



**EMERSON™**

**COMPRESSION TECHNOLOGY**  
**Product Specification**

**HERMETIC RECIPROCATING COMPRESSOR**  
**Model – CS10K7ME-PFZ-XXX**

Status – Preliminary

Design Engineering & Solutions Testing Center, Karad - India  
**Emerson Climate Technologies (India) Private Limited**

			ECN No	F45-1120-0132
Neha Thombare	Sunil Sutar	Mayur Nadgouda	Rev No / Date	A2 / 24.11.2020
Prepared By	Checked By	Approved By	Doc No–	CS10K7ME-PFZ-XXX

**CS10K7ME-PFZ-XXX**

R-404A, 50 Hz, 1 -Phase, 220-240 V

Medium Temperature

Production Status: Please check with your local Emerson Climate Technologies Representative for international availability.

**Performance**

**Mechanical**

<table border="1"> <tr><td>Evaporator Temp. (°F)</td><td>20</td></tr> <tr><td>Condensing Temp. (°F)</td><td>120</td></tr> <tr><td>Return Gas Temp. (°F)</td><td>40</td></tr> <tr><td>Liquid Temp. (°F)</td><td>120</td></tr> <tr><td>Capacity (Btu/hr)</td><td>8500</td></tr> <tr><td>Power (W):</td><td>1416</td></tr> <tr><td>Current (Amps)'</td><td>6.9</td></tr> <tr><td>EER (Btu/Wh):</td><td>6.0</td></tr> <tr><td>Mass Flow (lbs/hr):</td><td></td></tr> <tr><td colspan="2"><u>Sound Data :</u></td></tr> <tr><td>Sound Power (dBA):</td><td>74 Avg. 78 Max.</td></tr> <tr><td>Vibration mils (peak-peak):</td><td>3.5</td></tr> <tr><td>Record Date:</td><td>15-Sep-20</td></tr> </table>	Evaporator Temp. (°F)	20	Condensing Temp. (°F)	120	Return Gas Temp. (°F)	40	Liquid Temp. (°F)	120	Capacity (Btu/hr)	8500	Power (W):	1416	Current (Amps)'	6.9	EER (Btu/Wh):	6.0	Mass Flow (lbs/hr):		<u>Sound Data :</u>		Sound Power (dBA):	74 Avg. 78 Max.	Vibration mils (peak-peak):	3.5	Record Date:	15-Sep-20	<table border="1"> <tr><td>Displacement (in<sup>3</sup>/Rev):</td><td>2.49</td></tr> <tr><td>Displacement(ft<sup>3</sup>/hr):</td><td>259.38</td></tr> <tr><td>Overall Length (in):</td><td>10.68</td></tr> <tr><td>Overall Width (in):</td><td>9.54</td></tr> <tr><td>Overall Height (in):</td><td>14</td></tr> <tr><td>Mounting Length (in):</td><td>7.5</td></tr> <tr><td>Mounting Width (in):</td><td>7.5</td></tr> <tr><td>Mounting Height (in):</td><td>0.75</td></tr> <tr><td>Suction Size (in),Type:</td><td>1-1/4 SPUD</td></tr> <tr><td>Discharge Size (in),Type:</td><td>1 SPUD</td></tr> <tr><td>Initial Oil Charge (oz):</td><td>45</td></tr> <tr><td>Oil Recharge (oz)'</td><td>43</td></tr> <tr><td>Net Weight (lbs):</td><td>72</td></tr> <tr><td>Internal Free Volume (in<sup>3</sup>):</td><td>500</td></tr> <tr><td colspan="2">Horse Power:</td></tr> <tr><td colspan="2">'Overall compressor height on Copeland Brand Product's specified mounting grommets.</td></tr> </table>	Displacement (in <sup>3</sup> /Rev):	2.49	Displacement(ft <sup>3</sup> /hr):	259.38	Overall Length (in):	10.68	Overall Width (in):	9.54	Overall Height (in):	14	Mounting Length (in):	7.5	Mounting Width (in):	7.5	Mounting Height (in):	0.75	Suction Size (in),Type:	1-1/4 SPUD	Discharge Size (in),Type:	1 SPUD	Initial Oil Charge (oz):	45	Oil Recharge (oz)'	43	Net Weight (lbs):	72	Internal Free Volume (in <sup>3</sup> ):	500	Horse Power:		'Overall compressor height on Copeland Brand Product's specified mounting grommets.	
Evaporator Temp. (°F)	20																																																										
Condensing Temp. (°F)	120																																																										
Return Gas Temp. (°F)	40																																																										
Liquid Temp. (°F)	120																																																										
Capacity (Btu/hr)	8500																																																										
Power (W):	1416																																																										
Current (Amps)'	6.9																																																										
EER (Btu/Wh):	6.0																																																										
Mass Flow (lbs/hr):																																																											
<u>Sound Data :</u>																																																											
Sound Power (dBA):	74 Avg. 78 Max.																																																										
Vibration mils (peak-peak):	3.5																																																										
Record Date:	15-Sep-20																																																										
Displacement (in <sup>3</sup> /Rev):	2.49																																																										
Displacement(ft <sup>3</sup> /hr):	259.38																																																										
Overall Length (in):	10.68																																																										
Overall Width (in):	9.54																																																										
Overall Height (in):	14																																																										
Mounting Length (in):	7.5																																																										
Mounting Width (in):	7.5																																																										
Mounting Height (in):	0.75																																																										
Suction Size (in),Type:	1-1/4 SPUD																																																										
Discharge Size (in),Type:	1 SPUD																																																										
Initial Oil Charge (oz):	45																																																										
Oil Recharge (oz)'	43																																																										
Net Weight (lbs):	72																																																										
Internal Free Volume (in <sup>3</sup> ):	500																																																										
Horse Power:																																																											
'Overall compressor height on Copeland Brand Product's specified mounting grommets.																																																											
<b>Electrical</b>																																																											
<table border="1"> <tr><td>LRA-High" (Amp):</td><td>54</td></tr> <tr><td>LRA Low" (Amp):</td><td>NA</td></tr> <tr><td>LRA-Half Winding (Amp):</td><td>NA</td></tr> <tr><td>MCC (Amps)</td><td>13.5</td></tr> <tr><td>Max Operating Current(Amp):</td><td></td></tr> <tr><td>RLA, MCC/1.4:use for contactor selection (Amp):</td><td>9.6</td></tr> <tr><td>RLA, MCC/1.56:use for breaker &amp; wire size selection (Amp):</td><td>8.7</td></tr> <tr><td>RPM</td><td>2900</td></tr> <tr><td colspan="2">UL File No: NA</td></tr> <tr><td colspan="2">UL File Date: NA</td></tr> <tr><td colspan="2">'Low and High refer to the low and high nominal voltage ranges for which the motor is approved.</td></tr> </table>	LRA-High" (Amp):	54	LRA Low" (Amp):	NA	LRA-Half Winding (Amp):	NA	MCC (Amps)	13.5	Max Operating Current(Amp):		RLA, MCC/1.4:use for contactor selection (Amp):	9.6	RLA, MCC/1.56:use for breaker & wire size selection (Amp):	8.7	RPM	2900	UL File No: NA		UL File Date: NA		'Low and High refer to the low and high nominal voltage ranges for which the motor is approved.		<table border="1"> <tr><td colspan="6" style="text-align: center;"><b>Capacitors</b></td></tr> <tr> <th>Type</th> <th>Part NO</th> <th>Low MFD</th> <th>High MFD</th> <th>Volts</th> <th>User Description</th> </tr> <tr> <td>Start Capacitor</td> <td>Not Applicable</td> <td>80</td> <td>100</td> <td>230</td> <td></td> </tr> <tr> <td>Start Capacitor</td> <td colspan="5">Not Applicable</td> </tr> <tr> <td>Run Capacitor</td> <td>Not Applicable</td> <td></td> <td>36</td> <td>440</td> <td></td> </tr> </table>	<b>Capacitors</b>						Type	Part NO	Low MFD	High MFD	Volts	User Description	Start Capacitor	Not Applicable	80	100	230		Start Capacitor	Not Applicable					Run Capacitor	Not Applicable		36	440							
LRA-High" (Amp):	54																																																										
LRA Low" (Amp):	NA																																																										
LRA-Half Winding (Amp):	NA																																																										
MCC (Amps)	13.5																																																										
Max Operating Current(Amp):																																																											
RLA, MCC/1.4:use for contactor selection (Amp):	9.6																																																										
RLA, MCC/1.56:use for breaker & wire size selection (Amp):	8.7																																																										
RPM	2900																																																										
UL File No: NA																																																											
UL File Date: NA																																																											
'Low and High refer to the low and high nominal voltage ranges for which the motor is approved.																																																											
<b>Capacitors</b>																																																											
Type	Part NO	Low MFD	High MFD	Volts	User Description																																																						
Start Capacitor	Not Applicable	80	100	230																																																							
Start Capacitor	Not Applicable																																																										
Run Capacitor	Not Applicable		36	440																																																							

**Alternate Applications**

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>

**Rating Conditions**

40 °F Return Gas Temp  
 0 K Subcooling  
 95 °F Ambient Air Over

**High Temperature**

**CS10K7ME-PFZ**

**R404A**

Hermetic Reciprocating Compressor @ PFZ

220/240-1-50

Declared as 65 °F Return Gas

50 Hz Operation

Condensing Temperature °C (°F)  
 (Sat. Dew Pt. Pressure, psig)

Evaporating Temperature °F ( Sat. Dew Pt. Pressure, Psig)

	-31.1(-25)	-26.1(-15)	-23.3(-10)	-12.2(10)	-6.7 (20)	-1.1 (30)	1.7 (35)	5 (41)	7.25(45)
<b>60(140)</b>									
C			1278	3879	5457	7355	12751	14790	16829
P			981	1311	1479	1643	1976	2087	2199
A			4.8	6.4	7.2	8.0	9.7	10.2	10.7
M									
E			1.3	3.0	3.7	4.5	6.5	7.1	7.7
%									
<b>54.4(130)</b>									
C		1333	1907	4921	6871	9205	14741	16498	18255
P		892	980	1304	1454	1599	1844	1933	2022
A		4.4	4.8	6.4	7.1	7.8	9.0	9.4	9.9
M									
E		1.5	1.9	3.8	4.7	5.8	8.0	8.5	9.0
%									
<b>48.9(120)</b>									
C	945	2028	2777	6172	8500	11275	15872	17865	19858
P	708	891	977	1283	1416	1542	1767	1838	1909
A	3.5	4.4	4.8	6.3	6.9	7.5	8.6	9.0	9.3
M									
E	1.3	2.3	2.8	4.8	6.0	7.3	9.0	9.7	10.4
%									
<b>43.3(110)</b>									
C	1610	2825	3604	7579	10292	13514	18057	20294	22531
P	707	890	972	1250	1368	1478	1664	1717	1771
A	3.5	4.3	4.7	6.1	6.7	7.2	8.1	8.4	8.7
M									
E	2.3	3.2	3.7	6.1	7.5	9.1	10.9	11.8	12.7
%									
<b>37.8(100)</b>									
C	2323	3708	4522	9091	12195	15871	21292	23268	25244
P	709	881	958	1211	1314	1409	1544	1581	1652
A	3.5	4.3	4.7	5.9	6.4	6.9	7.5	7.7	8.1
M									
E	3.3	4.2	4.7	7.5	9.3	11.3	13.8	14.7	15.3
%									
<b>32.0(90)</b>									
C	3039	4555	5482	10656	14157	18293	23946	27212	30479
P	702	866	937	1167	1258	1338	1481	1528	1575
A	3.4	4.2	4.6	5.7	6.1	6.5	7.2	7.5	7.7
M									
E	4.3	5.3	5.9	9.1	11.3	13.7	16.2	17.8	19.4
%									
<b>26.7(80)</b>									
C	3774	5388	6430	12222	16127	20729	26625	30166	33708
P	691	846	913	1123	1202	1270	1429	1493	1530
A	3.4	4.1	4.5	5.5	5.9	6.2	7.0	7.3	7.5
M									
E	5.5	6.4	7.0	10.9	13.4	16.3	18.6	20.2	22.0
%									
<b>21.1(70)</b>									
C	4351	6155	7316	13739	18053	23128	29325	33124	36924
P	678	827	890	1083	1151	1208	1367	1421	1447
A	3.3	4.0	4.3	5.3	5.6	5.9	6.7	6.9	7.1
M									
E	6.4	7.4	8.2	12.7	15.7	19.1	21.5	23.3	25.5
%									

C: Capacity (Btu/hr), P: Power {W}, A: Current (Amps), M: Mass Flow (lb/hr), E: EER {Btu/Wh}, %: Isentropic Efficiency {%}

Nominal Performance Values (+5%) based on 72 hours run in. Subject to change without notice. Current @ 230V

**CS10K7ME-PFZ-XXX**

R-404A, 50 Hz, 1-Phase, 220-240 V  
High Temperature

Production Status: Available for Sale for All Customers. Please check with your local Emerson Climate Technologies Representative for international availability

**Electrical Components**

<b>Internal Protector</b>		
Part No:	15HM-1708-78	Usage Description
<u>Vendor Part Number</u>		<u>Vendor Name</u>
		T1

<b>Stator</b>			
Part No:			
Resistance:	7%	Start Wdg:	4.35
		Run Wdg:	1.57

<b>Potential</b>	
Part No:	Usage Description
<u>Vendor Part Number</u>	<u>Vendor Name</u>
HLR3800-3F3C-4	Hongli

<b>Start Capacitor</b>			
Part No:		Low MFD:	80.00
Type:		High MFD:	100.00
User Description:	High Torque	Volts:	230

<b>Start Capacitor</b>			
Part No:	NA	Low MFD :	
Type:		High MFD:	
User Description:	High Torque	Volts	

<b>Run Capacitor</b>			
Part No	NA	Low MFD:.	0.00
Type		High MFD:	36.00
User Description	High Torque	Volts:	440

**CS10K7ME-PFZ-XXX**

R-404A, 50 Hz, 1 -Phase, 220-240 V  
High Temperature

Production Status: Available for Sale for All Customers. Please check with your local Emerson Climate Technologies Representative for international availability

**Service Parts**

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
1	NA			
2	NA			
3	NA			

**CS10K7ME-PFZ-XXX**

R-404A, 50 Hz, 1-Phase, 220-240 V  
High Temperature

Production Status: Please check with your local Emerson Climate Technologies Representative for international availability

**Accessories**

<u>Category</u>	<u>Part Number</u>	<u>Description</u>
Crankcase Heater	018-0088-00	40 @ 240V
Electrical		
Miscellaneous		
Mounting		

**CS10K7ME-PFZ-XXX**

R-404A, 50 Hz, 1 -Phase, 220-240 V

Medium Temperature

**METRIC UNITS**

Production Status: Please check with your local Emerson Climate Technologies Representative for international availability.

**Performance**

**Mechanical**

<table style="width: 100%; border-collapse: collapse;"> <tr><td>Evaporator Temp. (°C)</td><td style="text-align: right;">-6.7</td></tr> <tr><td>Condensing Temp. (°C)</td><td style="text-align: right;">48.9</td></tr> <tr><td>Return Gas Temp. (°C)</td><td style="text-align: right;">4.4</td></tr> <tr><td>Liquid Temp. (°C)</td><td style="text-align: right;">48.9</td></tr> <tr><td>Capacity (W)</td><td style="text-align: right;">2491</td></tr> <tr><td>Power (W):</td><td style="text-align: right;">1416</td></tr> <tr><td>Current (Amps)'</td><td style="text-align: right;">6.9</td></tr> <tr><td>COP(W/W):</td><td style="text-align: right;">1.8</td></tr> <tr><td>Mass Flow (lbs/hr):</td><td></td></tr> <tr><td colspan="2"><u>Sound Data :</u></td></tr> <tr><td>Sound Power (dBA):</td><td style="text-align: right;">74 Avg.      78 Max.</td></tr> <tr><td>Vibration mils (peak-peak):</td><td style="text-align: right;">3.5</td></tr> <tr><td>Record Date:</td><td style="text-align: right;">15-Sep-20</td></tr> </table>	Evaporator Temp. (°C)	-6.7	Condensing Temp. (°C)	48.9	Return Gas Temp. (°C)	4.4	Liquid Temp. (°C)	48.9	Capacity (W)	2491	Power (W):	1416	Current (Amps)'	6.9	COP(W/W):	1.8	Mass Flow (lbs/hr):		<u>Sound Data :</u>		Sound Power (dBA):	74 Avg.      78 Max.	Vibration mils (peak-peak):	3.5	Record Date:	15-Sep-20	<table style="width: 100%; border-collapse: collapse;"> <tr><td>Displacement (cc/Rev):</td><td style="text-align: right;">40.8</td></tr> <tr><td>Displacement(m<sup>3</sup>/hr):</td><td style="text-align: right;">7.3</td></tr> <tr><td>Overall Length (mm):</td><td style="text-align: right;">271</td></tr> <tr><td>Overall Width (mm):</td><td style="text-align: right;">242</td></tr> <tr><td>Overall Height (mm):</td><td style="text-align: right;">356</td></tr> <tr><td>Mounting Length (mm):</td><td style="text-align: right;">191</td></tr> <tr><td>Mounting Width (mm):</td><td style="text-align: right;">191</td></tr> <tr><td>Mounting Height (mm):</td><td style="text-align: right;">19</td></tr> <tr><td>Suction Size (mm),Type:</td><td style="text-align: right;">32 SPUD</td></tr> <tr><td>Discharge Size (mm),Type:</td><td style="text-align: right;">25 SPUD</td></tr> <tr><td>Initial Oil Charge (ml):</td><td style="text-align: right;">1331</td></tr> <tr><td>Oil Recharge (ml):</td><td style="text-align: right;">1272</td></tr> <tr><td>Net Weight (Kg):</td><td style="text-align: right;">32.7</td></tr> <tr><td>Internal Free Volume (cm<sup>3</sup>):</td><td style="text-align: right;">8194</td></tr> <tr><td colspan="2">Horse Power:</td></tr> <tr><td colspan="2">'Overall compressor height on Copeland Brand Product's specified mounting grommets.</td></tr> </table>	Displacement (cc/Rev):	40.8	Displacement(m <sup>3</sup> /hr):	7.3	Overall Length (mm):	271	Overall Width (mm):	242	Overall Height (mm):	356	Mounting Length (mm):	191	Mounting Width (mm):	191	Mounting Height (mm):	19	Suction Size (mm),Type:	32 SPUD	Discharge Size (mm),Type:	25 SPUD	Initial Oil Charge (ml):	1331	Oil Recharge (ml):	1272	Net Weight (Kg):	32.7	Internal Free Volume (cm <sup>3</sup> ):	8194	Horse Power:		'Overall compressor height on Copeland Brand Product's specified mounting grommets.	
Evaporator Temp. (°C)	-6.7																																																										
Condensing Temp. (°C)	48.9																																																										
Return Gas Temp. (°C)	4.4																																																										
Liquid Temp. (°C)	48.9																																																										
Capacity (W)	2491																																																										
Power (W):	1416																																																										
Current (Amps)'	6.9																																																										
COP(W/W):	1.8																																																										
Mass Flow (lbs/hr):																																																											
<u>Sound Data :</u>																																																											
Sound Power (dBA):	74 Avg.      78 Max.																																																										
Vibration mils (peak-peak):	3.5																																																										
Record Date:	15-Sep-20																																																										
Displacement (cc/Rev):	40.8																																																										
Displacement(m <sup>3</sup> /hr):	7.3																																																										
Overall Length (mm):	271																																																										
Overall Width (mm):	242																																																										
Overall Height (mm):	356																																																										
Mounting Length (mm):	191																																																										
Mounting Width (mm):	191																																																										
Mounting Height (mm):	19																																																										
Suction Size (mm),Type:	32 SPUD																																																										
Discharge Size (mm),Type:	25 SPUD																																																										
Initial Oil Charge (ml):	1331																																																										
Oil Recharge (ml):	1272																																																										
Net Weight (Kg):	32.7																																																										
Internal Free Volume (cm <sup>3</sup> ):	8194																																																										
Horse Power:																																																											
'Overall compressor height on Copeland Brand Product's specified mounting grommets.																																																											
<p><b>Electrical</b></p>																																																											
<table style="width: 100%; border-collapse: collapse;"> <tr><td>LRA-High" (Amp):</td><td style="text-align: right;">54</td></tr> <tr><td>LRA Low" (Amp):</td><td style="text-align: right;">NA</td></tr> <tr><td>LRA-Half Winding (Amp):</td><td style="text-align: right;">NA</td></tr> <tr><td>MCC (Amps)</td><td style="text-align: right;">13.5</td></tr> <tr><td>Max Operating Current(Amp):</td><td></td></tr> <tr><td>RLA, MCC/1.4:use for contactor selection (Amp):</td><td style="text-align: right;">9.6</td></tr> <tr><td>RLA, MCC/1.56:use for breaker &amp; wire size selection (Amp):</td><td style="text-align: right;">8.7</td></tr> <tr><td>RPM</td><td style="text-align: right;">2900</td></tr> <tr><td colspan="2"> </td></tr> <tr><td>UL File No:</td><td style="text-align: right;">NA</td></tr> <tr><td>UL File Date:</td><td style="text-align: right;">NA</td></tr> <tr><td colspan="2">'Low and High refer to the low and high nominal voltage ranges for which the motor is approved.</td></tr> </table>	LRA-High" (Amp):	54	LRA Low" (Amp):	NA	LRA-Half Winding (Amp):	NA	MCC (Amps)	13.5	Max Operating Current(Amp):		RLA, MCC/1.4:use for contactor selection (Amp):	9.6	RLA, MCC/1.56:use for breaker & wire size selection (Amp):	8.7	RPM	2900			UL File No:	NA	UL File Date:	NA	'Low and High refer to the low and high nominal voltage ranges for which the motor is approved.		<p><b>Capacitors</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Type</u></th> <th style="text-align: left;"><u>Part NO</u></th> <th style="text-align: left;"><u>Low MFD</u></th> <th style="text-align: left;"><u>High MFD</u></th> <th style="text-align: left;"><u>Volts</u></th> <th style="text-align: left;"><u>User Description</u></th> </tr> </thead> <tbody> <tr> <td>Start Capacitor</td> <td>Not Applicable</td> <td>80</td> <td>100</td> <td>230</td> <td></td> </tr> <tr> <td>Start Capacitor</td> <td>Not Applicable</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Run Capacitor</td> <td>Not Applicable</td> <td></td> <td>36</td> <td>440</td> <td></td> </tr> </tbody> </table>	<u>Type</u>	<u>Part NO</u>	<u>Low MFD</u>	<u>High MFD</u>	<u>Volts</u>	<u>User Description</u>	Start Capacitor	Not Applicable	80	100	230		Start Capacitor	Not Applicable					Run Capacitor	Not Applicable		36	440											
LRA-High" (Amp):	54																																																										
LRA Low" (Amp):	NA																																																										
LRA-Half Winding (Amp):	NA																																																										
MCC (Amps)	13.5																																																										
Max Operating Current(Amp):																																																											
RLA, MCC/1.4:use for contactor selection (Amp):	9.6																																																										
RLA, MCC/1.56:use for breaker & wire size selection (Amp):	8.7																																																										
RPM	2900																																																										
UL File No:	NA																																																										
UL File Date:	NA																																																										
'Low and High refer to the low and high nominal voltage ranges for which the motor is approved.																																																											
<u>Type</u>	<u>Part NO</u>	<u>Low MFD</u>	<u>High MFD</u>	<u>Volts</u>	<u>User Description</u>																																																						
Start Capacitor	Not Applicable	80	100	230																																																							
Start Capacitor	Not Applicable																																																										
Run Capacitor	Not Applicable		36	440																																																							

**Alternate Applications**

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>

**Rating Conditions**

40 °F Return Gas Temp  
 0 K Subcooling  
 95 °F Ambient Air Over

**Medium Temperature**

**CS10K7ME-PFZ**

**R404A**

Hermetic Reciprocating Compressor @ PFZ

220/240-1-50

Declared as 65 °F Return Gas

50 Hz Operation

Condensing Temperature °C (°F)

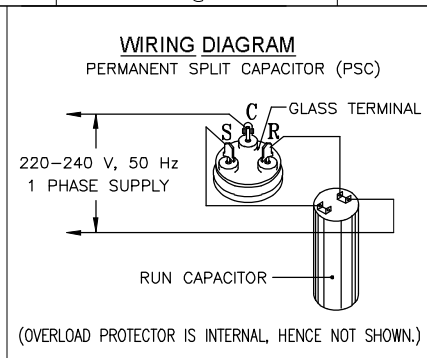
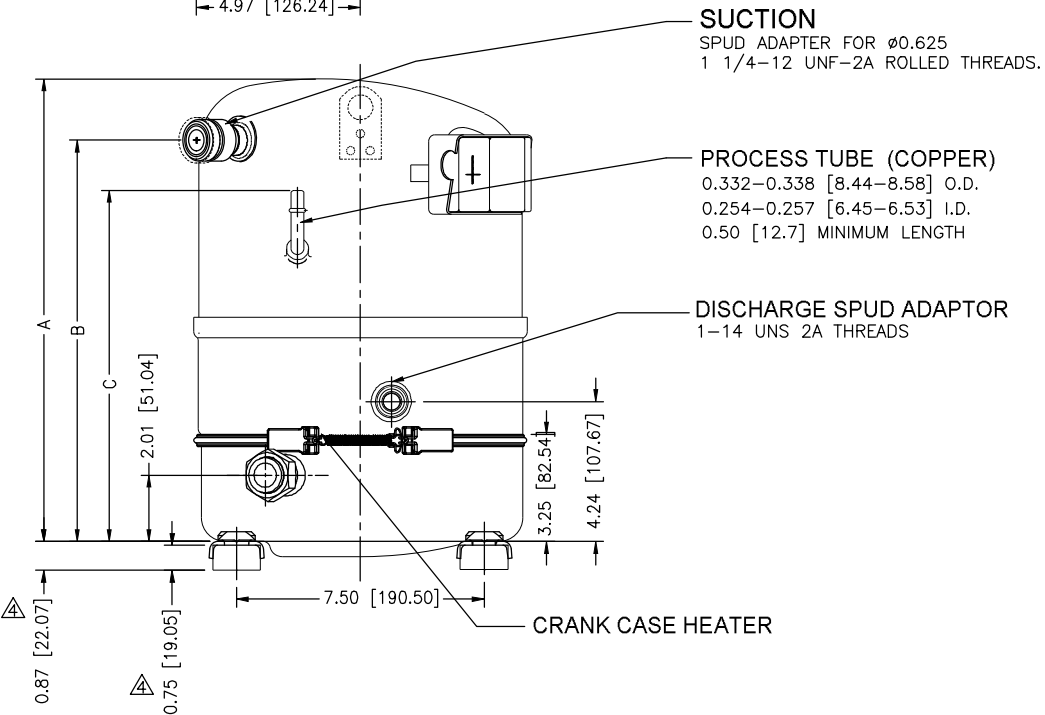
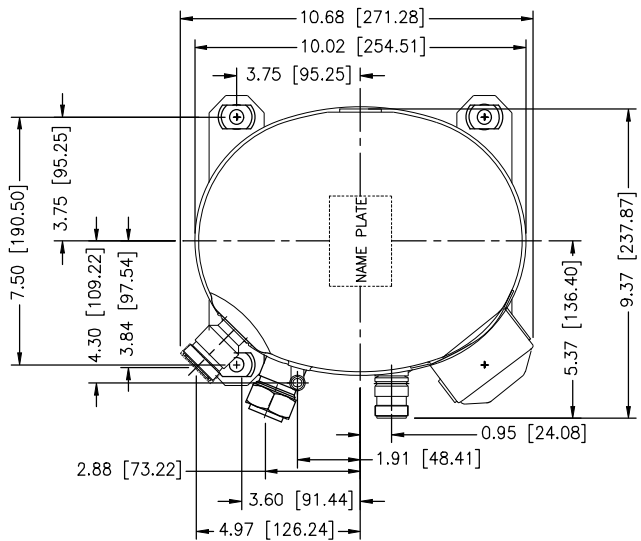
Evaporating Temperature °C (°F)

	-31.1(25)	-26.1(15)	-23.3(10)	-12.2(10)	-6.7 (20)	-1.1(30)	1.7(35)	5 (41)	7.2(45)
<b>60(140)</b>									
C	48.9		375	1137	1599	2156	3737	4335	4932
P	4.4		981	1311	1479	1643	1976	2087	2199
A	48.9		4.8	6.4	7.2	8.0	9.7	10.2	10.7
M			0.4	0.9	1.1	1.3	1.9	2.1	2.2
E									
%									
<b>54.4(130)</b>									
C		391	559	1442	2014	2698	4320	4835	5350
P		892	980	1304	1454	1599	1844	1933	2022
A		4.4	4.8	6.4	7.1	7.8	9.0	9.4	9.9
M		0.4	0.6	1.1	1.4	1.7	2.3	2.5	2.6
E									
%									
<b>48.9(120)</b>									
C	277	594	814	1809	2491	3304	4652	5236	5820
P	708	891	977	1283	1416	1542	1767	1838	1909
A	3.5	4.4	4.8	6.3	6.9	7.5	8.6	9.0	9.3
M	0.4	0.7	0.8	1.4	1.8	2.1	2.6	2.8	3.0
E									
%									
<b>43.3(110)</b>									
C	472	828	1056	2221	3016	3961	5292	5948	6603
P	707	890	972	1250	1368	1478	1664	1717	1771
A	3.5	4.3	4.7	6.1	6.7	7.2	8.1	8.4	8.7
M	0.7	0.9	1.1	1.8	2.2	2.7	3.2	3.5	3.7
E									
%									
<b>37.8(100)</b>									
C	681	1087	1325	2664	3574	4651	6240	6819	7398
P	709	881	958	1211	1314	1409	1544	1581	1652
A	3.5	4.3	4.7	5.9	6.4	6.9	7.5	7.7	8.1
M	1.0	1.2	1.4	2.2	2.7	3.3	4.0	4.3	4.5
E									
%									
<b>32.0(90)</b>									
C	891	1335	1607	3123	4149	5361	7018	7975	8932
P	702	866	937	1167	1258	1338	1481	1528	1575
A	3.4	4.2	4.6	5.7	6.1	6.5	7.2	7.5	7.7
M	1.3	1.5	1.7	2.7	3.3	4.0	4.7	5.2	5.7
E									
%									
<b>26.7(80)</b>									
C	1106	1579	1884	3582	4726	6075	7803	8841	9879
P	691	846	913	1123	1202	1270	1429	1493	1530
A	3.4	4.1	4.5	5.5	5.9	6.2	7.0	7.3	7.5
M	1.6	1.9	2.1	3.2	3.9	4.8	5.5	5.9	6.5
E									
%									
<b>21.1(70)</b>									
C	1275	1804	2144	4027	5291	6778	8594	9708	10821
P	678	827	890	1083	1151	1208	1367	1421	1447
A	3.3	4.0	4.3	5.3	5.6	5.9	6.7	6.9	7.1
M	1.9	2.2	2.4	3.7	4.6	5.6	6.3	6.8	7.5
E									
%									

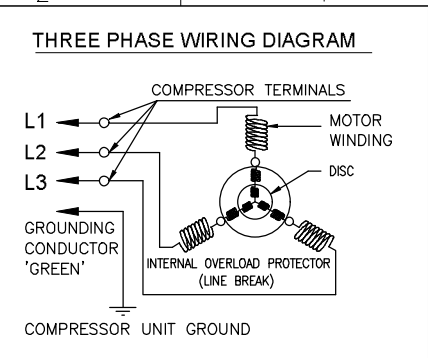
C: Capacity (W), P: Power (W), A: Current (Amps), M: Mass Flow (lb/hr), E: EER (W/W), %: Isentropic Efficiency (%)

Nominal Performance Values (+5%) based on 72 hours run in. Subject to change without notice. Current @ 230V





VIEW 'P'



VIEW 'Q'

- NOTES :**
1. FOOT MOUNTING BOLT TORQUE SHOULD NOT EXCEED 12 lb-ft (16.27 N-m).
  2. COMPRESSOR COLOUR - BLACK.
  3. BRACKETED DIMENSIONS ARE IN mm.
  4. RUBBER GROMMET MAY COMPRESS BY 0.075 [1.91] ±0.025 [0.63] APPROXIMATELY DUE TO COMPRESSOR WEIGHT. THE RELATED DIMENSIONS MAY VARY ACCORDINGLY.
  5. FOR PERFORMANCE DETAILS, REFER PRODUCT SPECIFICATION.

**GUIDELINES FOR HANDLING AND DISPOSAL OF PRODUCTS :**

1. HANDLE PRODUCT WITH CARE AND IN UPRIGHT POSITION TO AVOID SPILLAGE OF COMPRESSOR OIL.
2. DISPOSE OFF RUBBER TUBE PLUGS THROUGH GOVERNMENT AUTHORIZED SCRAP CENTERS.
3. IF PRODUCT IS TO BE DISPOSED OFF THEN, PLEASE DO IT THROUGH GOVERNMENT AUTHORISED SCRAP CENTERS.

PRELIMINARY

	<small>INTERPRET PER ASME Y14.5M-1994 AND EMERSON DESIGN STANDARDS DS2002</small> <b>DO NOT SCALE DRAWING</b>		<small>CONFIDENTIALITY NOTICE</small> THIS DRAWING AND INFORMATION CONTAINED HEREIN ARE THE EXCLUSIVE PROPERTY OF EMERSON CLIMATE TECHNOLOGIES, INC. AND/OR ITS AFFILIATES COLLECTIVELY EMERSON AND SHALL BE RETURNED UPON DEMAND AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART, DISCLOSED TO ANYONE ELSE OR USED, WITHOUT THE WRITTEN CONSENT OF EMERSON.		
	<small>CRITICAL PRODUCT CHARACTERISTIC</small> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE INCH OR [MILLIMETER] TOLERANCES: 2-PLACE ± 0.005 3-PLACE ± 0.005 ANGULAR ± 0.3°	<small>DATE</small> 10.10.2020	<small>SCALE</small> 1:2	<small>DATE FORMAT</small> MM-DD-YY	<small>SHEET</small> 1 OF 2
	<small>TITLE</small> REF DWG-WELD COMP ASSM		<small>DRAWING NUMBER</small> T012-497-A033-00		<small>DWG SIZE</small> 4

COPYRIGHT EMERSON - CONFIDENTIAL

8	7	6	5	4	3	2	1
MODEL	TOTAL HEIGHT 'A'	SUCTION HEIGHT 'B'	PROCESS HEIGHT 'C'	WIRING DIAGRAM	CRANKCASE HEATER		
CS10K7ME-PFZ-137	13.00	11.15	11.77	VIEW 'P'	40@ 240		
CS10K7ME-TFM-13A	13.24	11.38	10.25	VIEW 'Q'	40@ 240		
CS13K7ME-PFZ-137	13.75	11.90	10.52	VIEW 'P'	40@ 240		
CS13K7ME-TFM-13A	13.24	11.38	10.25	VIEW 'Q'	40@ 240		
CS17K7ME-PFZ-137	13.75	11.90	10.52	VIEW 'P'	40@ 240		
CS17K7ME-TFM-13A	13.50	11.65	10.52	VIEW 'Q'	40@ 240		
CS20K7ME-PFZ-137	14.26	12.40	12.87	VIEW 'P'	40@ 240		
CS20K7ME-TFM-13A	14.00	12.15	10.52	VIEW 'Q'	40@ 240		

PRELIMINARY



INTERPRET PER ASME  
Y14.5M-1994 AND  
EMERSON DESIGN  
STANDARDS DS3002

DO NOT SCALE DRAWING

CRITICAL PRODUCT CHARACTERISTIC

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE INCH OR (MILLIMETER)

TOLERANCES:  
2-PLACE ± 0.005  
3-PLACE ± 0.005  
ANGULAR ± 0.3°

ECN	2	DRAWING UPDATED.	10.29.20	DVM	MMN
ECN	1	MODEL NAME UPDATED.	10.14.20	DVM	MMN
ECN	0	RELEASED	10.10.20	DVM	MMN
ENG NOTICE NO.	REV.NO.	REVISIONS	DATE	BY	CHKD
35		CONFIDENTIALITY NOTICE THIS DRAWING AND INFORMATION CONTAINED HEREIN ARE THE EXCLUSIVE PROPERTY OF EMERSON CLIMATE TECHNOLOGIES, INC. AND/OR ITS AFFILIATES (COLLECTIVELY "EMERSON") AND SHALL BE RETURNED UPON DEMAND AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART, DISCLOSED TO ANYONE ELSE OR USED, WITHOUT THE WRITTEN CONSENT OF EMERSON.			
MATERIAL SPECIFICATION		DRAWN BY	SUPERSEDES DWG. NO. / REV. NO.		
		DVM	----		
		DATE	SCALE	DATE	FORMAT
		10.10.2020	1:2		MM-DD-YY
TITLE			DRAWING NUMBER	SHEET 1 OF 1	DWG SIZE
REF DWG-WELD COMP ASSM			T012-497-A033-00	4	4

UNCONTROLLED COPY - DO NOT MODIFY

© COPYRIGHT EMERSON | CONFIDENTIAL