

Thermostatic Expansion Valves



Emerson

BA Series

BA Series Thermostatic Expansion Valves feature a balanced port construction which provides stable and accurate superheat control over a wide range of operating conditions. Compared to conventional TX valves, under varying system conditions with wide pressure drops, the balanced port BA valve improves superheat control, system operation and valve stability.

R22/R407C Balanced Port TX Valve



Cat. No.	Model No.	Part No.	Refrigerant	BiFlow	Connections			Capillary Length mm
					Inlet	Outlet	Equaliser	
2707214	BAE 1 HCA	063200	R22, R407C	Y	3/8" ODF	1/2" ODF	External 1/4" ODF	760
2707215	BAE 1 1/2 HCA	061954	R22, R407C	Y	3/8" ODF	1/2" ODF	External 1/4" ODF	760
2707217	BAE 2 HCA	061955	R22, R407C	Y	3/8" ODF	1/2" ODF	External 1/4" ODF	760
2707216	BAE 2 1/2 HCA	061956	R22, R407C	Y	3/8" ODF	1/2" ODF	External 1/4" ODF	760
2707218	BAE 3 HCA	065892	R22, R407C	Y	3/8" ODF	1/2" ODF	External 1/4" ODF	760
2707219	BAE 4 HCA	061957	R22, R407C	Y	3/8" ODF	1/2" ODF	External 1/4" ODF	760
2707220	BAE 5 HCA	061964	R22, R407C	Y	1/2" ODF	5/8" ODF	External 1/4" ODF	1500
2707221	BAE 6 HCA	062736	R22, R407C	Y	1/2" ODF	5/8" ODF	External 1/4" ODF	1500

Model No.	Nominal Capacity: kW		
	AC	MT	LT
BAE 1 HCA	4.4	4.3	3.4
BAE 1 1/2 HCA	6.8	6.7	5.1
BAE 2 HCA	9.1	8.9	7.1
BAE 2 1/2 HCA	11.5	11.3	8.7
BAE 3 HCA	13.9	13.6	10.5
BAE 4 HCA	18.0	17.7	13.6
BAE 5 HCA	22.8	22.4	17.2
BAE 6 HCA	28.3	27.8	21.4

Nominal Capacities based on:

AC: 7°C evaporating temperature, 46°C condensing temperature, 1K liquid sub-cooling, 200kPa pressure drop across distributor and line components.

MT: -4°C evaporating temperature, 46°C condensing temperature, 1K liquid sub-cooling, 200kPa pressure drop across distributor and line components.

LT: -23.3°C evaporating temperature, 42°C condensing temperature, 1K liquid sub-cooling, 200kPa pressure drop across distributor and line components.