

Rating Conditions

11.1 K Superheat
 0 K Subcooling
 35 °C Ambient Air Over
 50 Hz Operation

MEDIUM TEMPERATURE

Blue Area Restrictions: 11°C Max Superheat

ZB26KQE-PFJ

HFC-404A
 COPELAND SCROLL®
 PFJ 220/240-1-50

Condensing Temperature °C (Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-23.0 (2.7)	-20.0 (3)	-15.0 (3.6)	-10.0 (4.3)	-5.0 (5.1)	0.0 (6)	5.0 (7)	7.0 (7.5)
60.0 (28.7)	C					4,500	5,600	6,900	7,500
	P					4,480	4,350	4,200	4,140
	A					19.1	19.0	18.9	18.8
	M					58	70	83	89
	E					1.0	1.3	1.7	1.8
	%					47.1	52.6	58.2	60.4
55.0 (25.7)	C				4,250	5,250	6,500	7,900	8,550
	P				4,090	3,990	3,870	3,730	3,680
	A				17.5	17.4	17.4	17.2	17.2
	M				50	60	72	85	91
	E				1.0	1.3	1.7	2.1	2.3
	%				46.1	51.4	56.6	61.8	63.7
50.0 (23)	C			3,900	4,850	6,000	7,350	8,900	9,600
	P			3,730	3,640	3,550	3,440	3,320	3,270
	A			16.0	16.0	16.0	15.9	15.8	15.8
	M			43	52	62	74	87	93
	E			1.0	1.3	1.7	2.1	2.7	2.9
	%			45.1	50.3	55.4	60.3	64.9	66.5
45.0 (20.4)	C	3,050	3,500	4,400	5,450	6,700	8,150	9,850	10,600
	P	3,420	3,380	3,310	3,240	3,150	3,060	2,950	2,910
	A	14.7	14.8	14.8	14.8	14.7	14.7	14.6	14.6
	M	32	36	44	53	63	75	88	94
	E	0.9	1.0	1.3	1.7	2.1	2.7	3.3	3.6
	%	40.7	43.9	49.0	54.1	58.9	63.3	67.1	68.3
40.0 (18.1)	C	3,400	3,900	4,900	6,000	7,350	8,950	10,750	11,550
	P	3,040	3,000	2,950	2,880	2,800	2,720	2,630	2,590
	A	13.7	13.7	13.7	13.7	13.7	13.6	13.6	13.5
	M	33	37	45	54	64	76	90	95
	E	1.1	1.3	1.7	2.1	2.6	3.3	4.1	4.5
	%	44.4	47.5	52.6	57.4	61.7	65.4	68.1	68.8
35.0 (16.1)	C	3,750	4,300	5,350	6,550	8,000	9,650	11,600	12,450
	P	2,700	2,670	2,620	2,560	2,500	2,430	2,350	2,310
	A	12.8	12.8	12.8	12.8	12.8	12.7	12.7	12.7
	M	34	38	46	55	65	77	91	96
	E	1.4	1.6	2.0	2.6	3.2	4.0	5.0	5.4
	%	47.7	50.7	55.6	59.9	63.6	66.2	67.4	67.3
25.0 (12.4)	C	4,400	5,000	6,200	7,550	9,200	11,100	13,250	
	P	2,140	2,110	2,070	2,030	1,980	1,930	1,880	
	A	11.4	11.4	11.4	11.4	11.4	11.4	11.4	
	M	34	39	47	56	67	79	92	
	E	2.1	2.4	3.0	3.7	4.6	5.7	7.1	
	%	52.8	55.4	59.3	62.0	63.3	62.5	59.2	
15.0 (9.4)	C	4,950	5,650	6,950	8,500	10,300			
	P	1,690	1,680	1,650	1,620	1,580			
	A	10.4	10.4	10.4	10.4	10.4			
	M	35	39	47	56	67			
	E	2.9	3.4	4.2	5.3	6.5			
	%	54.9	56.7	58.4	58.1	55.2			
10.0 (8.2)	C	5,200	5,900	7,300	8,900				
	P	1,510	1,490	1,470	1,440				
	A	10.0	10.0	10.0	10.0				
	M	35	39	47	56				
	E	3.5	4.0	5.0	6.2				
	%	54.4	55.5	55.6	53.1				

C: Capacity (W), P: Power (W), A: Current (Amps), M: Mass Flow (gm/s), E: COP, %: Isentropic Efficiency (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 220 V

ZB26KCE-PFJ

HFC, R-134a, 50 Hz, 1 - Phase, 220/240 V

High Temp

Production Status: Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance			Mechanical	
Evaporator Temp. (°C)	7	-7	Displacement (cm ³ /Rev):	57.19
Condensing Temp. (°C)	54	49	Displacement (m ³ /Hr):	
Return Gas Temp. (°C)	18	18	Overall Length (mm):	241.30
Liquid Temp. (°C)	54	49	Overall Width (mm):	241.30
Capacity (Watts)	6242	3707	Overall Height (mm):	406.40
Power (W):	2180	1870	Mounting Length (mm):	190.50
Current (Amps):	11.1	9.8	Mounting Width (mm):	190.50
EER(BTU/Wh):	16.57	11.47	Mounting Height (mm):	425.45
Mass Flow (lbs/hr):	46.37	27.59	Suction Size (mm),Type:	76.20 / 101.60 Stub
Sound Data @			Discharge Size (mm),Type:	25.40 / 50.80 Stub
Sound Power (dBA):	71 Avg	76 Max	Initial Oil Charge (ml):	1242.11
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (ml):	1330.83
Record Date:	2022-03-04		Net Weight (kg):	28.58
			Internal Free Volume (cm ³):	2539.99
			Horse Power:	
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors					
		Type	Part No	Low MFD	High MFD	Volts	User Description
LRA High* (Amps):	97						
LRA Low*(Amps):	89.0	No data available in table					
LRA Half Winding (Amps):							
MCC (Amps):	26.5						
Max Operating Current (Amps):							
RLA, MCC/1.4(use for contactor selection)(Amps):	18.9						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	17.0						
RPM:	2900						
Box IP :	21						
UL File No:							
UL File Date:	1995-02-28						

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
R-134a HFC		1	60	High Temp
R-22 HCFC	265	1	60	High Temp
R-22 HCFC	220/240	1	50	High Temp
R-404A HFC	220/240	1	50	Medium Temperature
R-404A HFC		1	60	Medium Temperature
R-407A HFC	220/240	1	50	Medium Temperature
R-407A HFC		1	60	Medium Temperature
R-407C HFC		1	60	High Temp
R-407C HFC		1	50	High Temp
R-407F HFC		1	50	Medium Temperature
R-407F HFC		1	60	Medium Temperature
R-448A HFO		1	50	Medium Temperature
R-448A HFO		1	60	Medium Temperature
R-449A HFO		1	50	Medium Temperature
R-449A HFO		1	60	Medium Temperature
R-507 HFC	220/240	1	50	Medium Temperature
R-507 HFC		1	60	Medium Temperature
R-513A HFO		1	50	High Temp
R-513A HFO		1	60	High Temp