

Peerless Variable Speed Rotary Screw Compressors



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!

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!

Our HQ-Air Variable Speed Compressors will reduce your power consumption and give you a quick return on your investment within no time

(can be as quick as 3 years!).

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.

All parts and service kits are readily available through Peerless Products along with technical support if required.

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 COSTS **INVESTMENT & SERVICING**

ENERGY SAVING!

**SAVING YOU IN ENERGY COSTS!
PUTTING MONEY STRAIGHT BACK INTO
YOUR POCKET!**

KEEP IN MIND

Power supply is very important when selecting an air compressor, along with selecting the right one for the applicaiton. Please talk to your local Peerless representative.

Base Mount Specifications

CODE	HP / KW	PSI / BAR	LPM	M ³ /H	CFM	DB (A)	AIR OUTLET THREAD	TANK MOUNT OPTION (HQTS10-TM)
HQTS10-B	10 HP / 7.5 KW	116 PSI / 8 BAR	1100	66	38.9	66 (+/-2)	1/2" BSP	110L

Peerless Products new range of HQ-Air Rotary Screw Compressors only have the highest of quality componentry.

Peerless Products are proud to produce its own brand in High Quality Rotary Screw Compressors (HQ-Air). We have always been involved with screw compressors but now have designed our own to suit the demands of the Australian market.

The Full Feature model which includes the screw, dryer and tank, making it easier to install, just have your industrial electrician wire it in and you're set. This eliminates installation cost on fitting a dryer, labour times and reduces floor space!

What is a Rotary Screw Compressor?

A rotary screw compressor is a type of air compressor which uses a rotary type positive displacement mechanism. They are commonly used to replace piston compressors where high volumes of high quality air is needed, either for large industrial applications or to operate high-power air tools such as 6" orbital sanders, high volume sandblasting equipment or for high

quality automotive spray painting.

The air compression process of a rotary screw is a continuous sweeping motion, so there is very little pulsation or surging of air flow, as occurs with piston compressors.

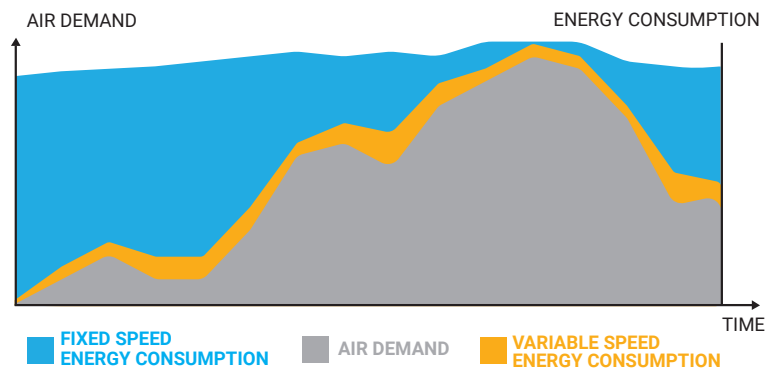
Understanding the basic operation

Rotary-screw compressors use two meshing helical screws, known as rotors, to compress the air.

In an oil-flooded rotary-screw compressor, lubricating oil bridges the space between the rotors, both providing a hydraulic seal and transferring mechanical energy between the driving and driven rotor. Air enters at the suction side and moves through the threads as the screws rotate. The meshing rotors force the air through the compressor, and the air exits at the end of the screws.



Energy Consumption with Air Demand



- 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 above)
- Ability to start and stop under load
- Stable pressure without fluctuations
- Avoid peak currents during start up

Peerless Variable Speed Full Feature Rotary Screw Compressors



Product Description

The Full Feature models is the ultimate space saver with the screw component and air dryer situated on top of a 300L air receiver in order to properly utilise valuable floor space.

Unlike a lot of other brands with the dryer being built into the Screw ours is separate which means that if any issue arises with the air dryer you can continue to use the screw, and even do a straight swap for the dryer. This avoids any downtime which will end up costing you a lot more in the long run.

Ease of servicing also makes this unit very attractive as 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.

All parts and service kits are readily available through Peerless Products along with technical support if required.

The pressure vessel is AS1210 registered design for work safe compliance.

Features & Benefits

- Genuine Variable speed motors
- Huge air flow without the huge power demand
- 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

HQD10VSH-FF



WARRANTY
1 YEAR TOTAL UNIT



1760 x 650 x 1500 MM

Full Feature Specifications

CODE	HP / KW	PSI / BAR	LPM	M ³ /H	CFM	DB (A)	AIR OUTLET THREAD	TANK (L)
HQTS10-FF	10 HP / 7.5 KW	116 PSI / 8 BAR	1100	66	38.9	66 (+/-2)	1/2" BSP	300L

Technical Data

HP MODEL	COOLING METHOD	DISCHARGE TEMP. (°C)	DRIVING TYPE	ELECTRICITY	POWER
					AMP REQUIRED
10HP	AIR COOLED	AMBIENT TEMP. +15°C	DIRECT DRIVEN	415V / 50HZ / 3P	20

Refrigeration Air Dryer

CODE	COMPRESSOR (W)	WORKING PRESSURE	MAX INLET TEMP.	WORKING AMBIENT TEMP.	DEW POINT	COOLANT
HQTS10-FF	350	MIN. 6 BAR – MAX. 13 BAR	60°C	45°C	3°C - 10°C	R134A

30HP, 40HP & 50HP Variable Speed Screw Compressor

Features & Benefits

- Genuine Variable speed motors
- Certified & registered Pressure Vessel to AS1210
- Manufacturer Data Report available on request
- Lockable service panels
- Control panel with intelligent touch screen display
- Automatic fault finding and recording
- Super quiet running noise
- Power saving motor - only works as hard as you need it
- 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



WARRANTY
 1 YEAR TOTAL UNIT
 ADDITIONAL 1 YEAR PARTS

Specifications

CODE	HP / KW	PSI / BAR	LPM	M ³ /H	CFM	DB (A)	AIR OUTLET THREAD	DIMENSIONS (MM)	WEIGHT (KG)
HQD30VSHP	30 HP / 22 KW	116 PSI / 8 BAR	3600	216	127.2	70	1" BSP	1350 X 780 X 1250	590
HQD40VSHP	40 HP / 30 KW	116 PSI / 8 BAR	5000	300	176.7	70	1 1/2" BSP	1420 X 900 X 1425	940
HQD50VSHP	50 HP / 37 KW	116 PSI / 8 BAR	6200	372	219.0	70	1 1/2" BSP	1420 X 900 X 1425	940

Technical Data

HP MODEL	COOLING METHOD	DISCHARGE TEMP. (°C)	DRIVING TYPE	ELECTRICITY	POWER			
					FLC (A) MM	MAX	START CURRENT	AMP REQUIRED
30HP	AIR COOLED	AMBIENT TEMP. +15°C	DIRECT DRIVEN	415V / 50HZ / 3P	53	159	212	63
40HP	AIR COOLED	AMBIENT TEMP. +15°C	DIRECT DRIVEN	415V / 50HZ / 3P	60	180	240	80
50HP	AIR COOLED	AMBIENT TEMP. +15°C	DIRECT DRIVEN	415V / 50HZ / 3P	77	231	308	100