



DETROITAIR

COMPRESSED AIR INNOVATION THROUGH TECHNOLOGY

PRODUCT CATALOGUE

MOBILE SOLUTIONS

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**



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POWER PRODUCTS



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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)



MODEL	DTLT-1200
LIGHTS	
LIGHT COVERAGE M ² (AVERAGE 20 LUXES)	5000
LAMPS (TOTAL LUMINOUS FLUX)	LED (180000 lm)
MAST	Manual Vertical
PERFORMANCE DATA	
RATED FREQUENCY	50/60Hz
RATED VOLTAGE	230/240VAC
RATED POWER (PRP)	2.58kW
SOUND PRESSURE LEVEL (LPA) AT 7M	68dB(A)
ENGINE	
MODEL	Mitsubishi L2E
SPEED	1500/1800RPM
RATED NET OUTPUT (PRP)	3.9kW
COOLANT	Water
NUMBER OF CYLINDERS	2
BORE AND STROKE	76 x 70mm
DISPLACEMENT	0.635L
ALTERNATOR	
MODEL	BTO LT-132B/4
RATED OUTPUT	4kW
INSULATION / ENCLOSURE	H/23 class/IP
CONSUMPTION	
FUEL TANK CAPACITY	50L
FUEL AUTONOMY	100HRS
POWER OUTPUT	
AUXILIARY POWER	1.2kW

LIGHTS	
FLOODLIGHTS	LED
WATTAGE	4 x 300W
MAST	
TYPE	Manual Vertical
ROTATION	>360°
MAXIMUM HEIGHT	8m
MAXIMUM SPEED WIND	80km/hr
ENCLOSURE AND TRAILER	
TYPE	Site Trailer
ENCLOSURE	Galvanized Steel Canopy and Powder Coating Paint
DIMENSIONS AND WEIGHT	
DIMENSIONS IN TRANSPORT FIX TOWBAR (L x W x H)	2350 x 1480 x 2360m
DRY WEIGHT	716kg
DIMENSIONS FULLY DEPLOYED (L x W x H)	2650 x 2460 x 7800m
PRICE BASED ON QUANTITY	



MODEL	DTLT-2100
LIGHTS	
LAMP SHADE MATERIAL	Cast aluminium, thickness 2.5mm
LED OUTPUT	4x480W LED
COLOUR TEMPERATURE	5700K
VOLTAGE	AC 220V
FREQUENCY	50Hz
AMBIENT TEMPERATURE	-20°C/55°C
LUMEN OUTPUT	4x67200LM (140lm/w)
LED WARRANTY	3 years
IP LEVEL	IP67
MAST	
MAST MATERIAL	Galvanized iron, Galvanized to 7-10µ, mast thickness 3mm
MAST OPERATION	Hydraulic
MAX. HEIGHT OF MAST	9m
MAST ROTATION SYSTEM	358° Manual Operation
STORAGE OF MAST	Vertical Telescopic Mast
DIESEL GENERATOR	
MATERIAL OF GENERATOR PLATE	Steel. Heat-treated highly corrosion-resistant powder coating. Thickness from 2mm-8mm (the thickness is determined by the degree of force). Powder coating thickness is about 150-200µ
ENGINE MODEL	Japanese Kubota D1105 3 Cylinder 4 Stroke Liquid Cooled Diesel Engine
START SYSTEM	Electric (Battery Start)
Z	1500RPM/50Hz
RATED POWER	7.2kW/50Hz
ALTERNATOR MODEL & TYPE	Sinocox SMF160C 4-pole, Brushless alternator
INSULATION	H
FUEL TANK CAPACITY	240LT
FUEL CONSUMPTION	1.1LT per hr
CONTINUAL OPERATION TIME	218 hours (Fully fuelled)
CONTROL PANEL	Digital control panel SmartGen ALC704
IP LEVEL	IP54
ENGINE SHUTDOWN PROTECTION	Low oil pressure, over speed, over current, high temperature detection

MODEL	DTLT-2100
SKID	
MATERIAL	Hot rolled plate 4/6/8/10/12/16mm + U steel 9/13mm + Col rolled plate 2/2.5/3mm + rectangular tube 60x40x5mm + rectangular tube 60x80x6mm
OTHER FEATURES	
LOCKING DOORS	Yes
EMERGENCY STOP	Yes
LOW FUEL LEVEL WARNING	Yes
TRANSPORT BY FORKLIFT	Yes
POWER OUTLET	Yes, for other machine's power supply.
NOISE LEVEL	70db(a)/7m
WIND RESISTANCE	≈10m per second
DIMENSION AND WEIGHT	
DIMENSION (LxWxH)	3000x1800x2750mm
NET WEIGHT	1530kgs
LOADING QUANTITY	7pcs/40'hq
PRICE BASED ON QUANTITY	

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SINGLE AXEL FOLDING MAST

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MODEL		DTLT-7600	
LIGHTS			
LED OUTPUT	6x480W SAA certified LED		4x720W SAA certified LED
LUMEN OUTPUT	6x67,200LM		4x100,800LM
VOLTAGE	AC 220V or DC 48V		
AMBIENT TEMPERATURE	-20°C/55°C		
LED WARRANTY	3 years		
IP LEVEL	IP67		
MAST			
MAST MATERIAL	Galvanized iron		
MAST OPERATION	Hydraulic mast		
MAST SECTION	4		
MAX. HEIGHT OF MAST	9m		
MAST ROTATION SYSTEM	320° Manual Operation		
STORAGE OF MAST	Folding mast		
DIESEL GENERATOR			
ENGINE MODEL	Kubota D1105-BG 3 Cylinders, in line, 4-stroke, liquid cooled diesel		
START SYSTEM	Electric		
RATED POWER	7kW/50Hz, 8kW/60Hz		
ALTERNATOR MODEL & TYPE	4-pole Brushless Alternator		
INSULATION	H		
FUEL TANK CAPACITY	150LT		
FUEL CONSUMPTION	1.2L/hr(120L/Tank)		
CONTINUAL OPERATION TIME	90 hours (Fully fuelled)		
CONTROL PANEL	Digital control panel		
ENGINE SHUTDOWN PROTECTION	Low oil pressure, over speed, over current, high temperature detection, low fuel level		
MODEL		DTLT-7600	

TRAILER	
TOW HITCH	Ring/ball hitch
STABILIZING LEGS	4*Hydraulic
BRAKE SYSTEM	Mechanical Drum Brake
CHASSIS STRUCTURE	Single Axle
WHEEL SIZE	16" x 2
OTHER FEATURES	
LOCKING DOORS	Yes
TIMER CONTROLLER AUTOMATIC START AND SHUTDOWN	Yes
FAIL-SAFE SHUTDOWN -HIGH TEMP, LOW OIL PRESSURE, LOW VOLTAGE	Yes
TIMER SHUTDOWN CONTROL	Yes
LOCKABLE BATTERY ISOLATOR	Yes
JUMP-START RECEPTACLE & JUMP LEADS	Yes
EMERGENCY STOP	Yes
FULLY BUNDED TO 110% OF FUEL AND OIL	Yes
TRANSPORT BY FORKLIFT	Yes
TRANSPORT BY CRANE	Yes
TRANSPORT BY CAR	Yes
TAIL LIGHT	Yes
NOISE LEVEL	70db(a)/7m
PACKING	Pearl wool/ Bubble pack/Wrapping films and cartons
DIMENSION AND WEIGHT	
DIMENSION (LxWxH)	300x1620x2350mm
NET WEIGHT	1700kgs
LOADING QUANTITY	2units/20'gp, 5units/40'hq
PRICE BASED ON QUANTITY	

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DUAL AXEL FOLDING MAST

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MODEL		DTLT-7200	
LIGHTS			
LED OUTPUT	6x480W LED		4x720W LED
LUMEN OUTPUT	6x67200LM		4x100,800LM
VOLTAGE	AC 220V or DC 48V		
AMBIENT TEMPERATURE	-20°C/55°C		
LED WARRANTY	3 years		
IP LEVEL	IP67		
MAST			
MAST MATERIAL	Galvanized Steel		
MAST OPERATION	Hydraulic mast		
MAST SECTION	4		
MAX. HEIGHT OF MAST	10m		
MAST ROTATION SYSTEM	270° Manual Operation		
STORAGE OF MAST	Folding mast		
DIESEL GENERATOR			
ENGINE MODEL	Kubota D1105-BG 3 Cylinders, in line, 4-stroke, liquid cooled diesel		
START SYSTEM	Electric		
RATED POWER	7kW/50Hz, 8kW/60Hz		
ALTERNATOR MODEL & TYPE	4-pole Brushless Alternator		
INSULATION	H		
FUEL TANK CAPACITY	270LT		
FUEL CONSUMPTION	1.2L/hr(270L/Tank)		
CONTINUAL OPERATION TIME	270 hours (Fully fuelled)		
CONTROL PANEL	Digital control panel		
ENGINE SHUTDOWN PROTECTION	Low oil pressure, over speed, over current, high temperature detection, low fuel level		
MODEL		DTLT-7200	

TRAILER	
TOW HITCH	Ring/ball hitch
STABILIZING LEGS	4*Hydraulic
BRAKE SYSTEM	Mechanical Drum Brake
CHASSIS STRUCTURE	Dual Axle
WHEEL SIZE	16x4"Wheels
OTHER FEATURES	
LOCKING DOORS	Yes
TIMER CONTROLLER AUTOMATIC START AND SHUTDOWN	Yes
FAIL-SAFE SHUTDOWN -HIGH TEMP, LOW OIL PRESSURE, LOW VOLTAGE	Yes
TIMER SHUTDOWN CONTROL	Yes
LOCKABLE BATTERY ISOLATOR	Yes
JUMP-START RECEPTACLE & JUMP LEADS	Yes
EMERGENCY STOP	Yes
FULLY BUNDED TO 110% OF FUEL AND OIL	Yes
TRANSPORT BY FORKLIFT	Yes
TRANSPORT BY CRANE	Yes
TRANSPORT BY CAR	Yes
TAIL LIGHT	Yes
CABLE TRACK FOR WIRING PROTECTION	Yes
NOISE LEVEL	70db(a)/7m
PACKING	Pearl wool/ Bubble pack/Wrapping films and cartons
DIMENSION AND WEIGHT	
DIMENSION (LxWxH)	3250x1852x2440mm
NET WEIGHT	1850kgs
LOADING QUANTITY	2units/20'gp, 5units/40'hq
PRICE BASED ON QUANTITY	

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SINGLE AXEL TELESCOPIC MAST

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MODEL	DTLT-6800		DTLT-6800
LIGHTS			
TYPE OF LIGHTS	4x480W SAA Certified LED Lamp		
VOLTAGE	AC 220V		
FREQUENCY	50Hz		
WORKING ENVIRONMENT TEMPERATURE	-20°C/45°C		
LIGHTS BAR TILTING SYSTEM	90° Electric Operation		
LUMINOUS FLUX	268800LM (140lm/w)		
WARRANTY	3 years		
IP LEVEL	IP65		
MAST			
MAST LIFTING TYPE	Hydraulic mast		
MAST SECTION	6		
MAX. HEIGHT OF MAST	9m		
MAST ROTATION SYSTEM	360° Manual		
DIESEL GENERATOR			
ENGINE MODEL	Japanese Kubota D1105 3 Cylinder 4 Stroke Liquid Cooled Diesel Engine	Chinese Qucha Q385 3 Cylinder 4 Stroke Liquid Cooled Diesel Engine	
SPEED	1500RPM		
RATED POWER	7.2kW/50Hz	8.0kW	
ALTERNATOR MODEL & TYPE	4-pole Brushless Alternator		
INSULATION	H/IP23		
FUEL TANK CAPACITY	100LT		
FUEL CONSUMPTION	1LT per hr		
CONTINUAL OPERATION TIME	100hrs (Fully Fuelled)	90hrs (Fully Fuelled)	
CONTROL PANEL	Digital control panel SmartGen HGM1790N		

MODEL	DTLT-6800	DTLT-6800
TRAILER		
TOW HITCH	Ring/ball hitch	
STABILIZING LEGS	4x Manual	
BRAKE SYSTEM	Mechanical Drum Brake	
CHASSIS STRUCTURE	Single Axle	
WHEEL SIZE	2x13" Wheels	
OTHER FEATURES		
SECURELY CLOSE AND LOCK DOOR	Yes	
EMERGENCY STOP	Yes	
TRANSPORT BY FORKLIFT	Yes	
TRANSPORT BY CRANE	Yes	
TAIL LIGHT	Yes	
POWER OUTLET	Yes, if it is AC - optional	
NOISE LEVEL	70db/7m	
WIND RESISTANCE	≤8m/sec	
DIMENSIONS AND WEIGHT		
DIMENSIONS (LxWxH)	3050 x 1350 x 1980mm	
NET WEIGHT	920kgs	
LOADING QUANTITY	12pcs/40'hq	
PRICE BASED ON QUANTITY		

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