

# India CS CF Platform Nomenclature

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May 2020

# India “CS” Products Nomenclature Chart

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**C S 1 0 K 6 M E – P F Z – 1 3 2**

Section 1

Section 2

- This Is A Typical Model Name
- It Is In Two Sections
- Section 1 : Represents Capacity & Version
- Section 2 : Represents Electricals & Features
- Next Two Slides Explains Each Section Separately For Details

**CS India Product Declaration Is @ ARI Test Conditions**

# India “C” Products Nomenclature Chart : Section 1

**C** **S** **1 0 K 6 M E** – P F Z – 1 3 2

**Compressor Family Series**

C : Hermetic Reciprocating

**Refrigerant**

S : MBP R404A, R134a  
F : LBP R404A

**Cooling Capacity**

XX : First Two Digits of  
Nominal Capacity Btu/h  
@ 60 Hz  
K : 1000 Multiplier

**C** **S** **1 0 K 6 M E**

**Model Family Variations**

6 ,7,8 – Next Gen (Energy)  
Q - Body Base

**Identifier**

M : Optimized Design

**Oil Type**

E : POE Oil

# India “C” Products Nomenclature Chart : Section 2

C S 1 0 K 6 M E – P F Z – 1 3 2

**Electrical Codes**

Code	50Hz	60Hz
V	200-220V	208-230V
Z	220-240V	
D	380-420V	460V
M	380-420V	
5	200-240V	200-230V
1	230V	
E	500V	575V

**Motor Type**

P : Single Phase Permanent Split Capacitor  
 T : Three Phase

**Motor Protection Type**

F : Inherent Internal Protection (Use With Single Or Three Phase Contactor)

**Bill Of Material (BoM) Suffix**

P F Z – 1 3 2

	Heater	Starting Kit
1	No Heater	No
2	1 Ph. Heater	No
3	3 Ph. Heater	No
4	No Heater	Yes
5	1 Ph. Heater	Yes
6	3 Ph. Heater	Yes

	Suction	Discharge	Process
0	Upward	Tube	Upward
1	Stub Tube	Tube	Upward
2	Stub Tube	Tube	Other
3	Spud	Spud	Upward
4	Upward	Tube	Inclined outwards
5	Angular	Tube	Inclined outwards

	Mounting	Mounting kit	Terminal fence
1	Long leg	Standard	Standard
2	Long leg	Standard	Rectangular
3	Short leg	Standard	Standard
4	3 leg	Standard	Standard
5	Short leg	Other	Standard
6	3 leg modified	Other	Standard

# Motor Specifications

Motor Code	Phase	50Hz Rated Voltage	60Hz Rated Voltage
PFV	1 Ph	200-220V	208-230V
PFZ	1 Ph	220-240V	----
TFM	3 Ph	380-420V	----
TFD	3 Ph	380-420V	460V
TF5	3 Ph	200-240V	200-230V

Motor Code V, D And 5 Are Dual Frequency Models

# India CS CF Platform Models – Released SKUs

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# Performance Data Medium Temp R404A

## ARI Test Condition – Final Released With Certification

Phase	Model Name	Displacement	Performance @ 50hz			Performance @ 60hz		
			Test Point 20/120/40/120 °F			Test Point 20/120/40/120 °F		
		Capacity	Power	EER	Capacity	Power	EER	
		CC	Btu/Hr	Watt	Btu/Watt-Hr	Btu/Hr	Watt	Btu/Watt-Hr
1 Ph	CS10K6ME-PFZ-135	40.8	8500	1416	6.00	--	--	--
	CS11K6ME-PFZ-135	44.28	9650	1610	5.99	--	--	--
	CS13K6ME-PFZ-135	51.47	11600	1910	6.07	--	--	--
	CS16K6ME-PFZ-135	57.7	13790	2260	6.10	--	--	--
	CS17K6ME-PFZ-135	59.65	14400	2295	6.27	--	--	--
	CS20K6ME-PFZ-135	72.08	16510	2625	6.29	--	--	--
	CS25KQME-PFZ-135	82.74	19950	3215	6.21	--	--	--
3 Ph	CS10K6ME-TFM-132	40.8	8450	1380	6.12	--	--	--
	CS11K6ME-TFD-132	44.28	9200	1475	6.24	11009	1776	6.20
	CS13K6ME-TFM-132	51.47	11590	1815	6.39	--	--	--
	CS17K6ME-TFM-132	59.65	14015	2150	6.52	--	--	--
	CS20K6ME-TFM-132	72.08	16100	2520	6.39	--	--	--
	CS20K6ME-TFD-132	72.08	16100	2520	6.39	19357	3006	6.44
	CS24KQME-TFD-233	78.78	18415	2970	6.20	22340	3445	6.48
	CS27KQME-TFD-233	88.28	22210	3425	6.48	26300	4175	6.30
	CS30KQME-TFD-233	94.61	24350	3750	6.49	27934	4353	6.42
	CS33KQME-TFD-233	101.92	27469	4300	6.39	31435	4846	6.49

All Models Released With Rota Lock Version

# Performance Data Medium Temp R404A

ARI Test Condition – *Limited Released* – Certification Not Ready

Phase	Model Name	Displacement	Performance @ 50hz			Performance @ 60hz		
			Test Point 20/120/40/120 °F			Test Point 20/120/40/120 °F		
		Capacity	Power	EER	Capacity	Power	EER	
		CC	Btu/Hr	Watt	Btu/Watt-Hr	Btu/Hr	Watt	Btu/Watt-Hr
1 Ph	CS10K6ME-PFV-135	40.8	8590	1430	6.01	9800	1615	6.07
	CS12K6ME-PFV-135	45.11	9600	1540	6.23	11900	1875	6.35
	CS14K6ME-PFV-135	51.47	11600	1825	6.36	14100	2290	6.16
	CS20K6ME-PFV-135	72.08	16800	2710	6.20	19500	3070	6.35
3 Ph	CS27KQME-TF5-233	88.28	22900	3710	6.17	26400	4130	6.39
	CS33KQME-TF5-233	101.92	27200	4230	6.43	31300	4810	6.51

Limited Released Models With Rota lock Version– Certification Not Ready



# Performance Data Low Temp R404A

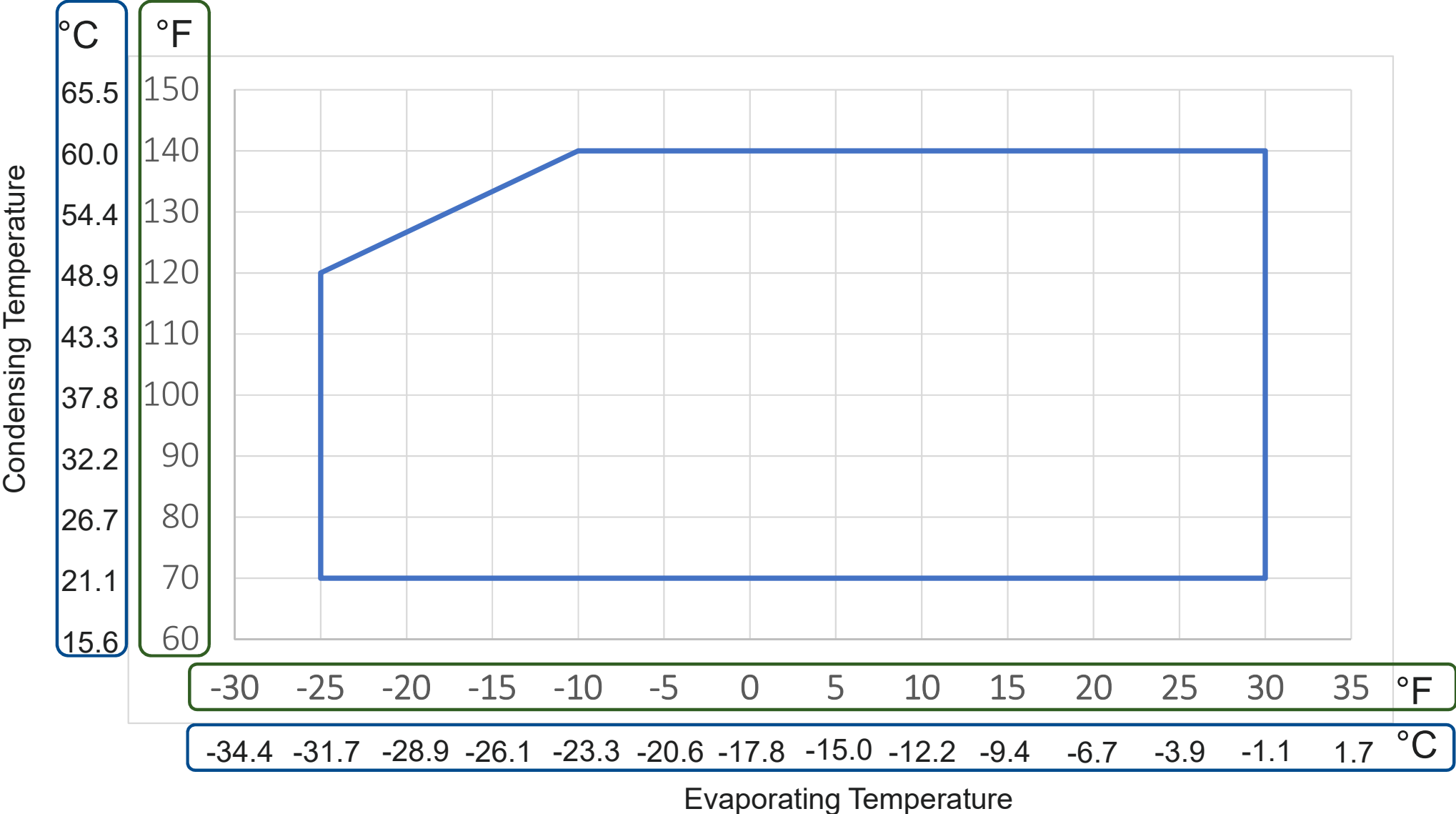
ARI Test Condition – *Limited Released* – Certification Not Ready

Phase	Model Name	Displacement	Performance @ 50hz		
			Test Point -10/120/40/120 °F		
		Capacity	Power	EER	
		CC	Btu/Hr	Watt	Btu/Watt-Hr
<b>1 Ph</b>	<b>CF05K6ME-PFZ-135</b>	<b>51.47</b>	<b>5200</b>	<b>1400</b>	<b>3.7</b>
<b>3 Ph</b>	<b>CF05K6ME-TFM-132</b>	<b>51.47</b>	<b>5200</b>	<b>1380</b>	<b>3.8</b>
	<b>CF10K6ME-TFM-132</b>	<b>82.74</b>	<b>9300</b>	<b>2330</b>	<b>4.0</b>

Limited Released Models With Rota lock Version– Certification Not Ready

# Operating Envelope

## R404A, Medium Temp. Application



# Operating Envelope

## R404A, Low Temp. Application

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