

MANEUROP RECIPROCATING COMPRESSORS

MTZ Series Medium Temp R404A - R507 - R134A - R407C - R22

Airefrig Part Number	Compressor Model	Displ cm ³ /rev	Voltage	Oil Charge dm ³	Net Weight (Kg)	* Suction Valve & Gasket	* Discharge Valve & Gasket	List Price Excl GST					
MTZ185VI	MTZ18-5VI	30.23	230/1/50	0.95	21.0	15702303 (1/2ODS)	15702903 (3/8ODS)	\$1,191.57					
MTZ184VI	MTZ18-4VI		400/3/50					\$1,191.57					
MTZ225VI	MTZ22-5VI	230/1/50	23.0					020002800 (Gasket)	020002800 (Gasket)	\$1,241.61			
MTZ224VI	MTZ22-4VI	400/3/50								\$1,241.61			
MTZ285VI	MTZ28-5VI	48.06	230/1/50		1.8	24.0	17610903 (5/8ODS)	15702303 (1/2ODS)	\$1,287.57				
MTZ284VI	MTZ28-4VI		400/3/50						\$1,287.57				
MTZ325VI	MTZ32-5VI	54.86	230/1/50			25.0	020002802 (Gasket)	020002800 (Gasket)	\$1,311.00				
MTZ324VI	MTZ32-4VI		400/3/50						\$1,311.00				
MTZ365VI	MTZ36-5VI	60.47	230/1/50			3.9	26.0	17013803 (1-1/8ODS)	16003903 (3/4ODS)	\$1,349.22			
MTZ364VI	MTZ36-4VI		400/3/50							\$1,349.22			
MTZ404VI	MTZ40-4VI	67.89	400/3/50	37.0			020002803 (Gasket)	020002802 (Gasket)	\$1,424.13				
MTZ454VI	MTZ45-4VI	76.22	400/3/50						\$1,468.98				
MTZ514VI	MTZ51-4VI	85.64	400/3/50	39.0			17013803 (1-1/8ODS)	16003903 (3/4ODS)	\$1,526.85				
MTZ574VI	MTZ57-4VI	96.13	400/3/50						\$1,635.09				
MTZ654VI	MTZ65-4VI	107.71	400/3/50	41.0	020002803 (Gasket)		020002802 (Gasket)	\$1,729.29					
MTZ734VI	MTZ73-4VI	120.94	400/3/50					\$1,804.98					
MTZ814VI	MTZ81-4VI	135.78	400/3/50	60.0	17013803 (1-1/8ODS)		16003903 (3/4ODS)	\$2,120.04					
MTZ1004VI	MTZ100-4VI	171.26	400/3/50					64.0	020002803 (Gasket)	020002802 (Gasket)	\$2,848.17		
MTZ1254VI	MTZ125-4VI	215.44	400/3/50			67.0					17013803 (1-1/8ODS)	16003903 (3/4ODS)	\$3,564.24
MTZ1444VI	MTZ144-4VI	241.87	400/3/50										\$3,868.62
MTZ1604VI	MTZ160-4VI	271.55	400/3/50	69.0	020002803 (Gasket)	020002802 (Gasket)	\$4,232.10						
7773001	PTC Internal crankcase heater 200 - 600 volt 35watts suit all MTZ							\$151.83					
7701022	CSR Electrical Kit suit MTZ18-5 to MTZ28-5 c/w: Relay, 1x Start & 2x Run Capacitors							\$256.26					
7701023	CSR Electrical Kit suit MTZ32-5 to MTZ36-5 c/w: Relay, 1x Start & 2x Run Capacitors							\$256.26					

Note: 2x run capacitors are supplied in 7701022 & 7701023 kits and should be wired in parallel for all CSR compressors unless wired for a trickle circuit. Trickle circuit option provides heating of the crankcase by feeding a small current to the auxiliary winding & run capacitor eliminating the need for a crankcase heater (trickle circuit option suitable for MTZ18 to MTZ22. All larger 1 phase compressors require a PTC crankcase heater).

* MTZ compressors are **not supplied with service valves or crankcase Heaters**, these must be purchased separately.

MTZ compressors are supplied with P.O.E. oil, rubber mounting kit, oil sight glass & electrics (single phase only).

MTZ compressors are 100% suction cooled. This means that no additional compressor cooling is required which allows for the application of acoustic jackets to obtain lower sound levels without the risk of overheating the compressor.

The maximum allowable superheat is approximately 30K & maximum discharge temperature of +130°C. Higher superheat values maybe allowable if the discharge temperature is kept below +130°C. (Optimum suction gas superheat is 8K or lower if liquid flood back to the compressor can be prevented)

MTZ single phase compressors are protected by a temperature/current sensing bimetallic protector which senses the main & start winding currents plus the winding temperature (may take 2-4 hours to reset if tripped).

MTZ three phase compressors are protected by an internal motor protector, connected to the neutral point of the star connected stator windings, the protector cuts out all 3-phases simultaneously (may take 3 hours to reset if tripped).