

MTO II | 5 HP RECIPROCATING COMPRESSORS

Pump Model CVE50

The Solution to Your Application

Champion model MTO II is changing the way the world uses oil-free compressed air. By developing a compressor that can run 24 hours a day, Champion has eliminated the need for over-sizing and back-up units that add unnecessary expense. The craftsmanship of the MTO II is nothing short of the best in the industry. Whether it's healthcare, instrumentation, or laboratory applications, the need for pure, environmentally clean compressed air is rapidly expanding. Champion is the proven choice for oil-free air.

Standard Features

All MTO II compressors are engineered as 100% duty cycle, V-belt-driven packaged units with:

- Long-lasting cast iron, hard chrome-plated cylinders with PTFE guide rings
- Cast-iron heads and spring-loaded valves with stainless steel cages, phosphoric bronze seats and steel discs
- Strong ductile iron crankshafts
- Large aluminum cooling fan and low compressor speeds
- Inlet air filter silencers
- Enclosed belt guards
- Electric motor
- Discharge line unloader solenoid valves
- Pressure relief valves
- ASME coded receivers
- NFPA Level 1 and 3 compliant systems
- Grade "D" breathing air packages are available
- 1-Year package warranty
- 1-Year pump warranty



BARE PUMP

MODEL	APPROX. SHIP WEIGHT LBS.	BORE DIA. INCHES	STROKE INCHES	DISPLACEMENT CFM MAX @ 100 PSI	COOLING AIR FLOW MAX CFM @ 100 PSI	HEAT REJECTION MAX BTU/HR	MAX PUMP RPM
CVE50	172	3.94	2.95	27.4	1500	12000	650

SIMPLEX BASE MOUNTED

MOTOR HP	MTO II MATRIX CHBMOA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	CFM DEL'Y	
				50 PSIG	100 PSIG
5	B5MTOII	36 x 24 x 28	318	17.4	15.6

SIMPLEX TANK MOUNTED UNITS

MOTOR HP	MTO II MATRIX CHSMOA	TANK CAPACITY GAL.	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	CFM DEL'Y	
					50 PSIG	100 PSIG
5	H5MTOII-6	60	48 x 25.3 x 45	507	17.4	15.6

DUPLEX TANK MOUNTED UNITS

MOTOR HP	MTO II MATRIX CHDMOA	TANK CAPACITY GAL.	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	CFM DEL'Y	
					50 PSIG	100 PSIG
5	H5MTOIID-8	80	70.5 x 29 x 45	851	34.8	31.2
5	H5MTOIID-12	120	73 x 30.5 x 49.5	929	34.8	31.2