Performance Chart

15–22 kW Rotary Screw Air Compressors

Model	Power	Capacity		Pressure		
50 Hz	kW	m³/min	cfm	barg	psig	dB(A)†
UP5-15-7	15	2.41	85	7.5	109	68
UP5-15-8	15	2.36	83	8.5	123	68
UP5-15-10	15	2.07	73	10	145	68
UP5-15-14	15	1.61	57	14	203	68
UP5-18-7	18.5	3.00	106	7.5	109	68
UP5-18-8	18.5	2.87	101	8.5	123	68
UP5-18-10	18.5	2.61	92	10	145	68
UP5-18-14	18.5	2.01	71	14	203	68
UP5-22-7	22	3.54	125	7.5	109	69
UP5-22-8	22	3.34	118	8.5	123	69
UP5-22-10	22	3.11	110	10	145	69
UP5-22-14	22	2.32	82	14	203	69

Dimension		Length	Width	Height	Weight
Baseplate Unit	kW	mm (in)	mm (in)	mm (in)	kg
Without Dryer	15	1321 (52)	914 (36)	1080 (42.5)	509
Without Dryer	18.5	1321 (52)	914 (36)	1080 (42.5)	532
Without Dryer	22	1321 (52)	914 (36)	1080 (42.5)	540
With Dryer Unit	15–22	1702 (67)	920 (36.25)	1080 (42.5)	650

† Measured in accordance with CAGI-pneurop test code PN8NTC2.3
† Sound levels per ISO 2151:2004 annex C

30–37 kW Rotary Screw Air Compressors

Model	Power	Capacity		Pressure		
50 Hz	kW	m³/min	cfm	barg	psig	dB(A)†
UP5-30-7.5	30	5.60	191	7.5	109	69±3
UP5-30-8.5	30	4.90	180	8.5	123	69±3
UP5-30-10	30	4.81	169	10	145	69±3
UP5-30-14	30	4.05	138	14	203	69±3
UP5-37-7.5	37	6.20	212	7.5	109	69±3
UP5-37-8.5	37	6.00	208	8.5	123	69±3
UP5-37-10	37	5.70	201	10	145	69±3
UP5-37-14	37	4.80	167	14	203	69±3

Dimension		Length	Width	Height	Weight
Baseplate Unit	kW	mm (in)	mm (in)	mm (in)	kg
Without Dryer	30	1713 (67.4)	1380 (54.3)	1344 (52.9)	1105
Without Dryer	37	1713 (67.4)	1380 (54.3)	1344 (52.9)	1125
With Dryer Unit	30-37	1713 (67.4)	1380 (54.3)	1344 (52.9)	1142

* Performance in accordance with ISO 1217 1996 annex C
† Measured in accordance with CAGI-pneurop test code PN8NTC2.3
† Sound levels per ISO 2151:2004 annex C

15–37 kW Rotary Screw Air Compressors - VFD

Pressure & FlowChart	15 kW	18 kW	22 kW	30 kW	37 kW
7.5 Bar	43 - 85	53 - 106	63 - 125	96 - 191	106 - 212
8.5 Bar	42 - 83	56 - 101	59 - 118	90 - 180	104 - 208
10 Bar	37 - 73	46 - 92	55 - 110	85 - 169	101 - 201
14 Bar	29 - 57	36 - 71	41 - 82	69 - 138	84 - 167
Note : Flow is in cubic feet per minute (cfm)					
Sound	68 dB(A)	68 dB(A)	69 dB(A)	69 + 3 dB(A)	69 + 3 dB(A)
Weight	509 kg	532 kg	540 kg	1105 kg	1125 kg
Dimensions	1321 x 914 x 1080	1321 x 914 x 1080	1321 x 914 x 1080	1712 x 1380 x 1344	1712 x 1380 x 1344

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Contact Cooled Rotary Screw Compressors

15-37 kW with Integrated VFD or Dryer

Fixed Speed

The world's most logical compressor

- Proven airend
- Fewer connections
- Advanced packaging

Integrated Dryer

The world's most easy to use compressor

- Smooth start up
- Reduced noise level
- Accurate information

Integrated VFD

The world's most economical air compressor

- VFD control
- Multiple machine operation
- Best part load efficiency

Performance that Pays

The UP-Series gives you advantages in both performance and value. For example, the high-efficiency, low-speed motor and airend reduce energy usage, extending the life of the unit, giving you a lower total cost of ownership.

All-Around Quiet

Quiet operation is one of the most valued benefits resulting from the performance breakthroughs on the UP-Series. A number of factors contribute to reduced compressor noise levels, including: a high-efficiency airend and motor; a horizontal separator, specially designed to dampen noises; a centrifugal fan, and a compartmentalized enclosure system that is designed for superior acoustic (sound) containment.

Long-Term Value

Air compressors prove their value by giving you ongoing and reliable performance. A large part of the UP-Series' value comes from its many design innovations. You benefit with longer equipment life. Additionally, the separator features a design that makes changes simple. A cooling air pre-filter, which traps airborne dirt particles, protects against cooler blockage.

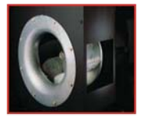
Ultra Coolant

The factory fill of Ultra Coolant offers unmatched performance and improved compressor efficiency. This advanced synthetic lubricant reduces friction and delivers lower rates of wear than possible with conventional oils. It also saves on maintenance costs, since its superior performance allows drain intervals to be extended to 8,000 hours before a required change.

UP-Series Rotary Screw Air Compressors - Fixed Speed

A Higher Standard of Performance

Whisper-Quiet Operation Oversized, high-efficiency cooling air blower provides sound levels as low as 67 dBA.



Poly-V Belt Drive Premium drive system applies patented automatic tensioning to eliminate belt stretch and increase air output.

Dual-Control Operation Reliable and effective load/no-load control with automatic stop and restart facility for maximum flexibility.

Advanced Cooling A package pre-filter, efficient combination aftercooler with access to both sides for easy cleaning and top discharge to simplify ducting.

Simple Diagnostics Visual indication of operating status and hours run for ease of operation and reduced downtime.

Generous Serviceability All key maintenance components have been grouped to provide ease of serviceability.

UP-Series Rotary Screw Air Compressors - TAS

(Integrated Dryer Option)

Modular Cross Flow Heat Exchanger - incurs minimum air pressure losses while ensuring efficient water removal. Direct expansion type refrigerated dryer reliably dries the compressed air whenever the machine is loaded. Composite welded aluminum heat exchanger for low losses, high thermal efficiency and long service life. Solenoid drain valve and high efficiency moisture separator to permanently discharge condensate.

15–37 kW- TAS Rotary Screw Air Compressors

Dry & Clean Compressed Air

The right air quality to do the job

All TotalAir System packages come fully equipped with an integral, energy saving air treatment center including high performance air dryer and filtration pack to remove water, oil and particles from the air stream.

All components are perfectly matched to deliver the right air quality to increase air powered tool and system equipment life.

UP-Series Rotary Screw Air Compressors - VFD

(Integrated VFD Option)

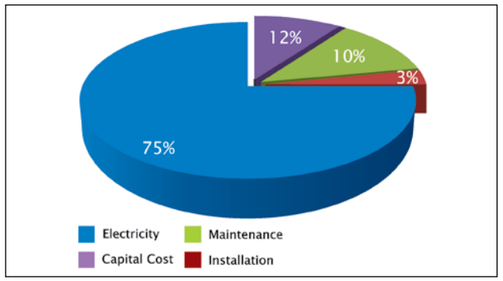
Integrated Variable Speed Drive

Responding to fluctuation in your system demand and maintaining a close controlled system pressure, VFD automatically adjusts its compressed air output to achieve the highest efficiency for your operation. This avoids wasted energy caused by excessive pressure band or unloaded running, allowing you to:

- Achieve higher productivity from your air system.
- Maintain optimum performance from the equipment you operate.
- Save up to 35% energy cost.

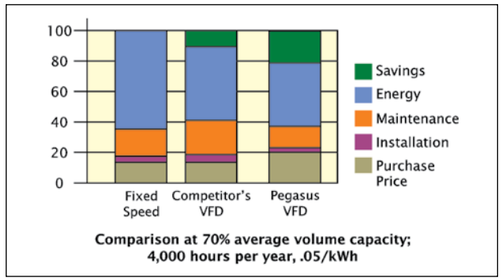
Lower Cost of Ownership

The energy savings achieved by a VFD compressor equates to lower life cycle cost. The typical compressor cost of ownership consists of the initial purchase, installation, maintenance and energy. Since energy is typically the majority of the cost of compressor ownership, VFD's improved efficiency can result in significant energy savings.



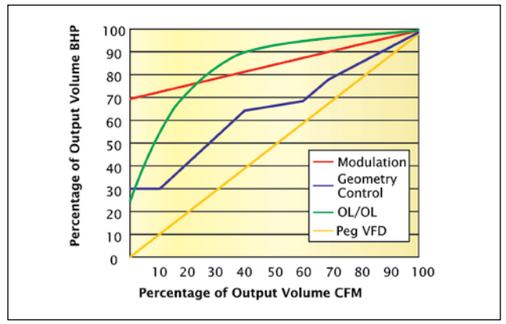
Utility company rebates

Utility companies around the world are looking for opportunities to save energy. The energy saving potential of VFD could result in significant energy refunds. Rebates can be as much as 100%.



Energy Savings

The energy savings realized by a VFD compressor compared to a standard compressor is substantial. Depending upon the application and air demand profile, VFD compressor can achieve 25-35% energy savings! By Allowing continual operation at the desired pressure, VFD eliminates energy wasted during conventional control of cycling Responding to fluctuation in your system demand and maintaining a close controlled system pressure, the VFD compressor automatically adjusts its compressed air output to achieve the highest efficiency for your operation. This avoids wasted energy caused by excessive pressure band or unloaded running.



Best Efficiency at Part load

When operating at part-load, the performances top in class. The variable speed Drive avoids load cycling and maintains a steady state of operation, reducing operating and maintenance costs.

Multiple Machine Operation

When Operating as a pressure trim machine, the power savings achieved by a single compressor is multiplied by additional savings achieved over the full installation.

Soft Starter

The VFD is inherently Soft Starting which allows for controlled acceleration and deacceleration. The result is reduced stress on mechanical components and enhanced system reliability-all of which extended the life of the compressor.

Accurate Information

The VFD control panel displays a variety of operating data. Displayed information includes

• Frequency(Hz) • Power(kW) • Motor RPM
• Motor Current • Hours • Torque