

Avelair

compressed air solutions



www.avelair.co.uk

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We're a dedicated team of compressed air specialists, passionate about good design, energy efficiency and reliability.

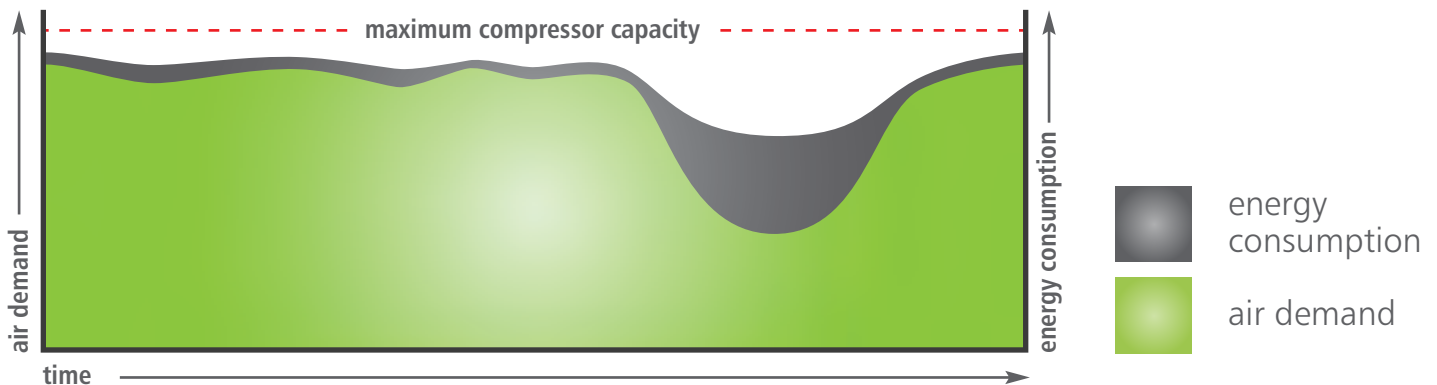
Our philosophy is to focus on exceptional customer care as a foundation for long term relationships with our customers.

Our confidence in our compressors is reflected in our 5 year warranty, ensuring long term peace of mind.

Best of all, we design and manufacture the compressors here in the UK, which means quality workmanship and total technical backup whenever you need it.

Fixed speed rotary screw compressors

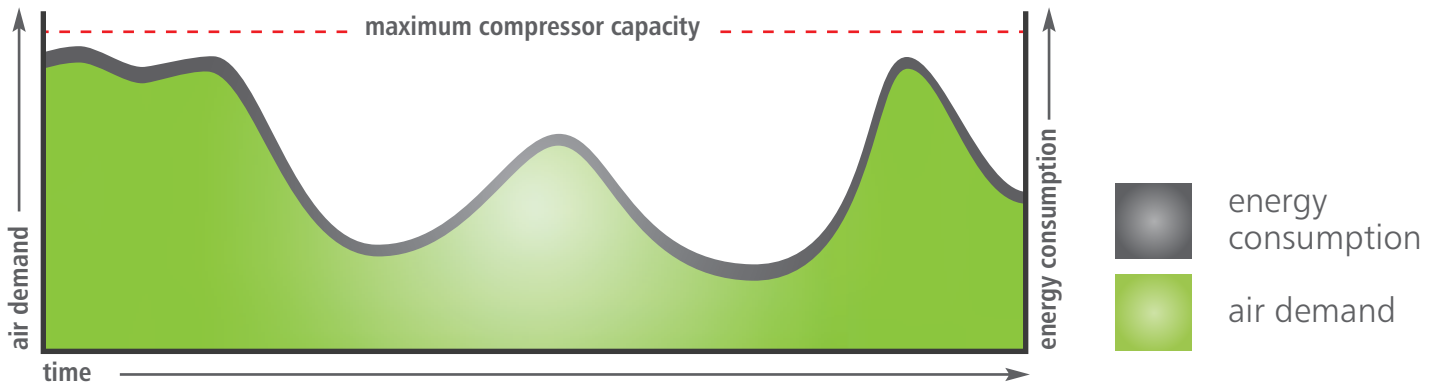
- Ideal for compressed air users who have a fairly constant demand or who require a base load compressor to work alongside a variable speed compressor
- High performance air ends ensure high air output from energy input ensuring cost effective production of air
- High efficiency motors ensure optimum running efficiency and longer service life
- Tried and tested components ensure long term reliability



The Avelair fixed speed compressors are efficient for constant air demand users. When air demand reduces, the compressor will run offload making it less efficient to run than a variable speed compressor.

Variable speed rotary screw compressors

- The perfect choice for users who have a variable compressed air demand
- The compressors use a high performance inverter to smoothly alter the motor speed in response to demand for air, ensuring there is no offload running. You only pay for the compressed air you use
- In many cases this can reduce energy costs by 35% or more, with paybacks from around 6 - 18 months
- The inverter further saves energy by accurately maintaining the system pressure within a 0.1 bar margin, and by soft starting which reduces start up current peaks and wear on the motor and drive system



The Avelair variable speed compressors mirror the demand for air by altering the motor speed ensuring you only pay for the air you use.

Fixed speed rotary screw compressors

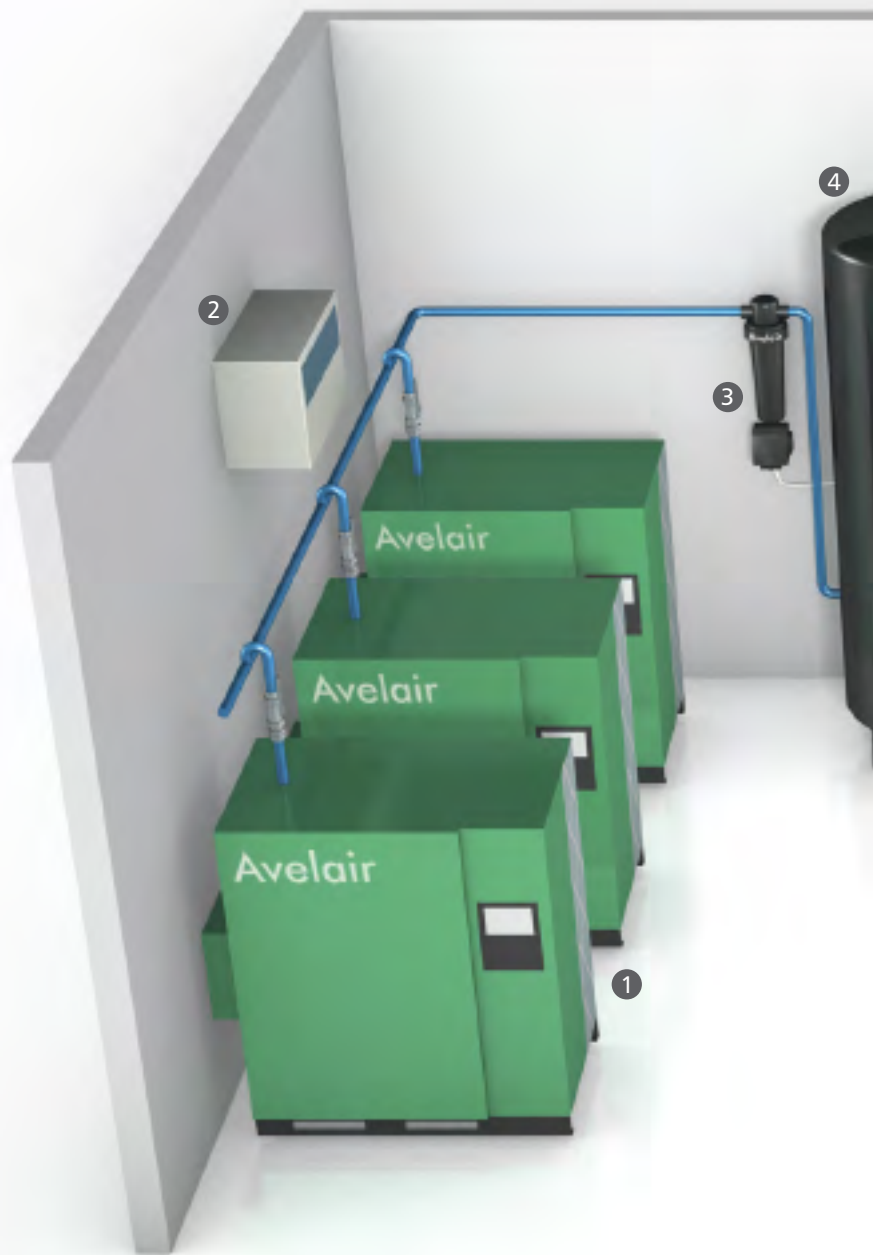
model	motor	capacity 8 bar		capacity 10 bar		receiver size optional	built on dryer / filters optional	page
EDN 2.2	2.2kW	10 cfm	17 m ³ /hr	n/a	n/a	250L	yes	12
EDN 4	4kW	20 cfm	34 m ³ /hr	15 cfm	26 m ³ /hr	250L	yes	12
EDN 5.5	5.5kW	28 cfm	48 m ³ /hr	24 cfm	41 m ³ /hr	250L	yes	12
EDN 7.5	7.5kW	39 cfm	66 m ³ /hr	33 cfm	56 m ³ /hr	250L	yes	12
EDN 11	11kW	58 cfm	99 m ³ /hr	49 cfm	83 m ³ /hr	300L	yes	14
EDN 15	15kW	72 cfm	122 m ³ /hr	56 cfm	95 m ³ /hr	300L	yes	14
LE 15	15kW	88 cfm	150 m ³ /hr	80 cfm	136 m ³ /hr	640L	yes	16
LE 18.5	18.5kW	108 cfm	183 m ³ /hr	94 cfm	160 m ³ /hr	640L	yes	16
LE 22	22kW	120 cfm	204 m ³ /hr	106 cfm	180 m ³ /hr	640L	yes	16
LE 30	30kW	141 cfm	240 m ³ /hr	127 cfm	216 m ³ /hr	640L		16
RMS 30	30kW	186 cfm	316 m ³ /hr	169 cfm	286 m ³ /hr			18
RMS 37	37kW	221 cfm	375 m ³ /hr	198 cfm	336 m ³ /hr			18
RMS 45	45kW	265 cfm	450 m ³ /hr	238 cfm	405 m ³ /hr			18
RMS 55	55kW	292 cfm	496 m ³ /hr	263 cfm	447 m ³ /hr			18
LS 45	45kW	295 cfm	502 m ³ /hr	255 cfm	434 m ³ /hr			20
LS 55	55kW	360 cfm	612 m ³ /hr	314 cfm	534 m ³ /hr			20
LS 75	75kW	466 cfm	793 m ³ /hr	414 cfm	707 m ³ /hr			20
LS 90	90kW	550 cfm	935 m ³ /hr	494 cfm	840 m ³ /hr			20

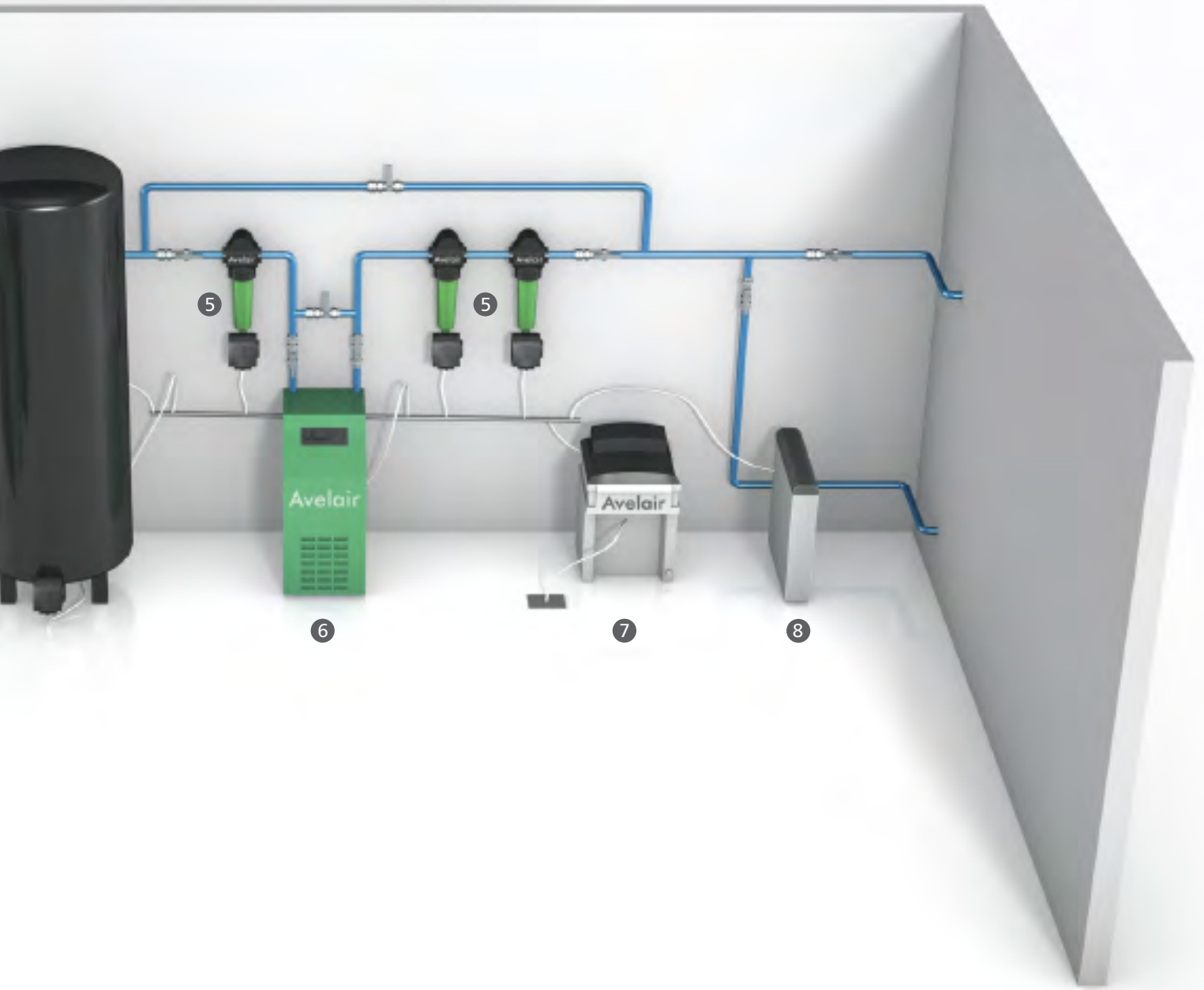
Variable speed rotary screw compressors

model	motor	capacity 8 bar		capacity 10 bar		receiver size optional	built on dryer / filters optional	page
		cfm	m ³ /hr	cfm	m ³ /hr			
VSD 7.5	7.5kW	39 cfm	66 m ³ /hr	33 cfm	56 m ³ /hr	300L	yes	14
VSD 11	11kW	58 cfm	99 m ³ /hr	49 cfm	83 m ³ /hr	300L	yes	14
VSD 15	15kW	88 cfm	150 m ³ /hr	80 cfm	136 m ³ /hr	640L	yes	16
VSD 18.5	18.5kW	108 cfm	183 m ³ /hr	94 cfm	160 m ³ /hr	640L	yes	16
VSD 22	22kW	120 cfm	204 m ³ /hr	106 cfm	180 m ³ /hr	640L	yes	16
VSD 30	30kW	141 cfm	240 m ³ /hr	127 cfm	216 m ³ /hr	640L		16
VSD 30L	30kW	186 cfm	316 m ³ /hr	169 cfm	286 m ³ /hr			18
VSD 37	37kW	221 cfm	375 m ³ /hr	198 cfm	336 m ³ /hr			18
VSD 45	45kW	265 cfm	450 m ³ /hr	238 cfm	405 m ³ /hr			18
VSD 45L	45kW	295 cfm	502 m ³ /hr	255 cfm	434 m ³ /hr			20
VSD 55	55kW	292 cfm	496 m ³ /hr	263 cfm	447 m ³ /hr			18
VSD 55L	55kW	360 cfm	612 m ³ /hr	314 cfm	534 m ³ /hr			20
VSD 75	75kW	466 cfm	793 m ³ /hr	414 cfm	707 m ³ /hr			20
VSD 90	90kW	550 cfm	935 m ³ /hr	494 cfm	840 m ³ /hr			20

Avelair run a continuous improvement program and as such details are subject to change without notice. E&OE

1. A multiple compressor set up offers efficiency and complete compressed air back up
2. For single / multiple systems, the Avelair compressor management controller ensures reduced energy consumption whilst enhancing the control of the compressed air equipment
3. The Avelair cyclonic water separators use centrifugal motion to force bulk liquid water out of compressed air allowing dryers to work more efficiently
4. The air receiver offers a storage vessel for compressed air, it allows the compressor to function efficiently and further removes some condensate from the system
5. Oil and hydrocarbons from the ambient air and the compression process are carried across into the compressed air. The Avelair in line filters remove this contaminant from the system preventing damage to equipment and product spoilage
6. When compressed air cools after compression, water is precipitated in the form of an oily condensate. This can travel downstream in the pipe where it can damage equipment and cause product spoilage. The Avelair refrigerant dryer will remove this moisture down to 3°C dewpoint
7. The Avelair condensate management system collects oil contaminated condensate and purifies to the legal discharge limits for a foul sewer drain
8. The Avelair desiccant dryer will remove moisture down to -20°C, -40°C or even -70°C dewpoint





Typical compressed air system



Dimensions (mm)

Without Receiver	With Receiver
L 1150	L 1625
D 610	D 620
H 710	H 1215

EDN 2.2 to 7.5

10 cfm to 39 cfm • 6 to 15 bar

1. Designed and manufactured here in the UK, which means quality workmanship and total technical backup whenever you need it
2. 5 year parts warranty is offered ensuring long term peace of mind
3. High performance encapsulated air ends - optimum air output from power input and no separator vessel inspections required, reducing future costs
4. High efficiency IE 2 and IE 3 motors - reduced running costs and longer service life
5. Built in oil/air aftercooler ensuring reduced compressed air temperature
6. Electronic control system - user friendly information at the touch of a button, offers the ability to link in to a compressor management system
7. Ease of maintenance from the front of the compressor - spin on / off separators and oil filters - reduced service costs
8. High quality robust steel enclosure and acoustic foam for low noise operation
9. Rigid steel piping for oil and air - no expensive hose replacements or leaks
10. Pre intake filter panel ensuring clean internal environment



Options available:

- receiver mounted (250L, British Manufactured)
- integral refrigerant or desiccant dryer
- integral filtration autodrain and condensate management system
- fixed speed or variable speed drives



Dimensions (mm)

Without Receiver	With Receiver
L 1074	L 1438
D 780	D 780
H 980	H 1655

EDN 11 to 15 and VSD 7.5 to 11

39 cfm to 72 cfm • 6 to 15 bar

1. Designed and manufactured here in the UK, which means quality workmanship and total technical backup whenever you need it
2. 5 year parts warranty is offered ensuring long term peace of mind
3. High performance encapsulated air ends - optimum air output from power input and no separator vessel inspections required, reducing future costs
4. High efficiency IE 2 and IE 3 motors - reduced running costs and longer service life
5. Hot air discharge from the aftercooler is available from the top or left hand side offering complete flexibility for installation and heat recovery
6. Electronic control system - user friendly information at the touch of a button. Offers the ability to link in to a compressor management system
7. Ease of maintenance from the front of the compressor - spin on / off separators and oil filters - reduced service costs
8. High quality robust steel enclosure and acoustic foam for low noise operation
9. Rigid steel piping for oil and air - no expensive hose replacements or leaks
10. Pre intake filter panel ensuring clean internal environment



Options available:

- receiver mounted (300L, British Manufactured)
- integral refrigerant or desiccant dryer
- integral filtration autodrain and condensate management system
- fixed speed or variable speed drives



Dimensions (mm)

Without Receiver	With Receiver
L 1325	L 1700
D 808	D 836
H 1235	H 1950

LE and VSD 15 to 30

88 cfm to 141 cfm • 6 to 15 bar

1. Designed and manufactured here in the UK, which means quality workmanship and total technical backup whenever you need it
2. 5 year parts warranty is offered ensuring long term peace of mind
3. High performance encapsulated air ends - optimum air output from power input and no separator vessel inspections required, reducing future costs
4. High efficiency IE 2 and IE 3 motors - reduced running costs and longer service life
5. Hot air discharge from the aftercooler is available from the top or left hand side offering complete flexibility for installation and heat recovery
6. Electronic control system - user friendly information at the touch of a button. Offers the ability to link in to a compressor management system
7. Ease of maintenance from the front of the compressor - spin on / off separators and oil filters - reduced service costs
8. High quality robust steel enclosure and acoustic foam for low noise operation
9. Rigid steel piping for oil and air - no expensive hose replacements or leaks
10. Pre intake filter panel ensuring clean internal environment



Options available:

- receiver mounted (640L, British Manufactured)
- integral refrigerant or desiccant dryer
- filtration and autodrain for receiver
- fixed speed or variable speed



Dimensions (mm)

L 1980

D 1160

H 1740

RMS and VSD 30 to 55

195 cfm to 300 cfm • 6 to 15 bar

1. Designed and manufactured here in the UK, which means quality workmanship and total technical backup whenever you need it
2. 5 year parts warranty is offered ensuring long term peace of mind
3. Blower type fan - efficient, ultra quiet and suitable for high ambient temperatures
4. High performance encapsulated air ends - optimum air output from power input and no separator vessel inspections required, reducing future costs
5. High efficiency IE 2 and IE 3 motors - reduced running costs and longer service life
6. S1 Electronic control system - user friendly information at the touch of a button. Offers the ability to link in to a compressor management system
7. Ease of maintenance from the front of the compressor - spin on / off separators and oil filters - reduced service costs
8. High quality robust steel enclosure and acoustic foam for low noise operation
9. Rigid steel and flexible stainless piping for oil and air - no expensive rubber hose replacements or leaks
10. Pre intake filter panel ensuring clean internal environment



Options available:

- fixed speed or variable speed



Dimensions (mm)

L 2580

D 1320

H 2020

LS and VSD 45 to 90

295 cfm to 550 cfm • 6 to 15 bar

1. Designed and manufactured here in the UK, which means quality workmanship and total technical backup whenever you need it
2. 5 year parts warranty is offered ensuring long term peace of mind
3. High performance air ends - optimum air output from power input, reducing running costs
4. High efficiency IE 2 and IE 3 motors - reduced running costs and longer service life
5. S1 Electronic control system - user friendly information at the touch of a button. Offers the ability to link in to a compressor management system
6. Ease of maintenance from the front of the compressor - spin on / off separators and oil filters - reduced service costs
7. High quality robust steel enclosure and acoustic foam for low noise operation
8. Rigid steel and flexible stainless piping for oil and air - no expensive rubber hose replacements or leaks



Options available:

- fixed speed or variable speed

We're committed to providing the most efficient compressed air system for your business.

Contact the team to see how we can help...

Avelair
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