



N Series (1/4 to 3 tons)

- ◆ Low Profile coolers, Ice Machines, Beverage Dispensers



H(C)E Series (3/4 to 5 tons)

- ◆ Air Conditioning, Heat Pumps
- ◆ Balanced Port



C(E) Series (1/6 to 8 tons)

- ◆ Refrigeration, Supermarket, AC
- ◆ Balanced Port



EC(E) Series (1/6 to 15 tons)

- ◆ Refrigeration, Supermarket, AC
- ◆ Balanced Port



SC(E) Series (1/8 to 6 tons)

- ◆ Refrigeration, Supermarket, AC
- ◆ Balanced Port



OE Series (15 to 70 tons)

- ◆ AC, Chillers, Refrigeration
- ◆ Balanced Port



EBSE Series (5 to 20 tons)

- ◆ AC, Chillers, Refrigeration
- ◆ Balanced Port

Valve models C(E), EC(E), & SC(E) (Capacity Range in Tons)

Orifice	R-12 / R-134A	R-404A / R-507	R-22 / R-407C	R-410A
AAA*	N/A	1/8 to 1/6	1/6 to 1/3	N/A
AA	1/6 to 1/4	1/6 to 1/4	1/3 to 1/2	1/3 to 1/2
A	1/2 to 1	1/2 to 1	3/4 to 1½	3/4 to 1½
B	1 to 2	1 to 2	1½ to 3	1½ to 3
C	2 to 3	2 to 3½	3 to 5	3 to 5
D	3 to 5	3½ to 6	5 to 8	5 to 8

* Available in SC(E) models only



Thermal Bulb Charges

Models	Application	Evaporator Range	R-22, R-407C	R-12, R-134a	R-502, R-404A	R-410A
N, C(E), EC(E), SC(E), EBSE, OE	Refrigeration	-40°F to 0°F	VZ	-	SZ	-
N, C(E), EC(E), SC(E), EBSE, OE	Commercial Refrigeration	-40°F to 60°F	VW	JW	SW	-
C(E), EC(E), SC(E), EBSE, OE	Low Temp Pres. Limit	-40°F to 0°F	VX35	-	SX35	-
C(E), EC(E), SC(E), EBSE, OE	Commercial Ref. Pres. Limit	-10°F to 60°F	VX100	JX60	SX110	ZX200
H(E), HC(E), EC(E), EBSE, OE	Air Conditioning	30°F to 60°F	VX100, VX100A	JX60	SX110	ZX200
HC(E)	Heat Pump	10°F to 60°F	VX100	-	-	ZX200

Replacement Power Elements

Refrigerant Designation	Valve Models				
	C(E), SC(E), EC(E)	ECE 12½ & 15T	EBSE 5 - 20T	OE 15 - 30T	OE 40 - 70T
J	KT-46-JW	-	KT-83-JW	KT-83-JW	KT-33-JW
	KT-46-JX60	-	-	-	-
V	KT-46-VW	-	KT-83-VW	KT-83-VW	KT-33-VW
	KT-46-VX35	-	-	-	-
	KT-46-VX100	-	KT-83-VX100	KT-83-VX100	KT-33-VX100
S	KT-46-SW	-	KT-83-SW	KT-83-SW	KT-33-SW
	KT-46-SX35	-	KT-83-SZ	KT-83-SZ	KT-33-SZ
	KT-46-SZ	-	KT-83-SX35	KT-83-SX35	KT-33-SX35
Z	KT-46-ZX200	KT-46-5-ZX200	-	KT-85-ZX200	KT-85-3-ZX200

Rainbow Charge™ Refrigerant Designation	
J	R-12, R-134a, R-401A (MP39), R-401B (MP66)
V	R-22, R-407C, R-417A (MO59), R-22B, R-438A (MO99)
S	R-502, R-404A (HP62), R-402A (HP80), R-402B (HP81), R-507 (AZ50)
Z	R-410A