



Avelair

compressed air solutions

8 YEAR PERFORMANCE⁺
PEACE OF MIND WARRANTY

 **MADE IN
BRITAIN**





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.

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PEACE OF MIND WARRANTY

Our confidence in our compressor airends is reflected in our 8 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.

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PEACE OF MIND WARRANTY





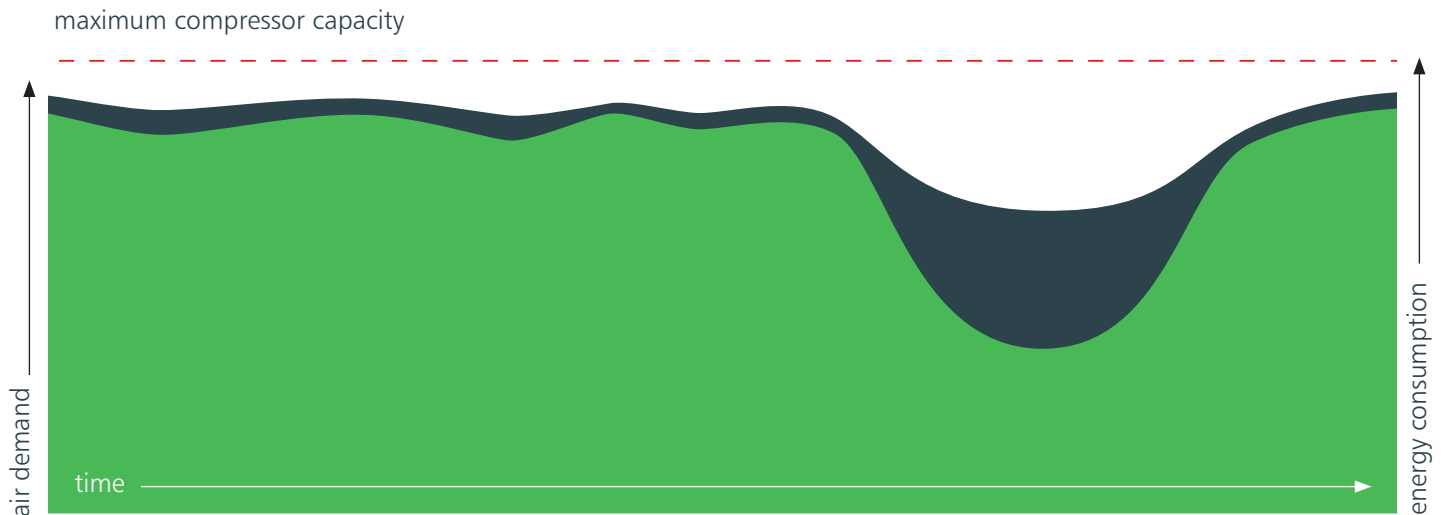
Fixed speed

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.

Premium IE3 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.

air demand



energy consumption



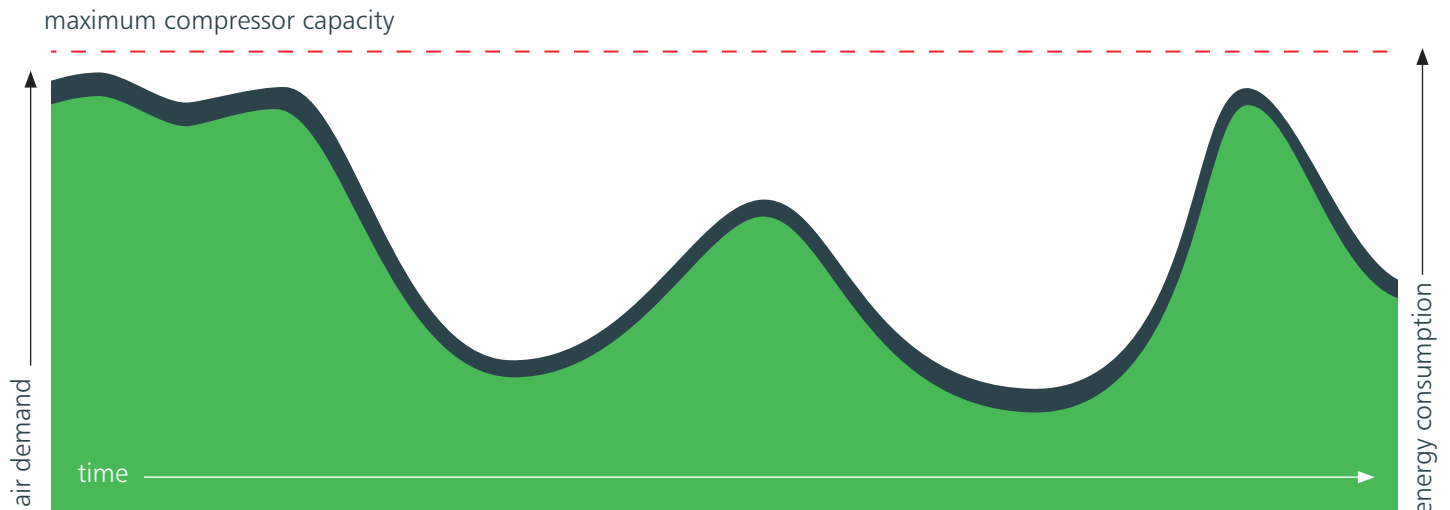
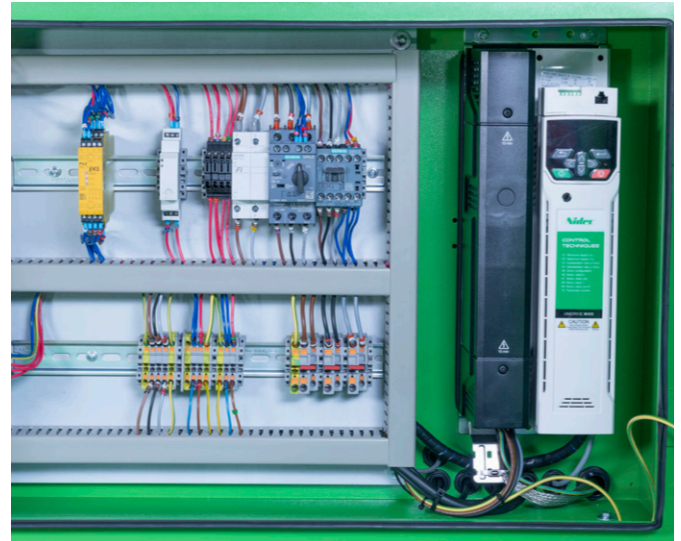
Variable speed

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 optimum energy efficiency.

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 0.2 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

model	motor	capacity 8 bar		capacity 10 bar		receiver size optional	built on dryer / filters optional
EVO 2.2	2.2kW	10 cfm	17 m ³ /hr	n/a	n/a	250L	yes
EVO 3.7	3.7kW	17 cfm	29 m ³ /hr	13 cfm	23 m ³ /hr	250L	yes
EVO 4	4kW	25 cfm	42 m ³ /hr	19 cfm	32 m ³ /hr	250L	yes
EVO 5.5	5.5kW	35 cfm	60 m ³ /hr	29 cfm	49 m ³ /hr	250L	yes
EVO 7.5	7.5kW	39 cfm	66 m ³ /hr	33 cfm	56 m ³ /hr	250L	yes
EVO 11	11kW	58 cfm	99 m ³ /hr	49 cfm	83 m ³ /hr	300L	yes
EVO 15	15kW	72 cfm	122 m ³ /hr	56 cfm	95 m ³ /hr	300L	yes
EVO 15X	15kW	88 cfm	150 m ³ /hr	80 cfm	136 m ³ /hr	660L	yes
EVO 18.5	18.5kW	108 cfm	183 m ³ /hr	94 cfm	160 m ³ /hr	660L	yes
EVO 22	22kW	120 cfm	204 m ³ /hr	106 cfm	180 m ³ /hr	660L	yes
EVO 30	30kW	141 cfm	240 m ³ /hr	127 cfm	216 m ³ /hr	660L	
EVO 37	37kW	169 cfm	287 m ³ /hr	148 cfm	252 m ³ /hr	660L	
EVO 30X	30kW	181 cfm	307 m ³ /hr	162 cfm	275 m ³ /hr		
EVO 37X	37kW	216 cfm	367 m ³ /hr	195 cfm	331 m ³ /hr		
EVO 45	45kW	263 cfm	447 m ³ /hr	240 cfm	408 m ³ /hr		
EVO 55	55kW	327 cfm	559 m ³ /hr	288 cfm	490 m ³ /hr		
EVO 55X	55kW	390 cfm	663 m ³ /hr	341 cfm	580 m ³ /hr		
EVO 75	75kW	466 cfm	792 m ³ /hr	414 cfm	704 m ³ /hr		
EVO 90	90kW	581 cfm	988 m ³ /hr	518 cfm	881 m ³ /hr		

Variable speed

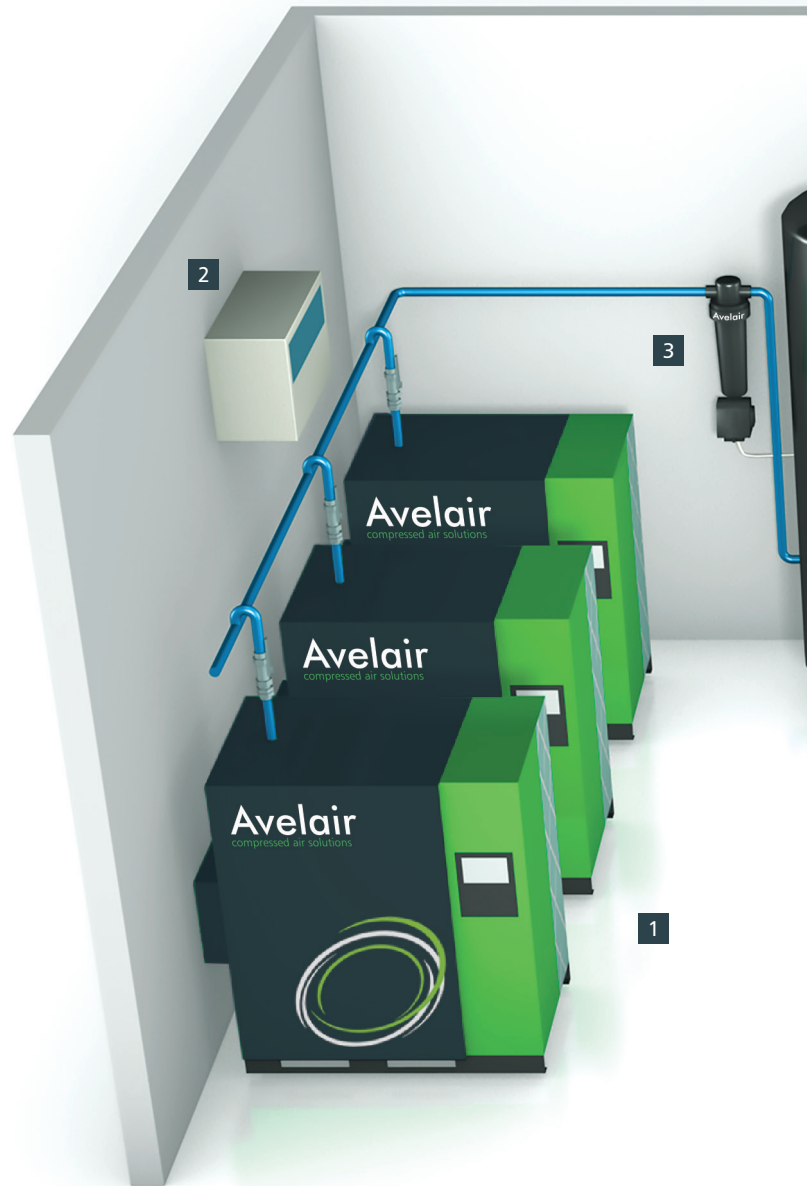
model	motor	capacity 8 bar		capacity 10 bar		receiver size optional	built on dryer / filters optional
		cfm	m ³ /hr	cfm	m ³ /hr		
VSD 7.5	7.5kW	39 cfm	66 m ³ /hr	33 cfm	56 m ³ /hr	300L	yes
VSD 11	11kW	58 cfm	99 m ³ /hr	49 cfm	83 m ³ /hr	300L	yes
VSD 15	15kW	72 cfm	122 m ³ /hr	56 cfm	95 m ³ /hr	300L	yes
VSD 15X	15kW	88 cfm	150 m ³ /hr	80 cfm	136 m ³ /hr	660L	yes
VSD 18.5	18.5kW	108 cfm	183 m ³ /hr	94 cfm	160 m ³ /hr	660L	yes
VSD 22	22kW	120 cfm	204 m ³ /hr	106 cfm	180 m ³ /hr	660L	yes
VSD 30	30kW	141 cfm	240 m ³ /hr	127 cfm	216 m ³ /hr	660L	
VSD 30X	30kW	181 cfm	308 m ³ /hr	162 cfm	275 m ³ /hr		
VSD 37	37kW	216 cfm	367 m ³ /hr	195 cfm	331 m ³ /hr		
VSD 45	45kW	263 cfm	447 m ³ /hr	240 cfm	408 m ³ /hr		
VSD 55	55kW	318 cfm	541 m ³ /hr	280 cfm	476 m ³ /hr		
VSD 75	75kW	520 cfm	884 m ³ /hr	459 cfm	780 m ³ /hr		
VSD 90	90kW	611 cfm	1,039 m ³ /hr	547 cfm	930 m ³ /hr		

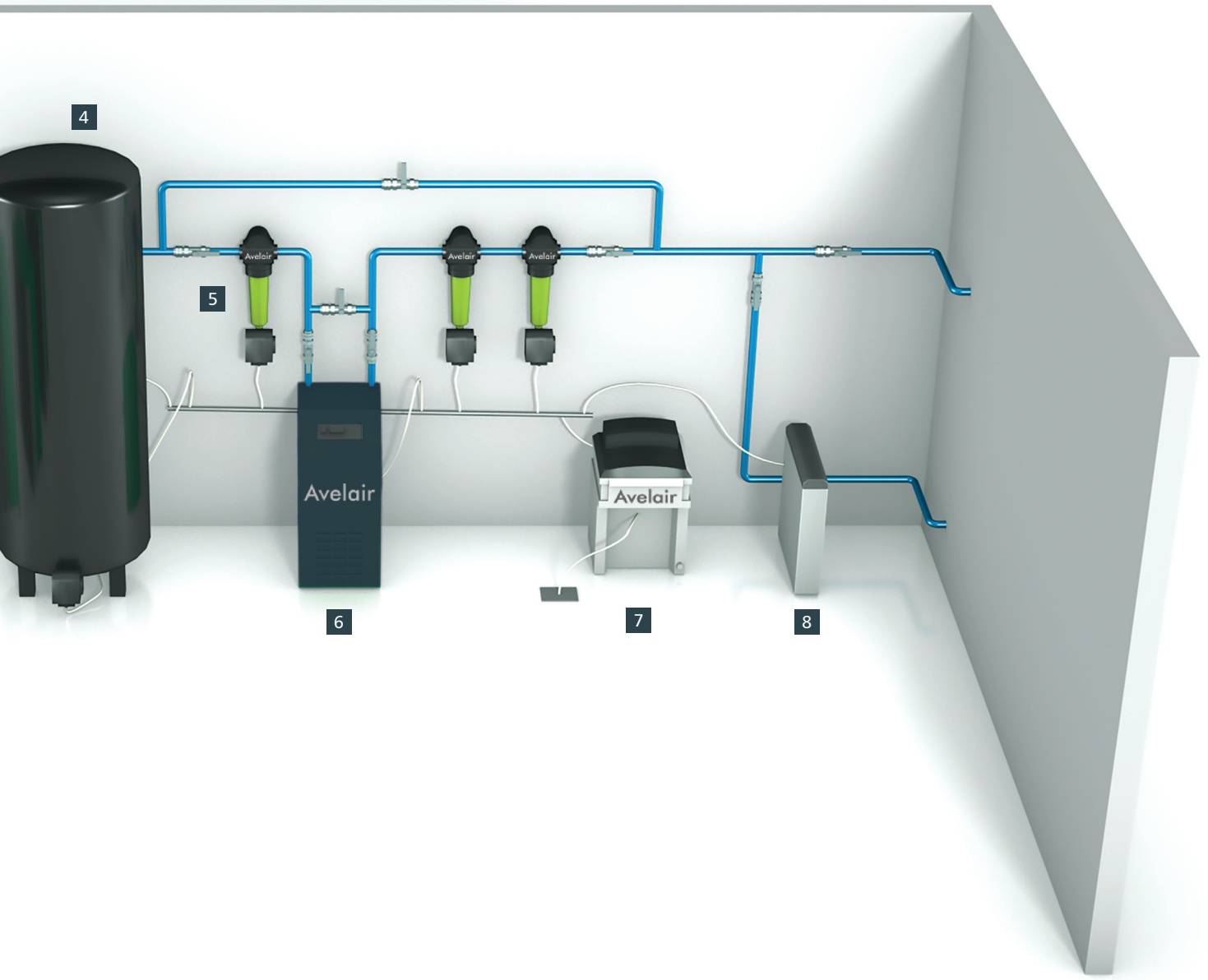
Avelair run a continuous improvement program and as such details are subject to change without notice. E&OE



Typical compressed air system

- 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 work 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





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**MADE IN
BRITAIN**

UK design and manufacture

Giving you quality workmanship and total technical backup



Advantages

- ✓ **Long term peace of mind**
With an 8-year air end and a 5-year compressor warranty
- ✓ **Reduced running costs**
Our premium efficiency IE3 motors provide longer service life
- ✓ **User friendly**
Electronic controls provide information at the touch of a button
- ✓ **Easy maintenance**
Spin on/off separators and oil filters mean reduced service costs
- ✓ **Low noise**
Due to our acoustic foam and robust steel enclosure
- ✓ **Clean internal environment**
Thanks to our pre intake filter panel

Options available

- Receiver mounted – 250L
- Integral refrigerant or desiccant dryer
- Integral filtration autodrain and condensate management system

Dimensions (mm)

- Without Receiver
L 1200 | D 610 | H 710
- With Receiver
L 1600 | D 610 | H 1220

eVO 2.2 to 7.5

motor: 2.2 - 7.5 kW

type: fixed speed

capacity: 10 - 39 cfm

pressure: 6 - 15 bar



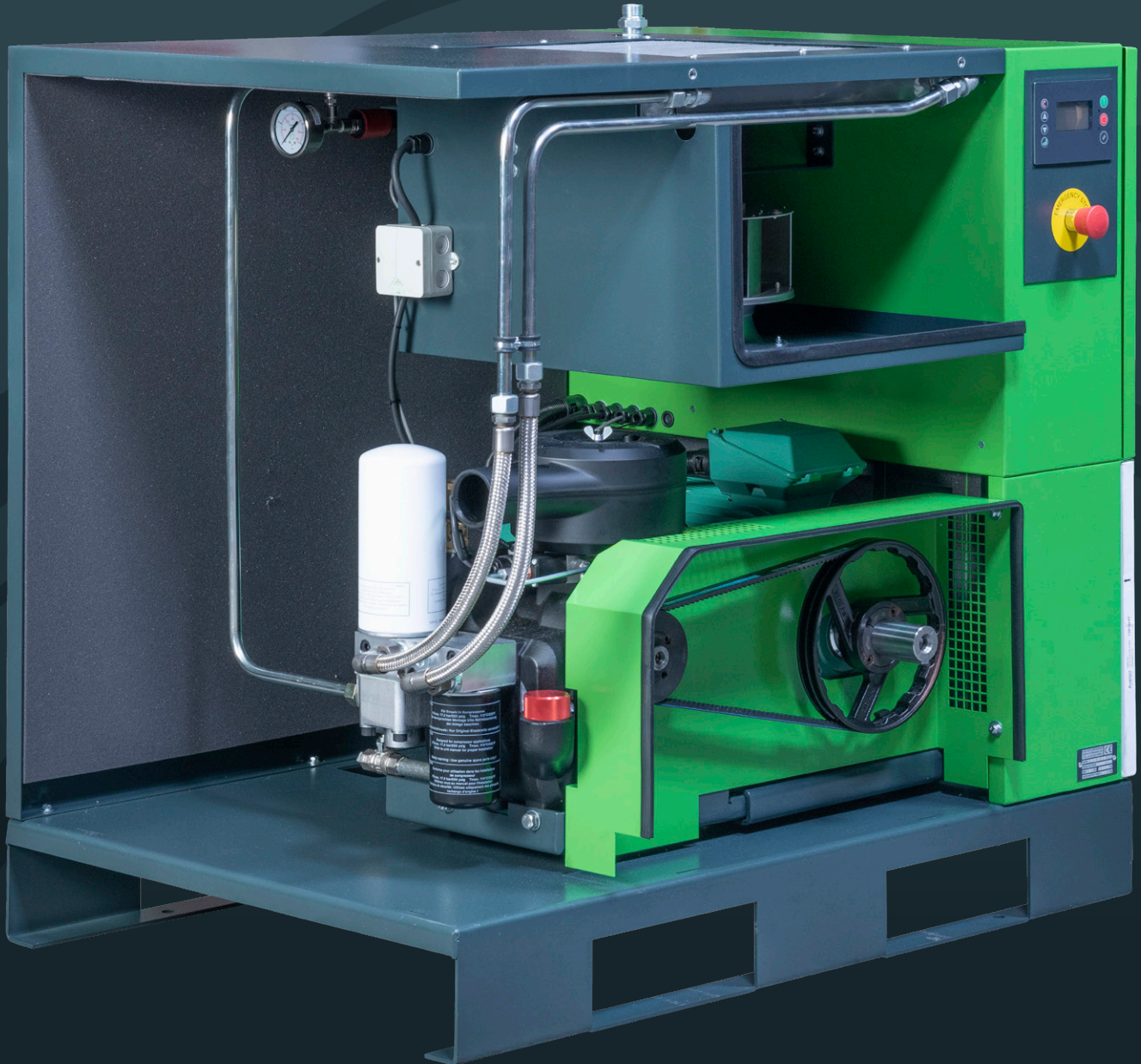
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Options available

- Receiver mounted – 300L
- Integral refrigerant or desiccant dryer
- Integral filtration autodrain and condensate management system
- Fixed speed or variable speed drives

Dimensions (mm)

Without Receiver
L 1135 | D 795 | H 1050

With Receiver
L 1290 | D 795 | H 1630

eVO 11 to 15 and VSD 7.5 to 15

motor: 7.5 - 15 kW

type: fixed and variable speed

capacity: 39 - 72 cfm

pressure: 6 - 15 bar



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Options available

- Receiver mounted – 660L
- Integral refrigerant or desiccant dryer
- Filtration and autodrain for receiver
- Fixed speed or variable speed

Dimensions (mm)

Without Receiver
L 1400 | D 878 | H 1235

With Receiver
L 1785 | D 878 | H 1950

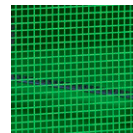
eVO 15X to 37 and VSD 15X to 30

motor: 15 - 37 kW

type: fixed and variable speed

capacity: 88 - 169 cfm

pressure: 6 - 15 bar



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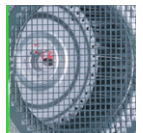
eVO and VSD 30X to 55

motor: 30 - 55 kW

type: fixed and variable speed

capacity: 181 - 327 cfm

pressure: 6 - 15 bar



Options available

Air cooled or water cooled
Fixed speed or variable speed drives

Dimensions (mm)

L 1980 | D 1160 | H 1740

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evo 55X to 90 and VSD 75 to 90

motor: 55 - 90 kW

type: fixed and variable speed

capacity: 390 - 611 cfm

pressure: 6 - 15 bar

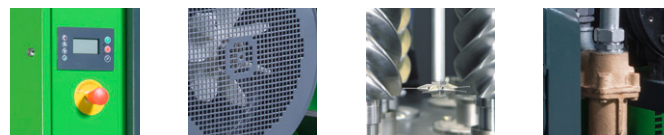


Options available

Air cooled or water cooled
Fixed speed or variable speed drives

Dimensions (mm)

L 2580 | D 1320 | H 2020



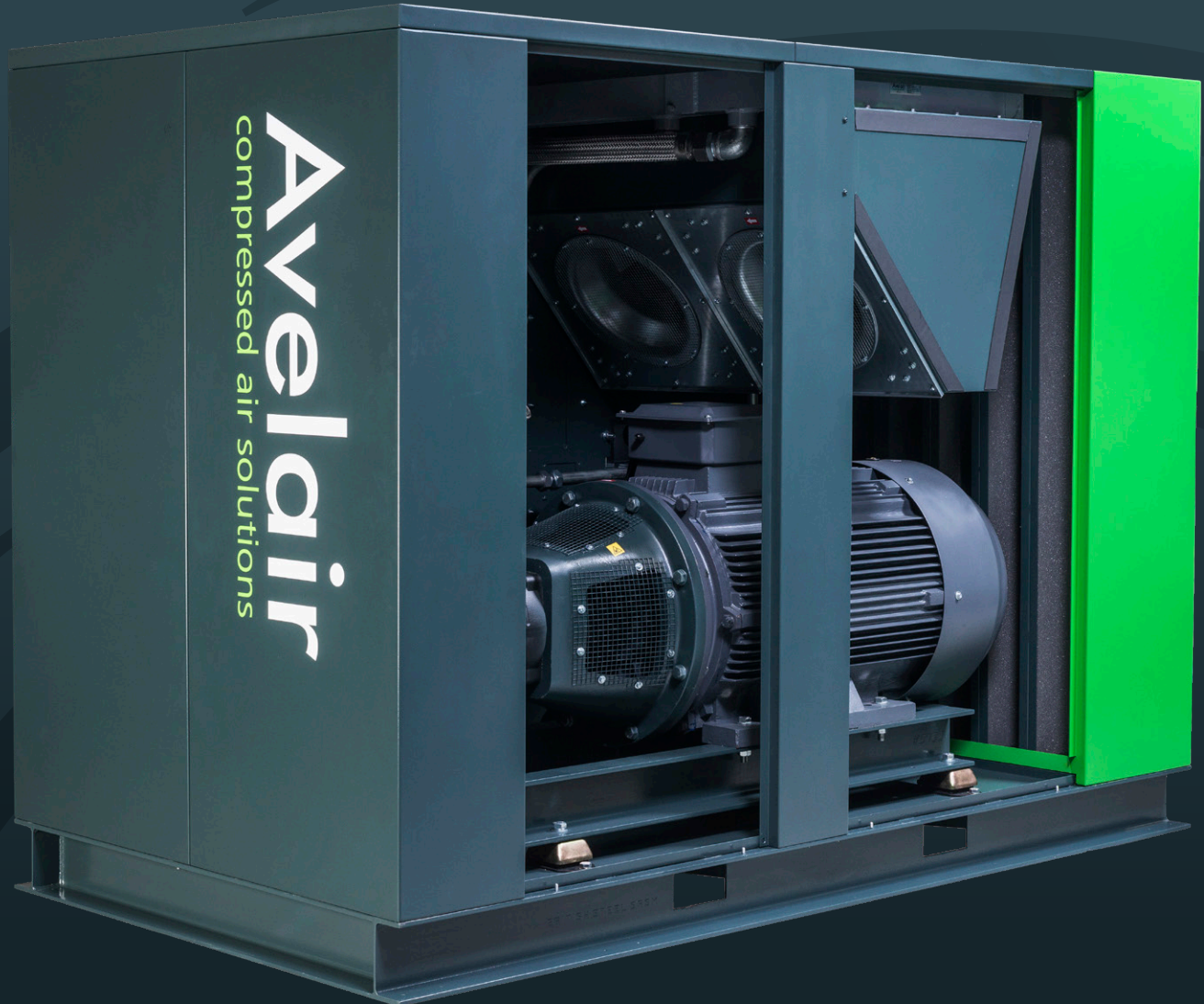
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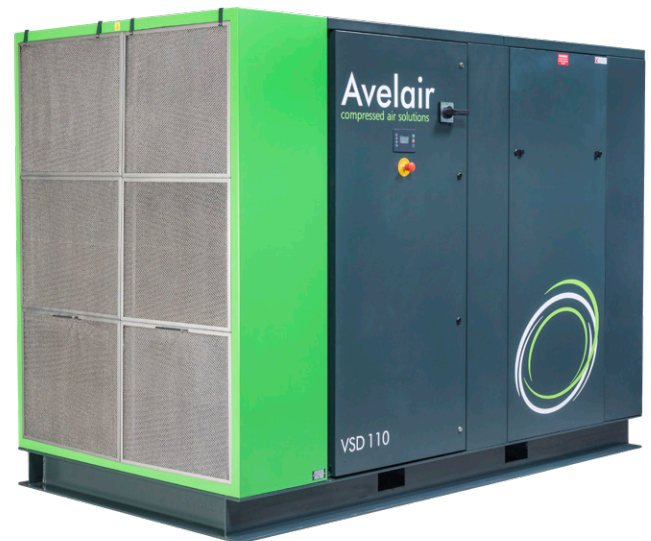
evo 110 to 160 and VSD 110 to 160

motor: 110 - 160 kW

type: fixed and variable speed

capacity: 675 - 851 cfm

pressure: 6 - 15 bar

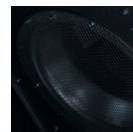


Options available

Air cooled or water cooled
Fixed speed or variable speed drives

Dimensions (mm)

L 2850 | D 1550 | H 2100



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