

INTEGRA-D air compressor range

The Avelair INTEGRA-D rotary screw air compressor range offer oil free and dry compressed air quality to ISO 8573 class 1.2.1. The design incorporates a high-quality desiccant dryer along with ISO 12500 validated filters guaranteeing a -40°C dewpoint and oil free air to class 1.

Features and benefits

- Provides oil free and dry compressed air to ISO 8573 class 1.2.1 via integrated desiccant air dryer and filtration.
- Integrated 250L receiver for air storage.
- Integrated receiver drain and condensate management system.
- Designed and manufactured in the UK.
- 5-year compressor warranty.
- Efficient running reducing energy consumption.
- Plug and play

Air quality at discharge of compressor

Particles	$<1\ \mu\text{m}$
Dewpoint	-40°C
Oil	$<0.01\ \text{mg}/\text{m}^3$



Technical specification

Model	Integra D 2.2	Integra D 3.7	Integra D 4	Integra D 5.5	Integra D 7.5
Motor	2.2kW	3.7kW	4kW	5.5kW	7.5kW
Capacity 8 bar from compressor	17m ³ /hr	29m ³ /hr	43m ³ /hr	60m ³ /hr	66m ³ /hr
Capacity at 8 bar after dryer purge	12m ³ /hr	23m ³ /hr	35m ³ /hr	50m ³ /hr	55m ³ /hr
Air quality at discharge	ISO 8573 1.2.1	ISO 8573 1.2.1	ISO 8573 1.2.1	ISO 8573 1.2.1	ISO 8573 1.2.1
Starter	Direct on line	Direct on line	Direct on line	Direct on line	Star Delta
Supply requirement	Single phase	Single phase	Three phase	Three phase	Three phase
External isolator current rating (Ie)	20A	32A	16A	20A	25A
SWA incoming cable size 30°C	2.5mm	4mm	2.5mm	2.5mm	2.5mm
Circuit breaker rating (Amps)	10A	32A	20A	20A	25A
Circuit breaker type	D-type	D-type	D-type	D-type	D-type
Motor enclosure	IP55	IP55	IP55	IP55	IP55
Noise level at 1 metre	73 db(A)	73 db(A)	73 db(A)	73 db(A)	73 db(A)
Outlet connection size	1/2" bspp	1/2" bspp	1/2" bspp	1/2" bspp	1/2" bspp
Receiver size	250L	250L	250L	250L	250L
Length	1842mm	1842mm	1842mm	1842mm	1842mm
Width	776mm	776mm	776mm	776mm	776mm
Height	1207mm	1207mm	1207mm	1471mm	1735mm



Important note: All values given are for guidance only. The individual site electrical characteristics MUST be measured and assessed by a qualified electrician in regards to suitable electrical equipment specification, installation and connection.

Please note: The cable size guidance has been provided with the following assumptions.

Cable type, Multicore armoured 90°C thermosetting insulated cables (SWA, Table 4E4 of BS7671), installed using Reference Method E, in a maximum ambient air temperature of 30°C, with cable length being less than 20m.

If the proposed installation is outside the above specification, then the installation electrician MUST re-assess the suitability of the cable in line with the requirements of BS7671 IET Wiring Regulations.

Note: A neutral supply will be required. Dimensions and weight vary depending on special requirements.