

TECHNICAL DATASHEET KAP300-DI

Model Designation	F.A.D		Drive		Filter- system
	l/min	cfm	Motor Installed	kW	
KAP300-DI	300	10.7	Diesel Engine	6.7	P31



Pictorial representation of KAP300-DI (actual product may vary)

Technical Specifications: High Pressure Portable Breathing Air Compressor

FAD	300 Liters Per Minute \pm 10%
Operating Pressure	200bar
Max Pressure	225bar (Safety valve set pressure)
Prime Mover	Diesel engine, 6.7kW, air cooled, safe area suitable
No of Stages	3
No of Cylinders	3
Drive	V Belt
Lubricating Oil Capacity	2.9 lit
Filtration	Triplex Filter Set with Active Carbon & Molecular sieve
Air Outlet Temperature	10-15 oC above ambient Air Temperature
Air Quality	Final Air Quality As per EN-12021
Intercoolers	Provided after each stage of compression. The coolers are individually detachable from the compressor and are located directly in the cooling fan's air blast.
Aftercoolers	Provided after the final stage of compression.
Intermediate Safety Relief Valve per stage	One sealed SRV provided per stage. All the three stages are equipped with Safety Relief Valve
Oil & Water Separator	Provided after 2nd & 3rd stage with manual drain



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SCOPE OF DELIVERY:

- ⑩ compressor block 3-stages with micronic type intake filter, intercoolers, aftercooler, interstage separator, interpressure safety valves; and manual condensate drain valves
- ⑩ Final Air Quality as per EN12021

TRIPLEX-Filter System – P31

Consisting of: TRIPLEX-Filter System with TRIPLEX longlife cartridge, pressure maintaining valve and final safety valve.

Filling Assembly – will consist of

- ⑩ 1 filling hose for PN 200 bar, length 5m
- ⑩ 1 filling valve PN 200 bar with autom. vent, for tank connection 5/8" BSP, DIN EN 144-2;
- ⑩ 1 pressure gauge mounted on the each filling valve

ACD consisting of: condensate drain valve with solenoid valve, non-return valve and condensate collecting tank. After every 15mins, condensate valves will open for 6 secs to drain out the collected condensate into the tank. A hourmeter is also provided to monitor running hours of the compressor.

For Automatic compressor switch-off when reaching:

- a) Final pressures (either 200bar OR 300bar)

All instrumentation (engine, control panel with accessories) will be suitable for safe area classification.


Ambient CO monitoring (suitable for safe area) will be provided for indication as well trip if set values exceed beyond set parameters. This will be mounted externally (approx. 2m away from compressor unit) for logner sensor life.






***Modifications reserved.**

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