

Booster Compressors



Airpac Rentals
Energy Industry Solutions



5000 psi Rigsafe / Safe Area B18 Booster Compressor

The Airpac Rentals range of high pressure containerised booster compressors are constructed to safely compress air, natural gas or nitrogen.

B18-63/5000 is a three-stage oil lubricated, six piston air/nitrogen booster compressor, powered by a Caterpillar C18 T3 diesel engine.

Under a maximum suction pressure of 24 bar (350 psi), it provides discharge pressure of up to 345 bar (5000 psi) with a flow of up to 1900 cfm.

The booster is suitable for various applications such as mineral exploration and blast hole drilling, water well and geothermal drilling, oil and gas exploration drilling, nitrogen generation, pipeline services and well services.

Fitted with battery starter, spark arrestors, engine overspeed protection with anti-static cooling fan and drive belts. An Emergency Shutdown System is also fitted to enable instant shutdown.

Features

- On board fuel tank
- External auxiliary fuel connections
- Aftercooler
- Spark arrestors
- 24V DC internal Lighting and operating system
- Full function instrument panel monitoring all pressure temperatures and flows
- Stainless steel braided fuel lines
- 20ft DNV 2.7-1 / CSC container

Options

- Experienced personnel providing a complete operational package including: hook-up & commissioning, servicing, re-fuelling and multiple installation assistance
- Hard delivery pipe
- Multiple output connections
- Delivered air oil filtration
- Interstage drying dewpoint -40°C

Technical Specifications

5000 psi Rigsafe / Safe Area B18-63/5000 Booster Compressor

Performance

Model	5000 psi B18-63/5000 Booster
Maximum Delivered Flow	1900 cfm (53 m³/min)
Maximum Delivered Pressure	5000 psi (345 bar)
Discharge Temperature	Ambient +10°C
Temperature Range	-10°C to +50°C
Fuel Consumption	112 litres per hour (at max. pressure)
Fuel Tank Capacity	560 litres
Sound	121 dBA at 1 metre
Inlet Valve	ANSI 1" ½ class 2500
Outlet Valve	3" NPT thread or ANSI 3" class 300
Framed / Containerised	DNV 2.7-1 container

Capacity

Suction pressure	Maximum discharge pressure	1950 rpm	1800 rpm	1600 rpm	1400 rpm	1200 rpm
350 psi (24 bar)	5000 psi (345 bar)	N/A	1900 cfm (53 m³/min)	1660 cfm (47 m³/min)	1450 cfm (41 m³/min)	1240 cfm (35 m³/min)
320 psi (22 bar)	4570 psi (315 bar)	N/A	1710 cfm (48 m³/min)	1520 cfm (43 m³/min)	1330 cfm (38 m³/min)	1140 cfm (32 m³/min)
290 psi (20 bar)	4140 psi (285 bar)	N/A	1560 cfm (44 m³/min)	1380 cfm (39 m³/min)	1210 cfm (34 m³/min)	1040 cfm (29 m³/min)
350 psi (24 bar)	4000 psi (275 bar)	2000 cfm (57 m³/min)	1870 cfm (53 m³/min)	1660 cfm (47 m³/min)	1450 cfm (41 m³/min)	1240 cfm (35 m³/min)
230 psi (16 bar)	3280 psi (226 bar)	1350 cfm (38 m³/min)	1250 cfm (35 m³/min)	1110 cfm (31 m³/min)	970 cfm (28 m³/min)	830 cfm (24 m³/min)
200 psi (14 bar)	2850 psi (196 bar)	1190 cfm (34 m³/min)	1090 cfm (31 m³/min)	970 cfm (28 m³/min)	850 cfm (24 m³/min)	730 cfm (21 m³/min)
170 psi (12 bar)	2420 psi (166 bar)	1020 cfm (29 m³/min)	940 cfm (27 m³/min)	840 cfm (24 m³/min)	730 cfm (21 m³/min)	630 cfm (18 m³/min)

Weights & Dimensions

	Metric	Imperial
Overall Length	6058mm	238.5"
Overall Width	2438 mm	96"
Overall Height	2591 mm	102"
Weight (dry)	15160 Kgs	33422 lbs
Weight (fuelled)	15720 Kgs	34657 lbs

N.B. Weights and dimensions are for guidance only; please contact your local Airpac Rentals office for individual asset details

E. & O.E.

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Airpac Rentals UK is certified to
BS EN ISO 9001:2015 & BS EN ISO 14001:2015



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