

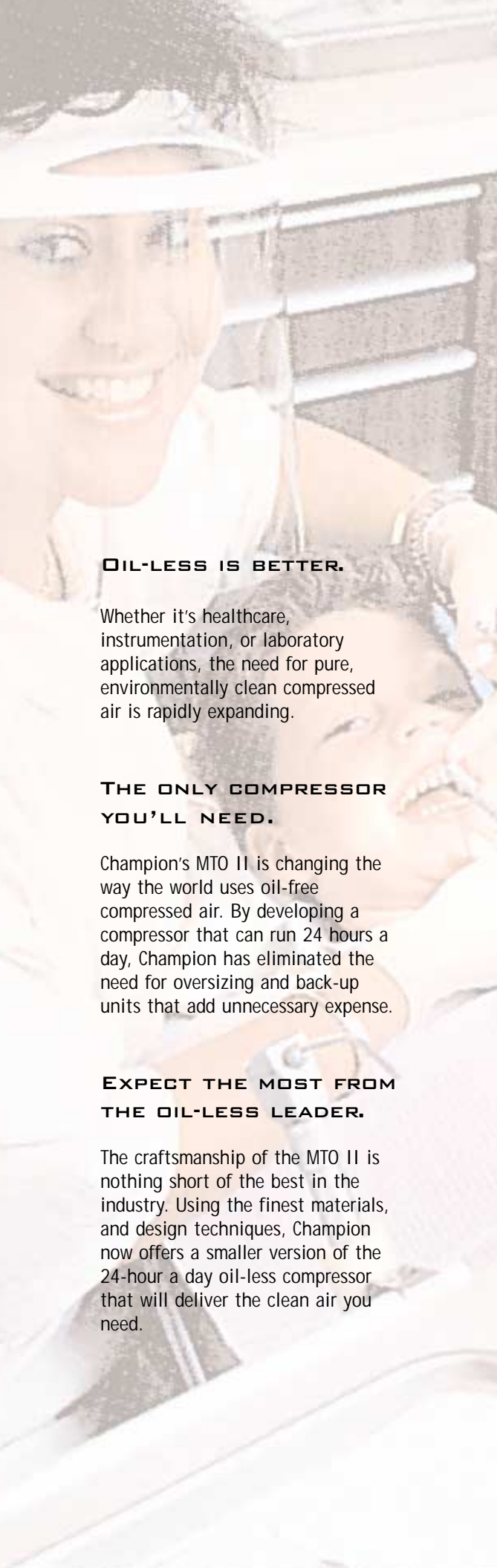
MTO II SERIES

1-5 HORSEPOWER

OIL-LESS AIR COMPRESSORS

WHEN COMPRESSED AIR  
QUALITY COUNTS.





**OIL-LESS IS BETTER.**

Whether it's healthcare, instrumentation, or laboratory applications, the need for pure, environmentally clean compressed air is rapidly expanding.

**THE ONLY COMPRESSOR YOU'LL NEED.**

Champion's 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 oversizing and back-up units that add unnecessary expense.

**EXPECT THE MOST FROM THE OIL-LESS LEADER.**

The craftsmanship of the MTO II is nothing short of the best in the industry. Using the finest materials, and design techniques, Champion now offers a smaller version of the 24-hour a day oil-less compressor that will deliver the clean air you need.



Long lasting cast iron, hard chrome-plated cylinders. PTFE guide rings prevent the pistons from contact, raising efficiency. Sealed anti-friction bearings in the upper and lower connecting rod ends for increased life.



Strong ductile iron crankshafts are mounted with sealed anti-friction bearings in a rugged cast iron crankcase.



Cast iron heads and spring-loaded valves with stainless steel cages, phosphoric bronze seats and Swedish steel discs keep your compressor running cool and offer a longer operating life.



Large aluminum cooling fan and low compressor speeds keep the MTO II crankcase, cylinders and heads running cool, reducing wear and increasing the life of the unit.

**TYPICAL PERFORMANCE FOR A MTO II**

Pump	Motor HP	Air Delivery CFM @ 100 PSIG	Compressor Speed - RPM
CCE10	1	3.0	588
CCE20	1 1/2	4.5	570
CCE20	2	6.3	680
CCE30	3	9.4	650
CVE50	5	15.6	650

# MTO II

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

- Inlet Air Filter Silencers
- Enclosed Belt Guards
- Electric Motor
- Discharge Line Unloader Solenoid Valves
- Pressure Relief Valves
- Automatic Start-Stop Controls
- Check Valves
- Interconnecting Wiring and Piping
- Structural Steel Frames

Tank-mounted models include horizontal air receivers that are ASME coded. NFPA 99 Grade D & Level 3 Compliant packages are available.

## MAINTENANCE.

Keeping the MTO II up and running is as simple as checking the machine periodically. And, with no oil or fluids to change, there's little need for costly maintenance.

## DURABILITY.

With the highest reliability in the business, you can be assured that your MTO II will always be up and running, 24 hours a day.

## SERVICE.

Should you need help with your MTO II or have any questions about operation or maintenance, your Champion Service Representative stands ready to serve you.

## WARRANTY.

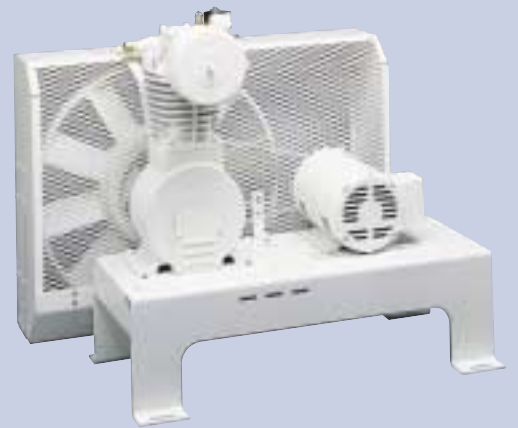
All MTO II units are guaranteed with a one-year warranty on the compressor pump and all other parts and components.

## PARTS.

The 24-hour Champion worldwide parts distribution network can deliver parts and accessories quickly, wherever and whenever they are needed.

## EXPANDABILITY.

Whether you just need a compressor or a complete compressed air system, Champion has the products, service and expertise to get your system designed, fabricated and shipped directly to you.



Base-Mounted Package

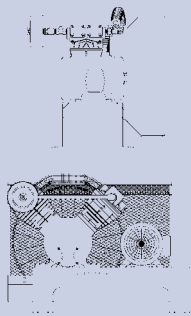


Tank-Mounted Simplex Package



Tank-Mounted Duplex Package with Mounted Control Panel





# SPECIFICATIONS

## BASE MOUNTED

UNIT MODEL	HP	PUMP	PUMP RPM	CFM DELIVERY*		BORE DIA IN	STROKE IN	DIMENSIONS L x W x H IN	WT LBS
				50 PSIG	100 PSIG				
B1MTOII	1	CCE10	588	3.3	3.0	2.95	2.17	36 x 22 x 25.5	142
B1.5MTOII	1.5	CCE20	570	6.8	4.5	3.94	2.36	36 x 22 x 30	196
B2MTOII	2	CCE20	680	8.2	6.3	3.94	2.36	36 x 22 x 30	201
B3MTOII	3	CCE30	650	11.2	9.4	4.72	2.56	36 x 22 x 30	264
B5MTOII	5	CVE50	650	17.4	15.6	3.94	2.95	36 x 24 x 28	318

## SIMPLEX TANK-MOUNTED

UNIT MODEL	HP	PUMP	PUMP RPM	CFM DELIVERY*		BORE DIA IN	STROKE IN	DIMENSIONS L x W x H IN	WT LBS
				50 PSIG	100 PSIG				
H1MTOII-3	1	CCE10	588	3.3	3.0	2.95	2.17	38 x 25.5 x 37.5	217
H1MTOII-6	1	CCE10	588	3.3	3.0	2.95	2.17	48 x 25.5 x 43	337
H1.5MTOII-3	1.5	CCE20	570	6.8	4.5	3.94	2.36	38 x 25.5 x 42.5	265
H1.5MTOII-6	1.5	CCE20	570	6.8	4.5	3.94	2.36	48 x 25.5 x 47.5	385
H2MTOII-3	2	CCE20	680	8.2	6.3	3.94	2.36	38 x 25.5 x 42.5	270
H2MTOII-6	2	CCE20	680	8.2	6.3	3.94	2.36	48 x 25.5 x 47.5	390
H3MTOII-6	3	CCE30	650	11.2	9.4	4.72	2.56	48 x 25.5 x 47.5	453
H5MTOII-6	5	CVE50	650	17.4	15.6	3.94	2.95	48 x 25.25 x 45	507

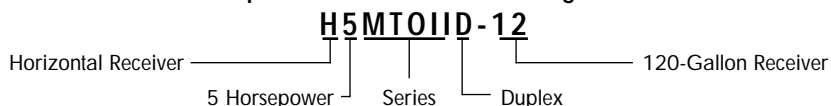
## DUPLEX TANK-MOUNTED

UNIT MODEL	HP	PUMP	PUMP RPM	CFM DELIVERY*		BORE DIA IN	STROKE IN	DIMENSIONS L x W x H IN	WT LBS
				50 PSIG	100 PSIG				
H1MTOIID-6	1	CCE10	588	6.6	6.0	2.95	2.17	70 x 29 x 43	491
H1MTOIID-8	1	CCE10	588	6.6	6.0	2.95	2.17	70 x 29 x 43	551
H1.5MTOIID-6	1.5	CCE20	570	13.6	9.0	3.94	2.36	70 x 29 x 48	587
H1.5MTOIID-8	1.5	CCE20	570	13.6	9.0	3.94	2.36	70 x 29 x 48	647
H2MTOIID-6	2	CCE20	680	16.4	12.6	3.94	2.36	70 x 29 x 48	597
H2MTOIID-8	2	CCE20	680	16.4	12.6	3.94	2.36	70 x 29 x 48	657
H3MTOIID-8	3	CCE30	650	22.4	18.8	4.72	2.56	70 x 29 x 48	743
H3MTOIID-12	3	CCE30	650	22.4	18.8	4.72	2.56	73 x 22.5 x 52	821
H5MTOIID-8	5	CVE50	650	34.8	31.2	3.94	2.95	70.5 x 29 x 45	851
H5MTOIID-12	5	CVE50	650	34.8	31.2	3.94	2.95	73 x 30.5 x 49.5	929

\*Units tested in accordance with CAGI/PNEUROP acceptance test code PN2CPTC2.

Note: Add 1.0" in height for Vibration Isolators and add 3.50" in length for Ball Valve on tank

Example of how to read model designations:



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ONE SOURCE.**