EMERSON Climate Technologies

Marketing

BULLETIN

NO: **2015010023**
DATE: **November 1, 2015**
TO: Middle East And Africa Wholesalers/Distributors
FROM: Emerson Climate Technologies
SUBJECT: **Obsolescence of CK Model Reciprocating Compressors**

Emerson Climate Technologies Inc. is announcing the complete phase-out of the current CK model platform produced in Atit, India. All customers currently buying these models will be transitioned to the higher efficiency CR models as a drop-in replacement for CK. Please see Table 1 for a CK to CR cross reference guide.

Depending on the model, customers will realize 7-13% higher efficiency by transitioning to CR models wherein many of the current bill of material options will remain the same (see Table 2). CR models will serve as drop-in replacements for CK with similar mounting and connection points. Please see Figure 1 for drawings and dimensions comparing a CK model to a CR model.

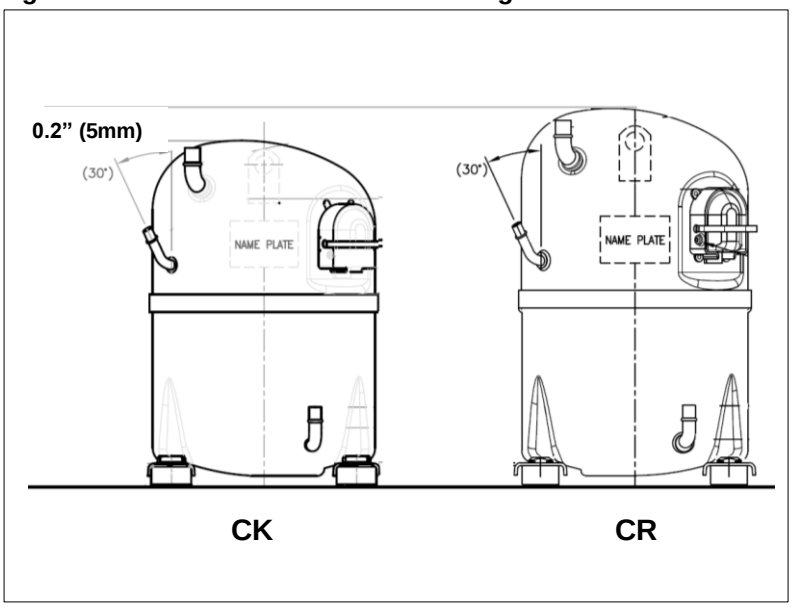
The following outlines the key dates for the phase-out transition:

- Date of last order acceptace: December 31, 2015
- Date of last shipment: March 31, 2016

Table 1: CK to CR Cross Reference

CK Model	Frequency	Capacity (Btu/Hr) ARI	EER (Btu/W-Hr) ARI	CK Equivalent CR Model	Capacity (Btu/Hr) ARI	EER (Btu/W-Hr) ARI
CK20K3-PFV-201	60 Hz	20,000	9.35	CR20K6M-PFV-341	20,000	10.00
CK20K3-PFV-601	60Hz	20,000	9.35	CR20K6M-PFV-441	20,000	10.00
CK20K3-PFV-611	60Hz	20,000	9.35	CR20K6M-PFV-651	20,000	10.00
CK22K3-PF1-121	50Hz	17,875	9.29	CR22K6M-PF1-141	18,500	10.30
CK24K3-PFZ-101	50Hz	19,800	9.43	CR24K6M-PFZ-141	19,800	10.15
CK24K3-PFZ-201	50Hz	19,800	9.43	CR24K6M-PFZ-341	19,800	10.15
CK24K3-PFZ-601	50Hz	19,800	9.43	CR24K6M-PFZ-441	19,800	10.15
CK24K3-PFZ-611	50Hz	19,800	9.43	CR24K6M-PFZ-651	19,800	10.15
CK24K3-PFZ-633	50Hz	19,800	9.43	CR24K6M-PFZ-621	19,800	10.15
CK25K3-PFV-101	60 Hz	25,500	9.17	CR27K6M-PFV-141	27,100	10.20
CK25K3-PFV-232	60 Hz	25,500	9.17	CR27K6M-PFV-301	27,100	10.20
CK27K3-PFV-201	60Hz	26,500	9.14	CR27K6M-PFV-341	27,100	10.20
CK27K3-PFV-601	60Hz	26,500	9.14	CR27K6M-PFV-441	27,100	10.20
CK27K3-PFV-611	60Hz	26,500	9.14	CR27K6M-PFV-651	27,100	10.20
CK30K3-PFZ-101	50Hz	24,500	9.15	CR30K6M-PF1-141	24,250	10.32
CK30K3-PFZ-201	50Hz	24,500	9.15	CR30K6M-PF1-341	24,250	10.32
CK30K3-PFZ-601	50Hz	24,500	9.15	CR30K6M-PF1-441	24,250	10.32
CK30K3-PFZ-611	50Hz	24,500	9.15	CR30K6M-PF1-651	24,250	10.32
CK32K3-PFZ-101	50Hz	26,500	8.98	CR32K6M-PFZ-141	27,200	10.00
CK32K3-PFZ-201	50Hz	26,500	8.98	CR32K6M-PFZ-341	27,200	10.00

Figure 1: CK and CR Reference Drawings



CR Key Notes

- No change to Stub locations
- Same mounting configurations
- Same Stub tube options with dimensions & angles
- Height increase by 0.2" (5mm)

Table 2: Bill of Material Options

CK BOM	New CR BOM	Leg Configuration (Inches)	Suction Tube	Service Tube	Discharge Tube
101 Or 121	141	7.5x7.5 (Long 4 Leg)	Straight Up	Inclined Outwards	Straight Up
201	341	8x4.8 (Short 4 Leg)	Straight Up	Inclined Outwards	Straight Up
232	301	8x4.8 (Short 4 Leg)	Straight Up	Straight Up	Straight Up
601	441	8.44x9.75 (Std 3 Leg)	Straight Up	Inclined Outwards	Straight Up
611	651	8.44x9.75 (Tilted 3 Leg)	Inclined	Inclined Outwards	Inclined
633	621	8.44x9.75 (Tilted 3 Leg)	Inclined	Inclined	Straight Up

If you require additional information, please contact your Emerson Climate Technologies Inc. Sales Manager or Application Engineer.