

**ABAC** INDUSTRIAL  
AIR COMPRESSORS **TECH**



**Powered by piston,  
innovated for  
industrial**



# Industrial pump technology



- 1 Stainless steel disk valve design and cylinders with low tolerance finishing ensure extremely low clearance, minimised friction and higher free air delivery.
- 2 Heavy-duty crankshaft ball bearings, sealed for life.
- 3 Industrial valve:
  - Designed to withstand extreme conditions and high working pressures.
  - Reduces starting torque for a longer motor lifetime and reduced energy consumption.
- 4 Oil separator on the carter ventilating line reduces oil consumption.
- 5 High-efficiency inlet air filter with large filtration surface.
- 6 Die-cast aluminium crankcase and finned cylinder heads with high cooling characteristics, for long lifetime and efficient operation.
- 7 Direct coupled IE3 motor offers highest energy efficiency.



## Continuous operation

Delivering 100%\* duty cycle with uninterrupted air on demand, ABAC Tech industrial compressors add value to your business by minimising the risk of equipment downtime and reducing maintenance costs.



## Robust design

Designed to withstand extreme conditions and high working pressures.



## Low operating costs

Simple maintenance thanks to easily accessible parts with long maintenance intervals and service kits available.



## Significant energy savings

Direct drive transmission allows major energy savings compared to belt-driven compressors.



## Higher reliability

High quality materials for premium performance and a long life.



## Quality air

Aluminium V-type pump heats up fast enough to vaporise any condensate, extending the lifetime of your equipment.

\* Within reference conditions.



## ABAC Tech ATL



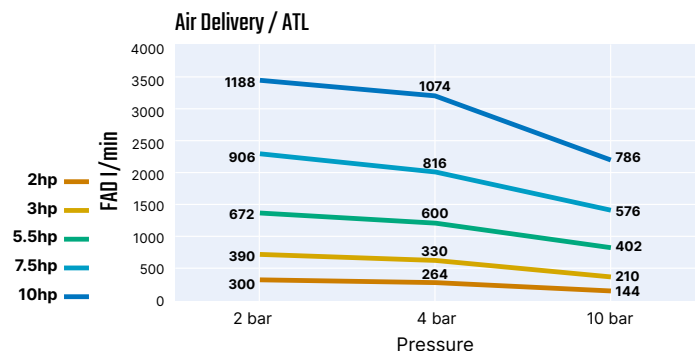
The ATL oil lubricated industrial piston compressor range has been designed specifically to support small industrial applications requiring powerful, reliable air.

- Oil lubricated technology
- Single stage up to 10 Bar
- ATL generates high quality air at the lowest operating temperatures in the industry with minimal oil carry over

### Performance data

	ATL 2hp	ATL 3hp	ATL 5.5hp	ATL 7.5hp	ATL 10hp
<b>V-Hz</b>	400/3/50 and 230/1/50	400/3/50 and 230/1/50	400/3/50	400/3/50	400/3/50
<b>Air-end type</b>	Oil lubricated	Oil lubricated	Oil lubricated	Oil lubricated	Oil lubricated
<b>Construction</b>	Industrial	Industrial	Industrial	Industrial	Industrial
<b>kW (hp)</b>	1.5 (2)	2.2 (3)	4 (5.5)	5.5 (7.5)	7.5 (10)
<b>RPM</b>	1500	1500	1500	1500	1500
<b>Cylinders</b>	2	2	2	2	2
<b>Air intake, L/min</b>	408	504	918	1146	1560
<b>FAD L/min (@7Bar)</b>	204	264	504	702	942
<b>Max pressure (Bar)</b>	10	10	10	10	10
<b>Noise dB(A)</b>	78	79	79	80	81
<b>Duty cycle</b>	S1 100%(*)	S1 100%(*)	S1 100%(*)	S1 100%(*)	S1 100%(*)

Unit performance measured according to ISO 1217, Annex C, latest edition.  
Noise level measured according to ISO 2151 2004







## ABAC Tech ATF



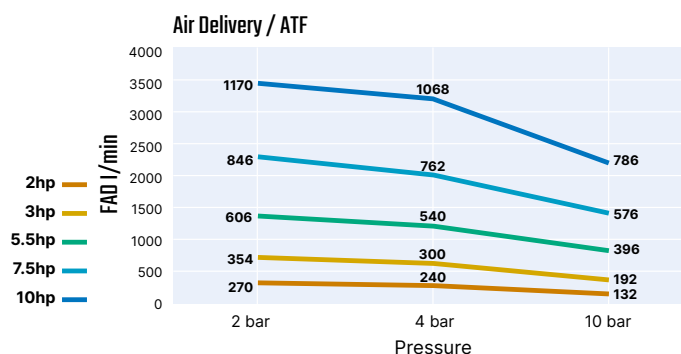
ATF compressors deliver clean air, which is free of any contamination, thereby avoiding damage to downstream equipment.

- Oil free technology
- Single stage up to 10 Bar
- Proven design with nickel plated aluminium cylinders ensures high durability as pistons are coated with Teflon, to allow lowest friction.

### Performance data

	ATF 2	ATF 3	ATF 5.5	ATF 7.5	ATF 10
<b>V-Hz</b>	400/3/50 and 230/1/50	400/3/50 and 230/1/50	400/3/50	400/3/50	400/3/50
<b>Air-end type</b>	Oil free	Oil free	Oil free	Oil free	Oil free
<b>Construction</b>	Industrial	Industrial	Industrial	Industrial	Industrial
<b>kW (hp)</b>	1.5 (2)	2.2 (3)	4 (5.5)	5.5 (7.5)	7.5 (10)
<b>RPM</b>	1500	1500	1500	1500	1500
<b>Cylinders</b>	2	2	2	2	2
<b>Air intake, L/min</b>	408	504	918	1146	1470
<b>FAD L/min (@7Bar)</b>	186	240	492	660	930
<b>Max pressure (Bar)</b>	10	10	10	10	10
<b>Noise dB(A)</b>	82	83	83	84	86
<b>Duty cycle</b>	S1 100%(*)	S1 100%(*)	S1 100%(*)	S1 100%(*)	S1 100%(*)

Unit performance measured according to ISO 1217, Annex C, latest edition.  
Noise level measured according to ISO 2151 2004





## ABAC Tech ATH



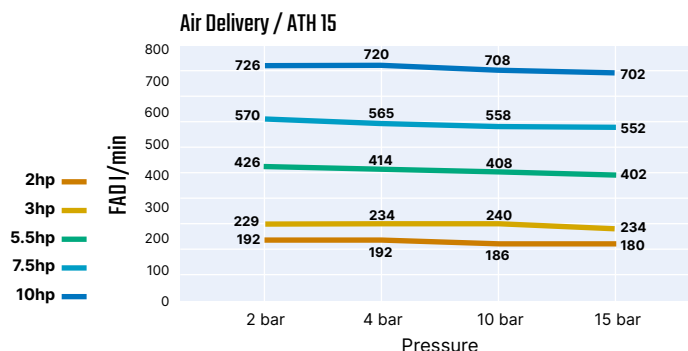
ATH industrial pistons are designed for pressures of 15, 20 or 30 Bar. Perfect for more demanding applications where continuous high-pressure air is essential. Built for the most challenging work environments.

- Oil lubricated aluminium pistons
- Double stage compression for higher pressure up to 30 Bar.
- Higher power capacity up to 20hp.
- Proven design and quality materials deliver premium operation and an extra long life.

### Performance data

	ATH 15 - 2	ATH 15 - 3	ATH 15 - 5.5	ATH 15 - 7.5	ATH 15 - 10
<b>V-Hz</b>	400/3/50 and 230/1/50	400/3/50 and 230/1/50	400/3/50	400/3/50	400/3/50
<b>Air-end type</b>	Oil lubricated	Oil lubricated	Oil lubricated	Oil lubricated	Oil lubricated
<b>Construction</b>	Industrial	Industrial	Industrial	Industrial	Industrial
<b>kW (hp)</b>	1.5 (2)	2.2 (3)	4 (5.5)	5.5 (7.5)	7.5 (10)
<b>RPM</b>	1500	1500	1500	1500	1500
<b>Cylinders</b>	2	2	2	2	2
<b>Air intake, L/min</b>	252	318	570	780	1002
<b>FAD L/min (@15Bar)</b>	180	234	402	552	702
<b>Max pressure (Bar)</b>	15	15	15	15	15
<b>Noise dB(A)</b>	78	79	79	80	81
<b>Duty cycle</b>	S1 100%(*)	S1 100%(*)	S1 100%(*)	S1 100%(*)	S1 100%(*)

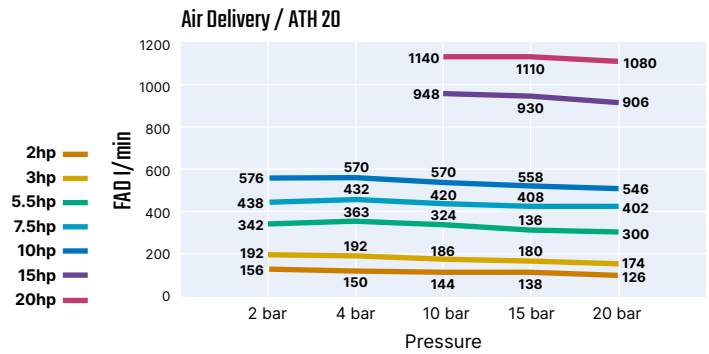
Unit performance measured according to ISO 1217, Annex C, latest edition.  
Noise level measured according to ISO 2151 2004



## Performance data

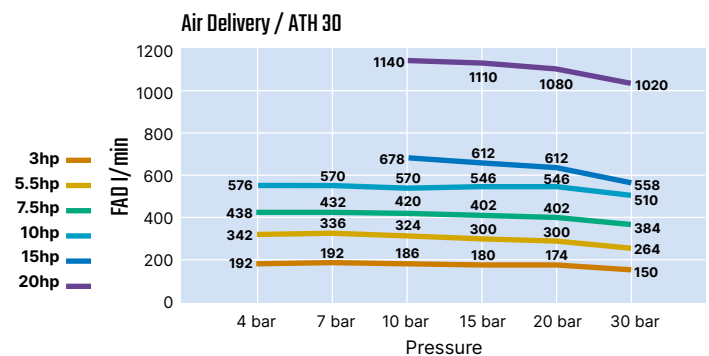
	ATH 20 - 2	ATH 20 - 3	ATH 20 - 5.5	ATH 20 - 7.5	ATH 20 - 10	ATH 20 - 15	ATH 20 - 20
<b>V-Hz</b>	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
<b>Air-end type</b>	Oil lubricated	Oil lubricated	Oil lubricated	Oil lubricated	Oil lubricated	Oil lubricated	Oil lubricated
<b>Construction</b>	Industrial	Industrial	Industrial	Industrial	Industrial	Industrial	Industrial
<b>kW (hp)</b>	1.5 (2)	2.2 (3)	4 (5.5)	5.5 (7.5)	7.5 (10)	11 (15)	15 (20)
<b>RPM</b>	1500	1500	1500	1500	1500	1500	1500
<b>Cylinders</b>	2	2	2	2	2	2	2
<b>Air intake, L/min</b>	204	252	456	570	780	1392	1716
<b>FAD L/min (@20Bar)</b>	126	174	300	402	546	906	1080
<b>Max pressure (Bar)</b>	20	20	20	20	20	20	20
<b>Noise dB(A)</b>	78	79	79	80	81	86	86
<b>Duty cycle</b>	S1 100%(*)	S1 100%(*)	S1 100%(*)	S1 100%(*)	S1 100%(*)	S1 100%(*)	S1 100%(*)

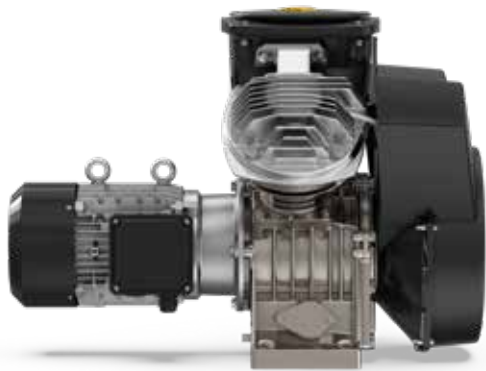
Unit performance measured according to ISO 1217, Annex C, latest edition.  
Noise level measured according to ISO 2151 2004



	ATH 30 - 3	ATH 30 - 5.5	ATH 30 - 7.5	ATH 30 - 10	ATH 30 - 15	ATH 30 - 20
<b>V-Hz</b>	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
<b>Air-end type</b>	Oil lubricated	Oil lubricated	Oil lubricated	Oil lubricated	Oil lubricated	Oil lubricated
<b>Construction</b>	Industrial	Industrial	Industrial	Industrial	Industrial	Industrial
<b>kW (hp)</b>	2.2 (3)	4 (5.5)	5.5 (7.5)	7.5 (10)	11 (15)	15 (20)
<b>RPM</b>	1500	1500	1500	1500	1500	1500
<b>Cylinders</b>	2	2	2	2	2	2
<b>Air intake, L/min</b>	252	456	570	780	996	1710
<b>FAD L/min (@30Bar)</b>	150	264	384	510	558	1020
<b>Max pressure (Bar)</b>	30	30	30	30	30	30
<b>Noise dB(A)</b>	79	79	80	81	85	86
<b>Duty cycle</b>	S1 85%(*)	S1 85%(*)	S1 85%(*)	S1 85%(*)	S1 85%(*)	S1 85%(*)

Unit performance measured according to ISO 1217, Annex C, latest edition.  
Noise level measured according to ISO 2151 2004





**Power pack**



**Base mounted**



**Tank mounted**



**Full feature**



## 4 factory options

### **Silencing hood**

Metal hood with noise insulating foam

### **Timer condensate drain**

Automatic condensate drain on the tank

### **Oil level switch**

Sensor in crankcase measures oil level

### **Low duty cycle**

Additional device (solenoid valve with silencer and relay) on aftercooler line to blow off the line, drain condensate and run unit for 60 seconds without load



# Applications



## Construction

The construction sector needs air compressors for a range of pneumatic tools and equipment. Variable flow streams are required for jackhammers, nail guns, drills, handling, compactors and lifting operations, for example.



## Manufacturing

From plastics and metal fabrication to food, beverage, and pharmaceutical packaging, high tech compressors not only enhance manufacturing productivity, they provide contaminant-free and tightly sealed products, where safety is mandatory. OIL FREE compressors ensure a 100% clean seal while also powering conveyor belts, sprayers, and presses.





## Agriculture

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Machinery used in arable and livestock farming and commercial greenhouses all depend on reliable, clean air. From dairy farms to irrigation systems, compressed air is essential to the safe and efficient operation of agricultural businesses. From tractor-mounted equipment such as crop sprayers, as well as pumps and crop conveyors, compressed air powers a variety of heavy and expensive machinery.



## Rail

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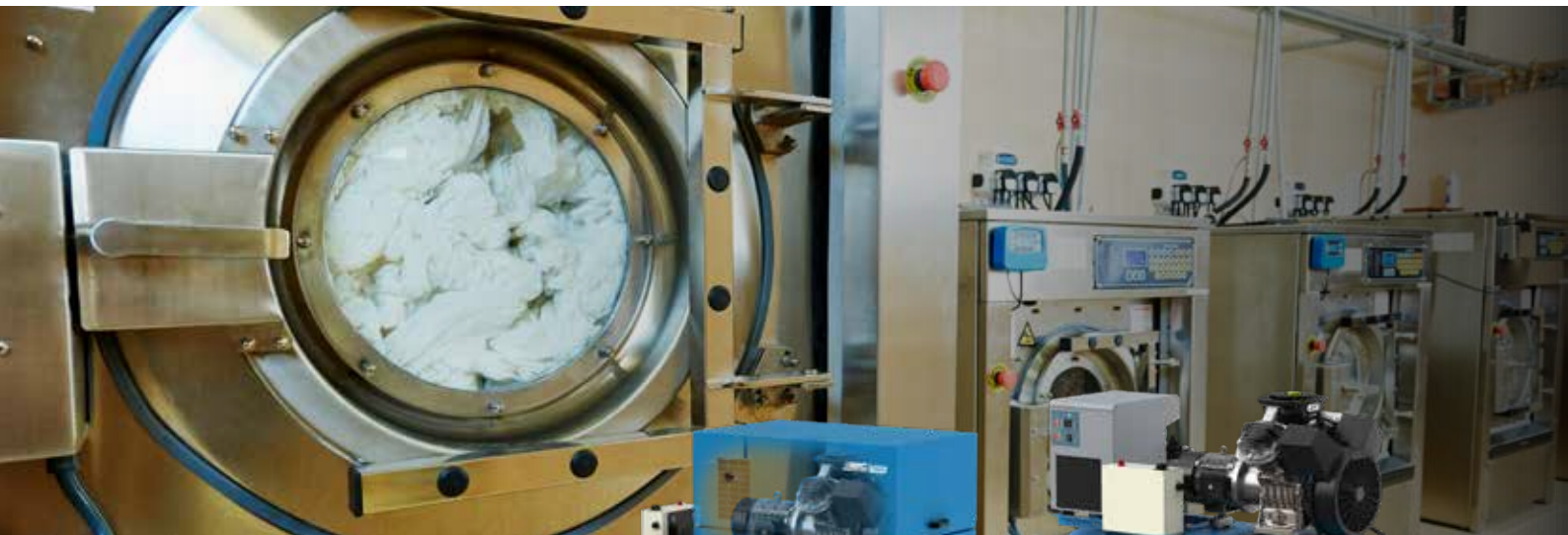
High tech compressors are integral to the safe and effective operation of air braking systems, suspension and automatic doors for underground and overground rolling stock, that need powerful and reliable compressed air. Without it, locomotives and subway systems across the world would not be able to function.

## Applications



## Automotive

Compressed air is fundamental not only to the manufacture of vehicles but also in aftermarket garages and body repair workshops. From applications such as tyre inflation, spray painting and cleaning, every automotive business will utilise compressed air in some capacity, to ensure safe, speedy and high quality results.



## Dry Cleaning

Energy-efficient air compressors can save commercial dry cleaners up to 25 per cent on their utility consumption and operating costs. Accommodating a range of sizes and pressure bands, these air compressors can de-wrinkle, press clothes, spot treat and recover solvents from the most delicate materials that some washing machinery cannot handle.







## Sandblasting

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Is the operation of forcibly propelling a stream of abrasive material against a surface under high pressure. Compressed air is used to propel the blasting material (often called the media). Blast facilities come in many sizes, some of which are big enough to accommodate very large or uniquely shaped objects. Equipped with a material recycling or media reclamation system to collect abrasive blasting media so it can be used again; these can be automated by a pneumatic system installed on the floor of the blast room.



## Pressure Washing

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Fast, user-friendly and labour-saving, industrial and domestic pressure washers are perfect for cleaning vehicles, buildings, pavements, decking, patios and fencing in a commercial and residential environment. From 300-litre industrial units to home power washers, compressed air pressure washers make these jobs as easy as pressing the “on” button. OIL FREE units are strongly preferred to ensure clean air delivery.



# Applications



## Pharmaceutical

The pharmaceutical industry requires an extremely high standard of cleanliness and accuracy when it comes to equipment. Air compressors are essential for operations such as product movement on conveyor systems, coating applications on pharmaceuticals, pressure maintenance in mixing and holding tanks, and bottling or packaging products. By ensuring that their air compressors remain oil-free and dry at all times, the industry can be assured that they are using the most accurate and efficient tools available.



## Energy Exploration

In order to minimise repair and maintenance costs during energy exploration, it is essential that operations implement the most reliable power source. This is especially needed in onshore and offshore sites and where turbulent seas or other uncontrollable conditions can affect the equipment. An air compressor is the ideal choice for this situation since it can be used for inserting and withdrawing reactor rods, controlling valves in steam and coolant circuits from a distance, and powering ventilation systems for boiler houses.

# Notes

# Notes







**Air. Anytime. Anywhere.**

**Powered by piston,  
innovated for industrial**

**Contact your local ABAC representative now**

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