

V & W SERIES | 5-7.5 HP RECIPROCATING COMPRESSORS

Pump Model VTR

Customized Solutions

Champion oil-less compressors are designed to meet the most precise standards for compressed air purity in industrial and medical facility applications. With advanced design features and a system that combines quality, durability and state-of-the-art lubrication technology, the V & W Series offers freedom from oil...freedom from maintenance...freedom from noise...freedom from worry.

Standard Features

- Totally dry crankcase
- Oil-less compressor service—"O" ring bumper eliminates end wear
- Nickel-plated, cast-iron cylinders
- Long-lasting ball bearing design
- High-grade steel valve plates and reeds
- Cantilevered crankshaft design for superior balance and long life
- Spring-isolated base
- Meets NFPA guidelines for medical air compressors
- 1-Year package warranty
- 1-Year pump warranty

Available Options

- Control panel
- Fusible disconnect switches
- Automatic tank drain
- Flexible discharge line
- Vibration isolators
- Vinyl-lined or galvanized receivers
- Water-cooled aftercooler
- Remote intake air filter/silencer
- High temperature shutdown/lag
- Compressor alarm
- Air dryer and bypass piping
- Downstream filter banks and indicator



BARE PUMP

MODEL	APPROX. SHIP WEIGHT LBS.	BORE DIA. INCHES	STROKE INCHES	# OF CYLINDERS	DISPLACEMENT CFM MAX	COOLING AIR FLOW MAX CFM @ 175 PSI	HEAT REJECTION MAX BTU/HR	COOLING WATER FLOW GPM	MAX PUMP RPM
VTR	580	4.72 & 2.56	1.97	2	25.9	3340	15260	1	1300

SIMPLEX BASE MOUNTED UNITS

MOTOR HP	V & W SERIES CIBVWA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	CFM DEL'Y	
				125 PSIG	175 PSIG
5	5VTR20	57.3 x 37.5 x 37.4	1035	16.1	15.8
7.5	7VTR20	57.3 x 37.5 x 37.4	1115	21.4	21.2

SIMPLEX TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	V & W SERIES CISVWA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	CFM DEL'Y	
					125 PSIG	175 PSIG
5	120	12T5VTR20	69 x 37.5 x 67	1480	16.1	15.8
5	250	25T5VTR20	92 x 37.5 x 73	1845	16.1	15.8
7.5	120	12T7VTR20	69 x 37.5 x 67	1545	21.4	21.2
7.5	250	25T7VTR20	92 x 37.5 x 73	1910	21.4	21.2

DUPLEX TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	V & W SERIES CIDVWA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	CFM DEL'Y	
					125 PSIG	175 PSIG
5 (2)	120	12TD5VTR20	88.3 x 57.3 x 60.5	2575	32.2	31.6
5 (2)	250	25TD5VTR20	84 x 67 x 72	2935	32.2	31.6
7.5 (2)	120	12TD7VTR20	88.3 x 57.3 x 60.5	2750	42.8	42.4
7.5 (2)	250	25TD7VTR20	84 x 67 x 72	3110	42.8	42.4

VERTICAL TWO-STAGE, CABINET ENCLOSED

MOTOR HP	V & W SERIES CICVWA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	CFM DEL'Y	
				125 PSIG	175 PSIG
5	5EVTR20	40 x 37 x 65.8	1053	16.1	15.8
7.5	7EVTR20	40 x 37 x 65.8	1058	21.4	21.2

CHAMPION®

1301 North Euclid Avenue
Princeton, Illinois 61356 USA
866-276-4330
www.ChampionPneumatic.com



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