

## HQD7.5 Variable Speed Screw Compressor

### Features & Benefits

- Genuine 7.5HP Variable speed motor
- Lockable service panels
- Control panel with intelligent touch screen display
- Automatic fault finding and recording
- Super quiet running noise at 66dB(a)
- Power saving motor - only works as hard as you need it
- High quality electrical components
- Australian owned & local manufacturer
- You can get direct energy savings of 5 – 35% using variable speed compressors
- Power consumption will match the air being used
- Ability to start and stop under load
- Stable pressure without fluctuations
- Avoid peak currents during start up



180KG



**WARRANTY**  
1 YEAR TOTAL UNIT



970MM X 560MM X 870MM

### Product Description

Peerless Products Variable Speed Rotary Screw Compressors are here to save you money!

Most air compressors run continuously even when you're not using the air. This machine will perform to your requirements and save you money at the same time by only doing the work that you want it to do!

Our HQD Variable Speed Compressors will reduce your power consumption and give you a quick return on your investment within no time. With a great output of 800 Litres per minute at 100PSI. For ease of use it features an LED touchscreen control panel allows the user to easily operate and view the functionality of the air compressor along with viewing service times which are based

on run hours. Operating pressure can be viewed in MPA or PSI along with the ability to view energy consumption.

In order to keep our 7.5HP variable speed screw compressor compact we have designed a twin tank model. This gives you a great 136L air receiver meaning that the compressor has a very small recovery time to build back up to full pressure.

### Need Clean & Dry air?

As a compressor draws in air to compress it is also drawing in all the moisture that is in the surrounding environment. If this moisture enters your airlines it can cause issues within your compressor and also in the equipment you are using, causing your seals to swell and also rust to develop.

The best and most effective solution to prevent this happening is to employ an Air Dryer in your set up. Dryers are designed to remove any moisture before it enters your airlines and causing issues that will soon become a major and potentially very expensive problem.

Peerless branded filters have been specifically developed for high efficient removal of solid particles, water, oil aerosols, hydrocarbons, odour and vapours from compressed air systems.

To meet the required air quality, the appropriate filter must be selected.

#### Refrigeration Dryer to suit;

- WB7.5D Refrigeration Dryer

#### Filtration to suit;

- PREF0060, POSTF0060 & OSEPF0060



# Peerless Variable Speed Rotary Screw Compressors

Peerless Products Variable Speed Rotary Screw Compressors are here to save you money!

Variable speed means if you're using less pressure and volume than what is set the compressor will calculate and slow down to the output required. Variable speed compressors are able to maintain a constant pressure allowing you to preset it to have a lower pressure (1bar = 5% energy savings). With the motors high efficiency for lower HP consumption, the speed regulation of a minimum and maximum speed, plays a huge part in energy savings. The energy savings from this design are practically putting money back in your pocket!

Air dryers are available to suit each model and you have the flexibility of choosing a tank which will best suit your individual needs in terms of capacity and overall size.

Ease of servicing also makes this unit very attractive. All main componentry have easy access panels along with our basic service guide so you or your local service agent can service without any issues.

For help sizing up what compressor will best suit your application speak to a Peerless Specialist.

## FIXED SPEED COSTS BREAKDOWN



**ENERGY COSTS** **INVESTMENT & SERVICING**

## VARIABLE SPEED COSTS BREAKDOWN

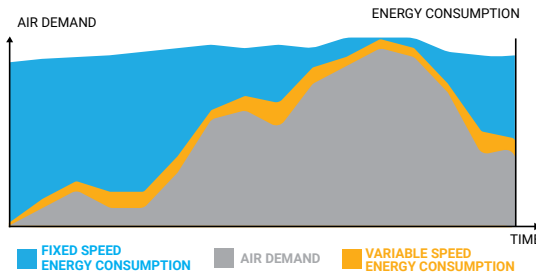


**ENERGY SAVINGS!**

### Variable Speed at a glance!

- On average 70% of a compressors cost is energy
- You can get direct energy savings of 5 – 35% using variable speed compressors
- Power consumption will match the air being used (**see right**)
- Ability to start and stop under load
- Stable pressure without fluctuations
- Avoid peak currents during start up

Energy Consumption with Air Demand



### HQD7.5 Variable Speed Specifications

CODE	HP / KW	PSI / BAR	LPM	M <sup>3</sup> /H	CFM	DB (A)	AIR OUTLET THREAD
HQD7.5VSH	7.5 HP / 5.5 KW	116 PSI / 8 BAR	700	42	24.75	66 (+/-2)	1/2" BSP

### Technical Data

HP MODEL	COOLING METHOD	DISCHARGE TEMP. (°C)	DRIVING TYPE	ELECTRICITY
7.5HP	AIR COOLED	AMBIENT TEMP. +15°C	DIRECT DRIVEN	415V / 50HZ / 3P

\*DEPENDANT ON POWER SUPPLY

### Refrigeration Air Dryer to suit

CODE	MODEL	COMPRESSOR HP	WORKING PRESSURE	LPM	M <sup>3</sup> /H	CFM	POWER PLUG
WB7.5D	WB7.5 DRYER	1/2HP	MIN. 6 BAR – MAX. 10 BAR	1000	60	35.5	10A

### Technical Data

CODE	MAX INLET TEMP.	WORKING AMBIENT TEMP.	DEW POINT	DIMENSIONS	WEIGHT (KG)	AIR IN / OUT THREAD	ELECTRICITY
WB7.5D	60°C	45°C	3°C - 10°C	352 x 430 x 445 MM	30	1/2" BSP	AC 220V / 50HZ / 1P

### Filtration to suit

CODE	PIPE SIZE	FLOW RATE			OPERATING TEMP °C		RESIDUAL OIL CONTENT	DIMENSIONS				WEIGHT	REPLACEMENT ELEMENT		
		(BSP)	NM <sup>3</sup> /H	SCFM	LPM	MIN		MAX	A	B	C		D	KG	
PREF0060	-1M -3M	3/8"	60	35	990	1.5	65	-	187	88	20	60	0.7	PREE0060-1M (1 MICRON)	PREE0060-3M (3 MICRON)
OSEPF0060	1/2"	60	35	990	1.5	65	<0.1	187	88	20	60	0.7		OSEPE0060	
POSTF0060	1/2"	60	35	990	1.5	65	<0.01	187	88	20	60	0.7		POSTE0060	