



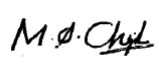
COPELAND

COMPRESSION TECHNOLOGY Product Specification

HERMETIC RECIPROCATING COMPRESSOR **Model – CS14K6ME-TF5-XXXXX**

Status – Preliminary

Design Engineering & Solutions Testing Center, Karad - India
Copeland India Private Ltd.

			ECN No	F45-1020-0117
Dipika Mane	Abhijit Kulkarni	Manoj Chiplunkar	Rev No / Date	A1 / 30.10.2020
Prepared By	Checked By	Approved By	Doc No– CS14K6ME-TF5-XXXXX	

CS14K6ME-TF5

R-404A, 60 Hz, 3 -Phase, 200-230 V

Extended Medium Temp

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

Performance

Mechanical

Evaporator Temp. (°F)	20	-10	Displacement (in ³ /Rev):	3.141												
Condensing Temp. (°F)	120	120	Displacement(ft ³ /hr):	392.5												
Return Gas Temp. (°F)	40	40	Overall Length (in):	10.56												
Liquid Temp. (°F)	120	120	Overall Width (in):	9.34												
Capacity (Btu/hr)	13900		Overall Height (in):	13.68												
Power (W):	2200		Mounting Length (in):	7.50												
Current (Amps)'	6.9		Mounting Width (in):	7.50												
EER (Btu/Wh):	6.3		Mounting Height (in):	12.81												
Mass Flow (lbs/hr):			Suction Size (in),Type:	1 1/4 SPUD												
<u>Sound Data :</u>			Discharge Size (in),Type:	1 - 1/4 SPUD												
Sound Power (dBA):	82 Max		Initial Oil Charge (oz):	45												
Vibration mils (peak-peak):	4 Max		Oil Recharge (oz)'	43												
Record Date:			Net Weight (lbs):	65												
			Internal Free Volume (in ³):													
Electrical			Horse Power:													
LRA-High"(Amp):		53.0	'Overall compressor height on Copeland Brand Product's specified mounting grommets.													
LRA Low" (Amp):																
LRA-Half Winding (Amp):																
MCC (Amps)		14.3														
Max Operating Current(Amp):		11.4														
RLA, MCC/1.4:use for contactor selection (Amp):		10.2														
RLA, MCC/1.56: use for breaker & wire size selection (Amp):		9.2														
RPM																
UL File No:																
UL File Date:																
'Low and High refer to the low and high nominal voltage ranges for which the motor is approved.																
			Capacitors													
			<table border="1"> <thead> <tr> <th>Type</th> <th>Part NO</th> <th>Low MFD</th> <th>High MFD</th> <th>Volts</th> <th>User Description</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		Type	Part NO	Low MFD	High MFD	Volts	User Description						
Type	Part NO	Low MFD	High MFD	Volts	User Description											

Alternate Applications

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

CS14K6ME-TF5

R-404A, 50 Hz, 3 -Phase, 200-240 V

Extended Medium Temp

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

Performance

Mechanical

Evaporator Temp. (°F)	20	-10	Displacement (in ³ /Rev):	3.141												
Condensing Temp. (°F)	120	120	Displacement(ft ³ /hr):													
Return Gas Temp. (°F)	40	40	Overall Length (in):	10.56												
Liquid Temp. (°F)	120	120	Overall Width (in):	9.34												
Capacity (Btu/hr)	11600		Overall Height (in):	13.68*												
Power (W):	1850		Mounting Length (in):	7.50												
Current (Amps)'	7.2		Mounting Width (in):	7.50												
EER (Btu/Wh):	6.3		Mounting Height (in):	12.81												
Mass Flow (lbs/hr):			Suction Size (in),Type:	1 1/4 SPUD												
<u>Sound Data :</u>			Discharge Size (in),Type:	1 - 1/4 SPUD												
Sound Power (dBA):	82 Max		Initial Oil Charge (oz):	45												
Vibration mils (peak-peak):	4 Max		Oil Recharge (oz)'	43												
Record Date:			Net Weight (lbs):	65												
			Internal Free Volume (in ³):													
Electrical			Horse Power:													
LRA-High"(Amp):		56.0	'Overall compressor height on Copeland Brand Product's specified mounting grommets.													
LRA Low" (Amp):																
LRA-Half Winding (Amp):																
MCC (Amps)		13.5														
Max Operating Current(Amp):		10.8														
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																
UL File No:																
UL File Date:																
'Low and High refer to the low and high nominal voltage ranges for which the motor is approved.																
			Capacitors													
			<table border="1"> <thead> <tr> <th>Type</th> <th>Part NO</th> <th>Low MFD</th> <th>High MFD</th> <th>Volts</th> <th>User Description</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		Type	Part NO	Low MFD	High MFD	Volts	User Description						
Type	Part NO	Low MFD	High MFD	Volts	User Description											

Alternate Applications

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

CS14K6ME-TF5

R-404A, 60 Hz, 3-Phase, 200-230 V
Extended Medium Temp

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

Electrical Components

Internal Protector		
Part No:	071-0699-05	Usage Description
<u>Vendor Part Number</u>		<u>Vendor Name</u>
37HM416-14		Sensata

Stator			
Part No:	546-1420-17		
Resistance:	± 10%	Line to Line:	1.855
		Line to Wey:	0.00

Potential		
Part No:	--	Usage Description
<u>Vendor Part Number</u>		<u>Vendor Name</u>
=		=

Start Capacitor			
Part No:	--	Low MFD:	--
Type:	Start Capacitor	High MFD:	--
User Description:	High Torque	Volts:	--

Start Capacitor			
Part No:	--	Low MFD :	--
Type:	Start Capacitor	High MFD:	--
User Description:	High Torque	Volts	--

Run Capacitor			
Part No	--	Low MFD:	--
Type	Run Capacitor	High MFD:	--
User Description	High Torque	Volts:	--

CS14K6ME-TF5

R-404A, 50 Hz, 3-Phase, 200-240 V
Extended Medium Temp

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

Electrical Components

Internal Protector		
Part No:	071-0699-05	Usage Description
<u>Vendor Part Number</u>		<u>Vendor Name</u>
37HM416-14		Sensata

Stator			
Part No:	546-1420-17		
Resistance:	± 10%	Line to Line:	1.855
		Line to Wey:	0.00

Potential		
Part No:	--	Usage Description
<u>Vendor Part Number</u>		<u>Vendor Name</u>
=		=

Start Capacitor			
Part No:	--	Low MFD:	--
Type:	Start Capacitor	High MFD:	--
User Description:	High Torque	Volts:	--

Start Capacitor			
Part No:	--	Low MFD :	--
Type:	Start Capacitor	High MFD:	--
User Description:	High Torque	Volts	--

Run Capacitor			
Part No	--	Low MFD:	--
Type	Run Capacitor	High MFD:	--
User Description	High Torque	Volts:	--

CS14K6ME-TF5

R-404A, 60 Hz, 3 -Phase, 200-230 V
Extended Medium Temp

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

Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
1	005-1675-00	1	COVER-TERMINAL BOX	-
2	020-1711-01	1	GASKET-COVER TERMINAL	-
3	100-0734-00	1	SCREW-EARTHING	-
4	018-0088-00	1	HEATER- CRANKCASE	-

CS14K6ME-TF5

R-404A, 50 Hz, 3 -Phase, 200-240 V
High Temperature

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

Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
1	005-1675-00	1	COVER-TERMINAL BOX	-
2	020-1711-01	1	GASKET-COVER TERMINAL	-
3	100-0734-00	1	SCREW-EARTHING	-
4	018-0088-00	1	HEATER- CRANKCASE	-

CS14K6ME-TF5

R-404A, 60 Hz, 3 -Phase, 200-230 V

Extended Medium Temp

Production Status:

Please check with your local Copeland Representative for international availability.

Accessories

<u>Category</u>	<u>Part Number</u>	<u>Description</u>
Crankcase Heater	018-0088-00	Crankcase Heater, 240/265V, 40W, EHP Flexible
	--	--
	--	--
	--	--
Electrical	--	--
Miscellaneous	--	--
	--	--
Mounting	027-0481-00	Spacer Mounting
	028-2647-06	Grommet Sleeve

CS14K6ME-TF5

R-404A, 50 Hz, 3 -Phase, 200-240 V

Extended Medium Temp

Production Status: Please check with your local Copeland Representative for international availability.

Accessories

<u>Category</u>	<u>Part Number</u>	<u>Description</u>
Crankcase Heater	018-0088-00	Crankcase Heater, 240/265V, 40W, EHP Flexible
	--	--
	--	--
	--	--
Electrical	--	--
Miscellaneous	--	--
	--	--
Mounting	027-0481-00	Spacer Mounting
	028-2647-06	Grommet Sleeve