

# Thermostatic Expansion Valves



## Emerson

### TRAE Series

TRAE+ Series Thermostatic Expansion Valves are designed for large capacity refrigeration, air conditioning applications.



Cat. No.	Model No.	Part No.	Refrigerant	BiFlow	Connections			Capillary Length mm
					Inlet ODF	Outlet ODF	Equaliser	
2707165	TRAE+ 10 HC	062718	R22, R407C	N	5/8"	7/8"	External 1/4" MF	1500
2707167	TRAE+ 20 HC	062724	R22, R407C	N	7/8"	1 1/8"	External 1/4" MF	3000
2707168	TRAE+ 30 HC	062727	R22, R407C	N	7/8"	1 1/8"	External 1/4" MF	3000
2707169	TRAE+ 40 HC	062733	R22, R407C	N	1 1/8"	1 3/8"	External 1/4" MF	3000
2707170	TRAE+ 13 MC	063549	R134a	N	5/8"	7/8"	External 1/4" MF	3000
2707172	TRAE+ 14 SC	064407	R404A, R507	N	1 1/8"	1 1/8"	External 1/4" ODF	3000
2707173	TRAE+ 20 SC	063927	R404A, R507	N	1 1/8"	1 3/8"	External 1/4" ODF	3000
2707174	TRAE+ 30 SC	064435	R404A, R507	N	1 1/8"	1 3/8"	External 1/4" ODF	3000
2707175	TRAE 35 SC	064217	R404A, R507	N	1 1/8"	1 3/8"	External 1/4" ODF	3000

Model No.	Nominal Capacity R22, R407C kW	
	AC	MT
TRAE+ 10 HC	52.7	56.8
TRAE+ 20 HC	85.5	92.3
TRAE+ 30 HC	129.6	139.9
TRAE+ 40 HC	178.2	192.4

Model No.	Nominal Capacity R134a kW	
	AC	MT
TRAE + 13 MC	60.69	56.8

Model No.	Nominal Capacity R404A kW	
	AC	MT
TRAE + 14 MC	64.4	50.8
TRAE + 20 MC	97.8	79
TRAE + 30 MC	134.4	110
TRAE 35 MC	181.5	150

**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.