

MOBILE SOLUTIONS

Reliable Machinery from the Experts.

We have you covered for a wide range of mobile solution requirements. Portable diesel and petrol powered screw compressors from 40CFM - 1500CFM, 3.5MPa/35-bar trailer and skid mount; light towers trailer and skid mount with various configurations and power outputs.

All models can be customised with either Cummins, Quchai, Wechai or Yuchai engines to suit your needs and budget.

Air-ends in the portable screw compressor range include GHH Rand or the ever-popular Detroit Air models, in both single- or two-stage configurations. Even if it means a full custom design, Detroit Air mobile solutions can meet your every need.

- ✦ **PORTABLE DIESEL COMPRESSORS**
- ✦ **D-15 MINI MOBILE AIR COMPRESSOR**
- ✦ **MOBILE LIGHT TOWERS**



POWERED BY
HONDA
POWER PRODUCTS



Kubota
POWERED



PORTABLE DIESEL COMPRESSORS

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GENERAL FEATURES

- Suction valve
- Solenoid valve
- Pressure regular valve
- Safety valve
- Minimum pressure valve
- Vent valve
- Shuttle valve
- Oil thermostatic valve
- 50°C radiator/after-cooler
- Lubricating oil cooler
- Air filter for engine
- Air filter for compressor
- Lubricating oil filter
- Vertical oil receiver
- Oil separator
- Emergency stop button
- Lockable battery isolator switch
- 24V sealed-for-life maintenance-free battery
- Fuel tank for up to 12 hours run-time
- Powder coated canopy



FEATURES AND BENEFITS

FEATURE	BENEFIT
Pressure selection and control	Easy pressure setting
Flow selection and control	The working pressure and air flow rate can be adjusted according to air consumption, saving diesel
Twin-screw rotor is directly connected and driven by a highly flexible and durable coupling system	Output higher air volumes with less energy consumption, featuring high reliability, longer service life and low maintenance cost
Two-stage air filtration system	Total efficiency of air filtration reaches 99.8%, ensuring clean air intake for engine and compressor systems, ensuring long life and low failure rate
High temperature resistance design	Able to run for a long time under extreme cold or hot temperatures, from -20°C to 50°C
One button start, clear operational parameters and multilingual options	Operators don't have to go through long-term professional training, and unattended operation can be achieved

APPLICATION AREAS

Widely used in industries such as mining, water conservancy, communications, shipbuilding, city construction, energy resources and military. This equipment is characterised by high-efficiency, safe, stable and environmentally friendly operation.

NEWLY DEVELOPED CONTROL PANEL-EASYAIR

Designed with a 3.4-inch colour LCD display and instrument panel and with IP65 protection, the system can be used in ambient temperatures ranging from -20°C to 70°C. Easy operation, clear display and real-time data display.



FUEL SYSTEM

1. Standard equipped heavy-duty fuel filter extends the operational life of the high-pressure pump and protects from damage.
2. Large capacity fuel tank provides over 8 hours of full-load operation.



AMBIENT TEMPERATURE

Detroit Air Mobile Compressors can be used in ambient temperatures ranging from -10°C to 50°C; a version suited for use at lower ambient temperatures is also available upon request.



PROTECTIVE AIR FILTRATION

Generously sized heavy-duty intake filters protect the motor and air-end in very harsh environments. Maintenance indicators extend engine and compressor life through timely service reminders. Optimised design and separate air filters considerably enhance reliability and service life. The filters can be changed on-site quickly and simply, as required.



OPTIMISED COOLING SYSTEM

1. Large diameter and low-speed fan enhance air flow volume, low noise and efficient cooling performance.
2. The highly efficient cooling system is designed to be used in ambient temperatures, up to 50°C. The non-welded connection of oil cooler and engine radiator prohibits thermal stress damage and extends service life greatly. Surplus heat is 30% and cooling temperature difference is 8°C, roughly. Superior heat exchange efficiency is achieved.



EXCELLENT ACCESSIBILITY

Large enclosure doors provide excellent component accessibility for unrivalled ease of maintenance. Service and maintenance work can, therefore, be performed quickly and efficiently, which means maximum efficiency and compressed air availability.



PORTABLE DIESEL COMPRESSORS

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SPECIFICATION		PARAMETERS						
MODEL		DT-50D	DT-75D	DT-100D	DT-150D	DT-160D	DT-180D	DT-200D
DIMENSIONS	CM	260x170x180	290x180x100	320x180x200	360x210x220	360x210x220	360x210x230	380x220x230
WEIGHT	Kg	1200	1300	1450	3400	3700	4600	5400
RATED EXHAUST PRESSURE	MPa	0.8						
RATED VOLUME FLOW	CFM	177	269	400	700	745	814	956
MAXIMUM ROTATION ANGLE	(°)	90°	90°	90°	90°	90°	90°	90°
DRIVE METHOD		Direct Driven						
ENGINE MODEL		4BTA3.9-C80	4BTA3.9-C100	4BTA3.9-C125	6CTA8.3-C230	6CTA8.3-C240	6CTA8.3-C260	6CTA8.9-C325
DIESEL ENGINE RATED POWER	kW	60	74	92	179	179	194	239
RATED SPEED	RPM	2200						
SUCTION METHOD		Pressurisation						
EMISSION STANDARDS		European Standard II						
THROTTLE CONTROL		Energy-saving automatic servo throttle control						
DIESEL ENGINE OIL CAPACITY	L	10.4	12	14	24	24	32	36
DIESEL ENGINE MAXIMUM FUEL CONSUMPTION	Kg/H	12.6	14	19.3	37.5	40	42	47.8
ANTI-FREEZE COOLANT CAPACITY	L	24	24	36	60	70	84	89
DIESEL FUEL TANK CAPACITY	L	100	100	150	200	200	200	400
COMPRESSOR LUBRICATING OIL CAPACITY	L	40	50	68	86	96	104	104
COMPRESSOR EXHAUST GAS TEMPERATURE	°C	85°						
COMPRESSOR EXHAUST RESIDUAL OIL	MG/M3	≤3						
NOISE	DBA	95±5%						
VIBRATION INTENSITY	MM/S	10.5						
PIPE DIAMETER		G1	G1 1/2		G3			

D-15 MINI MOBILE AIR COMPRESSOR

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MODEL		D-15 MINI MOBILE AIR COMPRESSOR	
FILTER RACK		Optional	
AIR-END		Directly Coupled - SKF Bearings	
AFTER-COOLER		Internal, force cooled	
BATTERY	V	12	
START SYSTEM		Electric, with key start	
THROTTLE CONTROL		Manual	
LOAD CONTROL		Manual	
ENGINE MONITORING SYSTEM		Mebay GM50H Digital - Oil Pressure, Temperature, Voltage, Hour Metre	
CAPACITY	M ³ /MIN / (CFM)	1,15 / 40,6	
PRESSURE	BAR / MPa	12,5 / 1,25	
DIMENSIONS	MM	1200L x 750W x 1180H with wheels fitted	
WEIGHT	Kg	220	
COOLING METHOD		Air Cooled	
DRIVE TYPE		Directly Coupled and Driven	
OUTLET AIR TEMPERATURE	°C	≤10~15 (+ ambient temp.)	
COMPRESSION STAGE		Single	
NOISE LEVEL	dB(A)	≤97	
OUTLET		G 1/2"	
SPEED AT FULL LOAD	RPM	3650	
FUEL TANK CAPACITY	L	25	
PETROL ENGINE BRAND		Honda Powered	
MODEL		GX-690	
V POWER	kW	13 (Max. power 17)	