

ZB11MCE-TWD

HFC, R-404A, 60 Hz, 3 - Phase, 460 V , [Also Available with Variable Frequency Drives](#)

Medium Temperature

Production Status: This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Copeland Wholesaler. Please check with your local Copeland Representative for international availability.

Summary

Performance		
Evaporator Temp. (°F)	20.00	45
Condensing Temp. (°F)	120.00	130
Return Gas Temp. (°F)	65.00	65
Liquid Temp. (°F)	120.00	130
Capacity (BTU/hr)	110000	156000
Power (W):	16200	19200
Current (Amps):	23.5	27.2
EER(BTU/Wh):	6.8	8.1
Mass Flow (lbs/hr):	2310	3800
Sound Data @		
Sound Power (dBA):	86 Avg	94 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2006-03-15	
Mechanical		
Displacement (in ³ /Rev):	15.00	
Displacement (ft ³ /Hr):		
Overall Length (in):	12.60	
Overall Width (in):	13.80	
Overall Height (in):	22.80	
Mounting Length (in):	8.70	
Mounting Width (in):	8.70	

Mounting Height (in):	23.50
Suction Size (in),Type:	2 1 / 4
Discharge Size (in),Type:	1 3 / 4
Initial Oil Charge (oz):	140
Oil Recharge (oz):	137
Oil Type:	POE
Net Weight (lbs):	235.0
Internal Free Volume (in³):	1120.0

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical

LRA High* (Amps):	187
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	39.5
Max Operating Current (Amps):	29.90
RLA, MCC/1.4(use for contactor selection)(Amps):	28.2
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	25.3
RPM:	3500
Box IP :	54
UL File No:	SA-9747
UL File Date:	1994-07-12
European Pressure Equipment Directive (PED):	
Fluid Group**:	FG 2
PS Low / High Side (BAR):	22.6 / 32.0
TS Min (°C):	-35 / -35
TS Max (°C):	50 / 150
Volume (L) :	3.1 / 15.5

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

**Fluid Group 1 comprises dangerous fluids defined as: Explosive, extremely flammable, high flammable, very toxic, toxic, oxidizing.

Fluid Group 2 is for non-dangerous fluids defined as: non-explosive, non-toxic, non-flammable.

Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
No data available in table					
Alternate Applications					
Refrigerant	Voltage	Phase	Frequency	Application	
R-134a HFC	460	3	60	High Temp	
R-134a HFC	380/420	3	50	High Temp	
R-22 HCFC	460	3	60	High Temp	
R-22 HCFC	380/420	3	50	High Temp	
R-404A HFC	380/420	3	50	Medium Temperature	
R-407A HFC	380/420	3	50	Medium Temperature	
R-407A HFC	460	3	60	Medium Temperature	
R-407C HFC	380/420	3	50	Medium Temperature	
R-407C HFC	460	3	60	Medium Temperature	
R-507 HFC	380/420	3	50	Medium Temperature	

Nomenclature

ZB11MCE-TWD

Family Series

Z: Scroll

Application Range

B: Ref High/ Med. Temp. - R-22/404A/410A/407A/C/F

Capacity

11: Capacity

Model Variation

C: Model Variation

Oil Type

E: Polyol Ester

Motor Type

T: 3 Phase

Motor Protection

W: External Electronic Protection

Voltage

D: 60Hz (460-3) 50Hz (380/420-3)