

17 years of Service



Feel the Difference

More
Air
For Less
Power



MINING EQUIPMENTS

TRACTOR, ENGINE & ELECTRIC MOTOR MOUNT COMPRESSORS

Salient Features:

- Low diesel consumption compare to any other make compressor
- Durability, Reliability and long life.
- High performance at low maintenance cost.
- No oil pump, Minimum Noise & Smooth working without vibration.
- Specially designed Heavy Inter-cooler for better cooling.

Used In:

- Drilling in Mines
- Pneumatic Tools
- Road breaking
- Guniting
- Sand & Shot Blasting
- Structures Painting
- Road Breaking
- Construction sites

PORTABLE ELECTRIC SCREW COMPRESSOR



Advanced Screw Airend

Advanced rotary screw technology, equipped with high efficiency rotary screw airend powered by efficient electric motor.

Loading Head

This newly designed and improved intake control system ensures economic control and protection of the screw. The control system has been redesigned to be simpler and more reliable. The air intake filter eliminates dust and other harmful particles that may cause premature wearing of the machine. Upon start-up of the machine, the control system will close the intake valve reducing start-up load. Shut down procedure will release pressure from the oil reservoir and prevent lubricant leakage. The new design has resulted in reduced air intake noise.



Oil Filter

The screw spin on oil filter makes servicing convenient. The filter eliminates oil impurities and other particles produced by wear and tear. High quality oil filtration extends the service life of rotors, bearings and other moving parts.

Energy Efficient Combination Cooler

Utilising production methods and design the cooling system was designed to provide sustainable and efficient operation in high temperature high humidity environments. The new cross-exchange cooler not only increases exchange capacity by 10% but also is designed to resist chemical damage.



Portable Engine Driven Screw Air compressor

Technical Specifications

MODEL	FDS 35	FDS 86	FDS 116	FDS 170
CFM	120-100	325 - 250	400-325	650-550-500-450
Maximim Operating Pressure (kg/cm2g)	7-10	7-10	7-10	7-10-12-14
Tank Capacity (oil)	12	30	30	34
Tank Capacity(fuel)	40	100	100	200
Dry Weight (kg)		1540	1450	2140
Engine Make	Mahindra	Ashok Leyland	Ashok Leyland	Ashok Leyland
Engine Model		W04 D	W04 CT	AL6DTI
No.of Cylinders	3	4	4	6
Engine Full Load Speed(rpm)		2200	2600	2200
Starting Voltage	12	12	12	24
Engine HP	35	86	116	170

Features :

World class air end - Low rotor speed, few moving parts & efficient design of compressor minimizes wear & tear, ensuring reliability and long working life.

Clean intake air - This single high performance two-stage air intake filter prevents dust & dirt particles from entering the compressor & engine. A sense indicator on the filter tells you that it needs maintenance & replacement.

Ease of Operation - All the controls are grouped on a single panel for easy monitoring, safety and fool-proof operation.

Easy Access - The canopy doors open outwards providing easy access to the machine. With doors up and out of the way, routine maintenance can be performed in less time.

Highly transportable - Your operators will appreciate the small dimensions and light weight of size 1 compressors as they can easily move the machines from one location to another.

Operating Economy - You can count on economical fuel consumption and continuous airflow at stable pressure at it's fully automated stepless control constantly adapts the compressor output to air demand. to fuel efficient engines offer best operating economy.

Optimum Cooling - Suitably sized heat exchangers and an exhaust chamber with exhaust directed upwards ensure low operating temperatures.



COMPRESSOR ON DIESEL ENGINE



TRACTOR

Model	RPM	Normal Working Pressure (Kg/cm ²)	Max Working Pressure (Kg/cm ²)	Piston Displacement (C.F.M)	Nos.of Cylinder	H.P. Cylinder Bore (mm)	L.P. Cylinder Bore (mm)	Crank Stroke (mm)	HP Recurred	Free Air Delivery (C.F.M)
JTM-1800	1300	7.0	8.75	180	2	130	225	100	40	140

MOTOR

JEM-1800	1300	7.0	8.75	180	2	130	225	100	40	140
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TWO STAGE COMPRESSOR FOR ENGINE

Model	Engine	Normal Working Pressure (Kg/cm ²)	Max Working Pressure (Kg/cm ²)	Free Air Delivery (C.F.M)	Nos. of Cylinder	H.P. Cylinder Bore (mm)	L.P. Cylinder Bore (mm)	Crank Stroke (mm)	Engine HP
JAP-3350 N	Leyland	7.0	10	325	4	130	220	100	105



TWO STAGE COMPRESSOR FOR ELECTRIC MOTOR

Model	Normal Working Pressure (Kg/cm ²)	Max Working Pressure (Kg/cm ²)	Piston Displacement (C.F.M)	No.of Cylinder	H.P. Cylinder Bore (mm)	L.P. Cylinder Bore (mm)	Crank Stroke (mm)	Motor HP
JAPE-1400	7.0	8.75	171	2	130	220	100	40
JAPE-3350	7.0	8.75	335	4	130	220	100	75

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