

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.



(FULL FEATURE)

(BASEMOUNT)

NOT SURE WHAT'S THE RIGHT COMPRESSOR FOR YOU?

The secret to getting the most out of your compressor is making sure you have the right unit to suit your needs. That's why we've developed on our website an easy to use product finder. In just a few simple steps you'll have a short list of the most appropriate compressors for you.

For further information contact our office or your local representative,

POWER SAVING

With increasing power costs it's important to make savings where you can. Selecting the right horsepower compressor is the first step and secondly what PSI the machine is set too. An increase of 1 BAR will increase the energy consumption by a massive 5%.

WARRANTY

12 MONTHS

Peerless Rotary Screw Compressors all come with a 12 months total unit warranty to give you a piece of mind when making a business investment. This is backed by a nationwide dealer and service agent network.

Please note: Power supply is very important when selecting an air compressor, along with selecting the right one for the application. Please talk to your local Peerless representative for help choosing whats best for you.

SPECIFICATIONS

10 & 20HP Models

MODEL	PBS10/8	PBS10/10	HQ10/8	HQ10/10	HQ20/8	HQ20/10
HP / KW	10HP / 7.5KW		10HP / 7.5KW		20HP / 15KW	
PSI / BAR	116PSI / 8BAR	145PSI / 10BAR	116PSI / 8BAR	145PSI / 10BAR	116PSI / 8BAR	145PSI / 10BAR
LPM	1150	950	1200	1000	2400	2200
M ³ /H	69	57	72	60	144	132
CFM	40.6	33.5	42.5	35.3	84.8	77.7
DB(A)	65		65		70	
AIR OUTLET	3/4" BSP		3/4" BSP		1" BSP	
AMP REQUIRED	25		25		35	
COOLING METHOD	AIR COOLED (AMBIENT TEMP, +15°C)					
DRIVING TYPE	BELT DRIVEN					
ALSO FULL FEATURE	✓ 300L AIR RECEIVER	✓ 300L AIR RECEIVER	✓ 500L AIR RECEIVER	✓ 500L AIR RECEIVER	✓ 500L AIR RECEIVER	✓ 500L AIR RECEIVER

Refrigeration Air Dryers

MODEL	HQ7.5D	HQ15D	HQ20D	HQ30D	HQ50D
HP	1/2	3/4	1	1 1/2	1 3/4
WORKING PRESSURE	MIN. 6 BAR – MAX. 10 BAR				
LPM	1000	2000	2500	3800	6500
M ³ /H	60	120	150	228	390
CFM	35.5	70.6	88.3	134.2	229.6
MAX INLET TEMP. (°C)	80°C				
AIR OUTLET	1/2" BSP	1 1/4" BSP	1 1/2" BSP	1 1/2" BSP	2" BSP
POWER PLUG	10 AMP PLUG FITTED				
WORKING AMBIENT TEMP (°C)	45°C				



Quality, Our DNA

PHONE 03 5434 4200 | FAX 03 5442 2129
EMAIL SALES@PEERLESSPRODUCTS.COM.AU



HIGHEST QUALITY COMPONENTRY
& EASE OF SERVICING



PEERLESS ROTARY SCREW COMPRESSORS

We Are Air

www.PEERLESSPRODUCTS.com.au



WHAT IS A ROTARY SCREW COMPRESSOR?



equipment or for high quality automotive spray painting.

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

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.

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.

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

INTELLIGENT CONTROL SYSTEM

FUNCTIONS AT FINGERTIPS

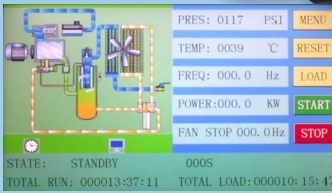
Features a microcomputer intelligent monitoring system with fully automated operation. The operator does not require special training with this easy to use touch screen controller.

SELF DIAGNOSIS

Save money and time with the self diagnosis continuously monitoring 12 important parameters set for your compressor. Also features fault recording to give you a clear picture of whats happening.

ADVANCED MICRO COMPUTER

The advanced micro computer can realise the early warning of oil filter blockage, oil & air separator blockage, air filter blockage,



(CONTROL PANEL)

high exhaust temperature warning and automatic protection of main motor phase error. The control system has self diagnosis and protection functions along with clear indication in all operating conditions.

PEERLESS PRODUCTS PTY LTD

ROTARY SCREW COMPRESSORS



MODELS AVAILABLE

BASEMOUNT

10HP & 20HP Base mount models are also available when the full feature units are not suitable. To compliment this we have a range of vertical and horizontal air receivers along with separate refrigeration air dryers.



FULL FEATURE

The Full Feature model which includes the screw, dryer and tank is a great all in one option saving you valuable floor space.

KEY FEATURES

EASE OF USE

All of our Rotary Screw Compressor models have a straight forward and simple design making them extremely easy to operate. It features a clear control layout so everything you need is accessible and simple to adjust.

SUPER QUIET

Ranging from a remarkable 65 dB(A) (+/-) to 70dB(A) our Rotary Screws are designed to be super quiet allowing you to focus on the important task at hand while putting out huge volumes of air.

LOCAL MANUFACTURER

Being Australian owned and manufactured we are easily contactable and our service is recognised to be the best in the compressor industry giving total support and commitment.

ROTORCOMP AIR-END

Recognised as the worlds best air-end for it's superior performance under all conditions and used in most major brand names.

OIL / AIR SEPERATOR

Unique design in filtration, this system uses triple separation for high efficiency and high segregation to assure the oil contains 2-3PPM.

HIGH QUALITY MOTOR

High quality motor and power efficiency, IP level 54 rated, insulated rate F class, SKF bearing which provides the efficiency in the motor performance.

SCHNEIDER ELECTRIC COMPONENTS

World leading brand of electric parts mainly in managing electric energy to reduce electricity consumption, assuring the stability of the electronic performance of the compressor.

OIL FILTER

We have fitted a high end filter which provides a high filtration rate of up to 5 microns which will assist in the removal of dust and any impurities.

INBUILT AIR RECEIVER

One of the main benefits of having a large 500L air receiver is maintaining steady air pressure as usage in the system may fluctuate with the use of certain air tools.

ACCESSIBLE MAINTENANCE PANELS

Easy lift off side panels make this unit extremely accessible when needed to be serviced or inspected.

AUSTRALIAN COMPLIANT

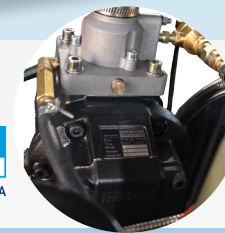
All Peerless Rotary Screw Pressure Vessels are Australian Compliant AS1210-3.



GENUINE ROTORCOMP AIR-END

ROTORCOMP VERDICHTER

Quality. Our DNA



AIR FILTRATION

As a compressor draws in air to compress it is also drawing in all the moisture and contaminants that are in the surrounding environment.

At Peerless we have a comprehensive range of Refrigeration Air Dryers, Higher Inline Filtration and Air Regulators to suit any specific requirements.

