

Comparative table expansion valves

Series **TMX** with changeable orifice

Capacity at: $t_0 = +4\text{ }^\circ\text{C}$, $t_c = +38\text{ }^\circ\text{C}$, subcooling = 1 K

Refrigerant	ALCO				Honeywell			
	Series	Type	Capacity [kW]	Valve cartridge	Type	Cap. [kW]	Orifice cartridge	Series*
R 134a	TCLE	200 MW	9.3	X 22440-B3,5B	TMX R134a MOP +10 °C	11.8	XD 4.5	TMX
		250 MW	13.5	X 22440-B4B	TMX R134a MOP +10 °C	15.9	XD 4.75	
		350 MW	17.3	X 22440-B5B	TMX R134a MOP +10 °C	19.9	XD 5	
		550 MW	23.6	X 22440-B6B	TMX R134a MOP +10 °C	27.6	XD 6	
		750 MW	32.0	X 22440-B7B	TMX R134a MOP +10 °C	35.3	XD 7	
		900 MW	37.2	X 22440-B8B	TMX R134a MOP +10 °C	43.3	XD 8	
	TJRE	11 MW	45.0	X 11873-B4B	TMX R134a MOP +10 °C	50.9	XD 10	
		13 MW	57.0	X 11873-B5B				
R 407C	TCLE	400 NW	18.7	X 22440-B4B	TMX R407C MOP +15 °C	16.4	XD 4.5	TMX
		550 NW	24.0	X 22440-B5B	TMX R407C MOP +15 °C	21.6	XD 4.75	
		750 NW	32.9	X 22440-B6B	TMX R407C MOP +15 °C	28.0	XD 5	
		1000 NW	44.4	X 22440-B7B	TMX R407C MOP +15 °C	40.8	XD 6	
		1150 NW	51.7	X 22440-B8B	TMX R407C MOP +15 °C	52.5	XD 7	
	TJRE	14 NW	62.0	X 11873-B4B	TMX R407C MOP +15 °C	61.8	XD 8	
		17 NW	80.0	X 11873-B5B	TMX R407C MOP +15 °C	72.3	XD 10	
R 404A	TCLE	250 SW	12.2	X 22440-B4B	TMX R404A MOP +10 °C	12.0	XD 4.5	TMX
		400 SW	15.7	X 22440-B5B	TMX R404A MOP +10 °C	15.8	XD 4.75	
		600 SW	21.5	X 22440-B6B	TMX R404A MOP +10 °C	20.5	XD 5	
		850 SW	29.0	X 22440-B7B	TMX R404A MOP +10 °C	29.8	XD 6	
		1000 SW	33.8	X 22440-B8B	TMX R404A MOP +10 °C	38.3	XD 7	
	TJRE	12 SW	40.0	X 11873-B4B	TMX R404A MOP +10 °C	45.1	XD 8	
		14 SW	51.0	X 11873-B5B	TMX R404A MOP +10 °C	52.8	XD 10	
R 507A	TCLE	250 SW	12.2	X 22440-B4B	TMX R507 MOP +10 °C	12.1	XD 4.5	TMX
		400 SW	15.7	X 22440-B5B	TMX R507 MOP +10 °C	15.9	XD 4.75	
		600 SW	21.5	X 22440-B6B	TMX R507 MOP +10 °C	20.7	XD 5	
		850 SW	29.0	X 22440-B7B	TMX R507 MOP +10 °C	30.1	XD 6	
		1000 SW	33.8	X 22440-B8B	TMX R507 MOP +10 °C	38.7	XD 7	
	TJRE	12 SW	40.0	X 11873-B4B	TMX R507 MOP +10 °C	45.6	XD 8	
		14 SW	51.0	X 11873-B5B	TMX R507 MOP +10 °C	53.3	XD 10	
R 22	TCLE	300 HW	17.3	X 22440-B4B	TMX R22 MOP +10 °C	16.9	XD 4.5	TMX
		500 HW	22.2	X 22440-B5B	TMX R22 MOP +10 °C	22.4	XD 4.75	
		750 HW	30.4	X 22440-B6B	TMX R22 MOP +10 °C	29.1	XD 5	
		1000 HW	41.1	X 22440-B7B	TMX R22 MOP +10 °C	42.4	XD 6	
		1200 HW	47.8	X 22440-B8B	TMX R22 MOP +10 °C	54.5	XD 7	
	TJRE	14 HW	58.0	X 11873-B4B	TMX R22 MOP +10 °C	64.1	XD 8	
		18 HW	74.0	X 11873-B5B	TMX R22 MOP +10 °C	75.1	XD 10	

Series TMX with changeable orifice

Capacity at: $t_0 = +5^\circ\text{C}$, $t_c = +32^\circ\text{C}$, subcooling = 4 K

Danfoss				Honeywell			Refrigerant	
Series	Valve type	Orifice size	Capacity [kW]	Orifice size	Capacity [kW]	Series*		
TE 5	TEN 5-3.7	01	12.9	4.75	15.2	TMX	R134a	
	TEN 5-5.4	02	19.1	5	19.1			
	TEN 5-8.3	03	29.1	6	26.4			
	TEN 5-11.2	04	39.6	8	41.5			
TE 12	TEN 12-4.7	01	16.7	4.75	15.2			
	TEN 12-7.7	02	27.2	6	26.4			
	TEN 12-11.4	03	40.0	8	41.5			
	TEN 12-15	04	53.0	10	48.8			
TE 20	TEN 20-18	01	65.0	11	62.2			
TE 5	TEZ 5-3.7	01	21.3	4.75	20.9		TMX	R407C
	TEZ 5-5.0	02	29.1	5	27.1			
	TEZ 5-8.0	03	41.9	6	39.5			
	TEZ 5-13	04	59.7	8	59.8			
TE 12	TEZ 12-5.0	01	28.9	5	27.1			
	TEZ 12-8	02	46.9	7	50.8			
	TEZ 12-13	03	69.1	10	70.0			
	TEZ 12-19.5	04	91.2	11	89.4			
TE 5	TES 5-3.7	01	13.0	4.75	16.0	TMX		R 404A R 507A
	TES 5-5.0	02	17.6	4.75	16.0			
	TES 5-7.2	03	25.3	6	30.3			
	TES 5-10.3	04	36.2	7	38.9			
TE 12	TES 12-4.2	01	14.8	4.75	16.0			
	TES 12-6.8	02	23.9	6	30.3			
	TES 12-10.0	03	35.2	7	38.9			
	TES 12-13.4	04	47.1	8	45.9			
TE 20	TEN 20-16.5	01	59.0	10	53.7			
TE 5	TEX 5-3	01	19.7	4.75	21.2		TMX	R22
	TEX 5-4.5	02	26.9	5	27.4			
	TEX 5-7.5	03	38.8	6	40.0			
	TEX 5-12	04	55.3	7	51.4			
TE 12	TEX 12-4.5	01	26.8	5	27.4			
	TEX 12-7.5	02	43.4	6	40.0			
	TEX 12-12	03	64.0	8	60.6			
	TEX 12-18	04	84.4	11	90.5			

* For explanations on these series see page 4-5. Please note also that these series of Honeywell could also come with other technical differences (length, weight, maximum pressures, etc.).