

# CS10K6E-TFD

HCFC, R-22, 60 Hz, 3 - Phase, 380/460 V , [Also Available with Variable Frequency Drives](#)

## Medium Temperature

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

## Summary

Performance		
Evaporator Temp. (°F)	20.00	0
Condensing Temp. (°F)	120.00	110
Return Gas Temp. (°F)	40.00	40
Liquid Temp. (°F)	120.00	110
Capacity (BTU/hr)	10600	6720
Power (W):	1500	1130
Current (Amps):	4.3	3.3
EER(BTU/Wh):	7.1	5.9
Mass Flow (lbs/hr):	166	98
Sound Data @		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	0.0 Max
Record Date:	1999-05-03	
Mechanical		
Displacement (in <sup>3</sup> /Rev):	2.26	
Displacement (ft <sup>3</sup> /Hr):		
Overall Length (in):	10.30	
Overall Width (in):	9.10	
Overall Height (in):	13.30	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	13.70	

<b>Suction Size (in),Type:</b>	5 / 8 Stub
<b>Discharge Size (in),Type:</b>	1 / 2 Stub
<b>Initial Oil Charge (oz):</b>	45
<b>Oil Recharge (oz):</b>	43
<b>Oil Type:</b>	POE
<b>Net Weight (lbs):</b>	60.0

**Internal Free Volume (in<sup>3</sup>):**

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

#### Electrical

<b>LRA High* (Amps):</b>	25
<b>LRA Low*(Amps):</b>	
<b>LRA Half Winding (Amps):</b>	
<b>MCC (Amps):</b>	5
<b>Max Operating Current (Amps):</b>	
<b>RLA, MCC/1.4(use for contactor selection)(Amps):</b>	3.6
<b>RLA, MCC/1.56(use for breaker &amp; wire size selection)(Amps):</b>	3.2
<b>RPM:</b>	3500
<b>Box IP :</b>	
<b>UL File No:</b>	
<b>UL File Date:</b>	1984-12-28

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

#### 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	380/460	3	60	High Temp
R-404A HFC	380/460	3	60	Extended Medium Temp
R-404A HFC	380/420	3	50	Extended Medium Temp
R-407A HFC	380/460	3	60	Medium Temperature

Refrigerant	Voltage	Phase	Frequency	Application
R-448A HFO	380/460	3	60	Medium Temperature
R-449A HFO	380/460	3	60	Medium Temperature
R-507 HFC	380/460	3	60	Extended Medium Temp
R-507 HFC	380/420	3	50	Extended Medium Temp

## Nomenclature

CS10K6E-TFD
<b>Family Series</b>
<b>C:</b> Family of Compressors
<b>Application Range</b>
<b>S:</b> REF EM, R404A, R448A, R22
<b>Nominal Capacity at Rating Condition</b>
<b>10K:</b> Capacity Multiplier-100
<b>Model Series Variation (Efficiency)</b>
<b>6:</b> Generation 2 (BASE)
<b>Identifier</b>
: CK Model
<b>OIL Identifier</b>
<b>E:</b> POE OIL
<b>Motor Type</b>
<b>T:</b> 3 Phase
<b>Motor Protection</b>
<b>F:</b> Internal Inherent Protection
<b>Voltage</b>
<b>D:</b> 60Hz (460-3) 50Hz (380/420-3)