °C	Power, kW															
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0
15.0	1.80	1.84	1.90	1.96	2.03	2.10										
20.0	1.98	2.04	2.11	2.17	2.24	2.31	2.39	2.47								
25.0	2.19	2.26	2.33	2.41	2.48	2.56	2.63	2.71	2.79	2.82	2.87	2.91	2.95			
30.0	2.41	2.50	2.58	2.67	2.75	2.83	2.91	2.99	3.07	3.10	3.14	3.18	3.22	3.29	3.36	
35.0	2.65	2.75	2.85	2.95	3.05	3.14	3.22	3.31	3.39	3.42	3.46	3.50	3.54	3.61	3.67	3.73
40.0	2.90	3.03	3.15	3.26	3.37	3.48	3.57	3.66	3.75	3.78	3.83	3.87	3.90	3.97	4.03	4.09
45.0	3.17	3.32	3.46	3.60	3.73	3.84	3.96	4.06	4.15	4.19	4.24	4.28	4.32	4.39	4.45	4.50
50.0	3.45	3.63	3.80	3.96	4.11	4.24	4.37	4.49	4.60	4.64	4.69	4.74	4.78	4.85	4.92	4.97
55.0	3.75	3.96	4.16	4.34	4.52	4.68	4.82	4.96	5.08	5.13	5.19	5.24	5.29	5.37	5.44	5.50
60.0	4.06	4.31	4.54	4.75	4.95	5.14	5.31	5.47	5.61	5.66	5.73	5.79	5.84	5.94	6.02	6.08
65.0			4.94	5.19	5.42	5.63	5.83	6.01	6.17	6.23	6.32	6.38	6.45	6.56	6.65	6.72
70.0						6.16	6.39	6.60	6.78	6.85	6.95	7.03	7.10	7.23	7.33	7.42
75.0							7.22	7.43	7.51	7.63	7.71	7.80	7.95			

Cond °C	Inverter Current at 400 V, A															
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0
15.0	4.28	4.32	4.38	4.44	4.53	4.62										
20.0	4.40	4.47	4.55	4.64	4.73	4.84	4.96	5.08								
25.0	4.57	4.67	4.77	4.88	4.99	5.11	5.24	5.37	5.51	5.57	5.66	5.73	5.81			
30.0	4.78	4.90	5.03	5.17	5.30	5.44	5.58	5.72	5.87	5.93	6.02	6.09	6.17	6.32	6.47	
35.0	5.02	5.19	5.35	5.50	5.66	5.82	5.98	6.13	6.29	6.35	6.44	6.52	6.59	6.74	6.90	7.05
40.0	5.31	5.51	5.70	5.89	6.07	6.25	6.43	6.60	6.76	6.83	6.92	7.00	7.08	7.23	7.38	7.53
45.0	5.65	5.88	6.10	6.32	6.53	6.73	6.93	7.12	7.30	7.37	7.47	7.55	7.63	7.79	7.94	8.08
50.0	6.02	6.29	6.55	6.80	7.04	7.27	7.49	7.69	7.89	7.97	8.08	8.16	8.25	8.41	8.57	8.71
55.0	6.43	6.74	7.04	7.33	7.60	7.86	8.10	8.33	8.54	8.63	8.74	8.84	8.93	9.10	9.26	9.40
60.0	6.88	7.24	7.58	7.91	8.21	8.50	8.77	9.02	9.26	9.35	9.47	9.58	9.67	9.86	10.02	10.17
65.0			8.17	8.53	8.87	9.19	9.49	9.77	10.03	10.13	10.26	10.38	10.48	10.68	10.85	11.00
70.0						9.94	10.27	10.58	10.86	10.97	11.12	11.24	11.35	11.56	11.75	11.91
75.0							11.44	11.75	11.87	12.03	12.16	12.29	12.51			

50 1/s

YHV094RT-4X9+ED3028BU

R454C Dew Point

Cond °C	Suction Mass Flow, g/s															
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0
15.0	23.10	27.40	32.90	39.80	48.20	58.20										
20.0	22.80	27.40	33.20	40.20	48.80	58.90	70.80	84.40								
25.0	22.40	27.30	33.30	40.60	49.30	59.50	71.40	85.10	101.00	107.50	118.50	128.00	138.50			
30.0	21.90	27.20	33.50	40.90	49.70	60.00	71.90	85.60	101.50	108.00	119.00	128.50	139.00	161.00	185.50	
35.0	21.40	27.00	33.50	41.10	50.00	60.30	72.30	86.00	101.50	108.50	119.00	129.00	139.00	161.00	186.00	213.00
40.0	20.90	26.70	33.40	41.20	50.10	60.50	72.40	86.10	101.50	108.50	119.00	129.00	139.00	161.00	185.50	213.00
45.0	20.20	26.40	33.30	41.10	50.10	60.50	72.40	86.00	101.50	108.00	119.00	128.50	138.50	160.50	185.00	212.00
50.0	19.50	26.00	33.10	41.00	50.00	60.30	72.10	85.60	101.00	107.50	118.50	128.00	138.00	160.00	184.00	211.00
55.0	18.70	25.50	32.70	40.70	49.70	60.00	71.70	85.00	100.00	107.00	117.50	127.00	137.00	158.50	183.00	210.00
60.0	17.75	24.80	32.30	40.30	49.30	59.40	71.00	84.20	99.20	106.00	116.50	125.50	135.50	157.50	181.50	209.00
65.0			31.70	39.80	48.60	58.70	70.10	83.10	98.00	104.50	115.00	124.00	134.00	156.00	180.00	207.00
70.0						57.80	69.00	81.90	96.60	103.00	113.50	122.50	132.50	154.50	179.00	206.00
75.0								80.80	95.40	102.00	112.50	121.50	131.50	153.50		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	16.9
Length/Width, mm	261/228
Height, mm	435
Net Weight, kg	29.5
Stub Suction, inch	7/8
Stub Discharge, inch	3/4
Drive Frequency Range, Hz	90 - 275
Compressor Speed Range, 1/min	1800 - 5500
Oil Quantity, l	1.18
Oil type (original charge)	Zerol RFL 68EP
Oil type (approved oils)	Zerol RFL 68EP
Sound Pressure @ 1m (HT), dBA	59
Sound Power (HT), dBA	70
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	-7 / 50 / 3 °C at 60 Hz
PED Category	II
Max. Low Side Internal Free Volume, l	3.9
Max. High Side Internal Free Volume, l	0.6
Max. Internal Free Volume, l	4.50
High Side PS gauge, bar	42
Low Side PS gauge, bar	30
Low Side TS Max., °C	70
Low Side TS Min., °C	-25
High Side TS Max., °C	150
High Side TS Min., °C	-35
Refrigerant's GWP	148
Refrigerant's classification	A2L

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

Maximum Operating Current, A	28
Winding Resistance, ohm	0.3/0.3/0.3 (T1-T2/T2-T3/T3-T1)
Default Enclosure Class	Not Available

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL**

50 1/s

YHV094RT-4X9+ED3028BU

R454C Dew Point

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
4E9	380-420 V / 3~ / 50 Hz	400	Y		1.00
4X9	380-420 V / 3~ / 50 Hz	400	Y		1.00