

BOTTARINI

Portable Compressors GDP



NEW GDP ENGINE-DRIVEN COMPRESSORS GUARANTEED QUALITY, RESISTANCE AND EASY TO USE

AIR END

New rotary screw engineered for high performance, with bearings designed to be totally maintenance-free. Virtually no replacement is necessary for the entire lifespan of the machine.

 LOW-COST OPERATION: An innovative compressed air regulation system provides instant automatic regulation of compressed air output and of the diesel engine's RPM according to demand, thus saving fuel and reducing wear of moving (members) parts.



ENGINES

Liquid-cooled diesel engines. Low impact on the environment, low emission – well below European limits.

The diesel engines selected amoung the world's leading manufacturers of diesel engines, fitted with electronic
injection, fulfil all the European demands that will be placed on diesel engine technology with regards to exhaust
emissions over the coming years.

WEATHERABILITY

SUITABLE FOR EXTREME TEMPERATURES: The engines used in this new range are all fitted with an automatic
preheating system of the engine glow plugs and an oversize battery, ensuring easy start-up in very cold climates.
The GDP range is also provided with a system which starts the engine up without preheating (SOFT START)
and incorporates thermostatic valves for the by-pass of oil and coolant which ensure that the operating
temperature is reached quickly.



CONTROL PANEL

This is highly visible on the front of the compressor. It incorporates: ignition switch, air pressure gauge, timer, start/function cock, and indicator lamps for engine oil pressure, alternator, clogged filter, coolant high temperature, compressor oil high temperature, and pre-heating glow plugs.

LIFTING AND TRANSPORTATION

A lift hook is fitted in the internal part of the housing, which is easily accessed through a small panel door with seals. Due to their compact dimensions, the machines in this range are easily transportable- even on small yard-vehicles. Another important feature is the dampened chassis.

EASY MAINTENANCE

The upper canopy can be fully opened by means of strong gas struts. This allows easy access to all the components which need periodical adjustment and maintenance.

- FILTERING SYSTEM: The compressor air end and diesel engine are supplied with high efficiency suction filters.
 This ensures longer life for the components. A filter clogged indicator shows when filter maintenance or replacement is needed.
- AIR OIL SEPARATOR: Long –life air/oil separator cartridges are used.
- DRIVE: all models are DIRECT DRIVEN.

HOUSING

Zinc phosphated carbon steel, cataphoresis treatment, polyester powder painted.



Compressors are equipped with Kubota engine, direct driven.

MAIN CHARACTERISTIC

- Engine KUBOTA D1105 (GDP 21) and KUBOTA D 1505 (GDP 31) reliable, fuel efficient diesel engine
- Direct driven
- Progressive volume flow regulation. Engine speed and air intake regulation are automatically adapted to compressed air requirement.
- **Soft Start** allows the engine to warm up with compressors off load
- Operational reliability at -10° C up to + 50 ° C ambient temperature
- Bolted single sheets, cost less with quicker exchange if damaged
- Air end with spin-on oil filter cartridge, easy to replace

- Automatic stop in case of malfunction:
 - Compressor temperature too high
 - Engine oil pressure too low
 - Engine temperature too high
 - Battery voltage too low
 - Fuel shortage
- Controller with digital display showing tamper proof hour counter





GDP 43-77

Compressors are equipped with Yanmar and Cummins engine, direct driven.

MAIN CHARACTERISTIC

- Engine YANMAR 4TNV88BKCP (GDP 43-51),
 Engine CUMMINS B3.3TAA (GDP 61-77) smooth
 and less vibration 4-cylinder diesel engine
- Direct Driven
- Progressive volume flow regulation
 Engine speed and air intake regulation are automatically adapted to compressed air requirement
- Soft Start allows the engine to warm up with compressors off load
- Operational reliability
 Operation at -10 to + 50°C ambient temperature
- Bolted single sheets, cost less with quicker exchange if damaged

- Start by rotary switch to avoid loss of time caused by lost ignition key
- Inside main switch avoids unauthorised operation
- Automatic stop in case of malfunction:
 - Compressor temperature too high
 - Engine oil pressure too low
 - Engine temperature too high
 - Battery voltage too low
 - Fuel shortage
- Flexible mudguards in polyurethane for a long duration.
- Controller with digital display showing tamper proof hour counter



Compressors are equipped with the new range of Cummins engine, direct driven.

MAIN CHARACTERISTIC

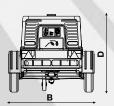
- Engine CUMMINS QSB4.5 smooth and less vibration 6-cylinder diesel engine
- Direct Driven
- Progressive volume flow regulation. Engine speed and air intake regulation are automatically adapted to compressed air requirement.
- Soft Start allows the engine to warm up with compressors off load
- Operational reliability
 Operation at -10 to + 50 °C ambient temperature
- Wide opening angle upwards side wing doors very good maintenance access
- Air end with spin-on oil filter cartridge, easy to replace
- Air filters
 Separate air filters for engine and air compressor
- 24 V electric system
 This ensures sufficient power reserves in case of cold starts and a safe run-up ability

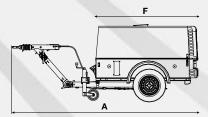
• Automatic stop in case of malfunction:

- Engine oil pressure
- Engine water temperature
- Intercooler temperature
- Airend temperature
- Engine water level
- Fuel level
- Water in fuel
- Cable break, Start against pressure
- Other errors from CAN-Bus (engine)
- Flexible mudguards in polyurethane for a long duration.
- Controller with digital display showing all the necessary operation data at a glance













Technical data

MOD. Operational data	GDP 21	GDP 31	GDP 43	GDP 51	GDP 61	GDP 77	GDP 111	GDP 116	
Volume flow (1) (m³/min)	2,0	3,0	4,2	5,0	6,0	7,6	11,3	11,5	
Operating pressure (bar)	7	7	7	7	12	7	8,6	12	
Compressed Air Outlets (n)	2x3/4"	2x3/4"	2x3/4"	2x3/4"	3x3/4"+1x1½"	3x3/4"+1x1½"	1x2"+2x3/4"	1x2"+2x3/4	
Engine	Kubota	Kubota	Yanmar	Yanmar	Cummins	Cummins	Cummins	Cummin	
Туре	Kubota D1105	Kubota D1505	A2300	A2300	B3.3TAA	B3.3TAA	QSB4.5	QSB4.5	
Installed engine power (kW)	16,3	23,1	33,5	33,5	63,0	63,0	97,0	119,0	
Engine off load speed (1/min)	2000	2000	1700	1700	1600	1600	1300	1300	
Engine full load speed (1/min)	2600	2600	2800	2800	2600	2600	2300	2200	
Fuel Tank Capacity (Liter)	40	40	60	60	140	140	210	210	
Operating weight (2)									
Portable compressor adjustable towbar braked (kg)				866	1200	1200	1980	1980	
Portable compressor adjustable towbar unbraked (kg)	539	570	745						
Base mount (kg)	458	485	685	780	1070	1070	1810	1810	
Dimensions	·								
Length compressor adjustable towbar braked (mm) - A				3241	3760	3760	4440	4440	
Length compressor adjustable towbar unbraked (mm) - A	2947	2947	2989						
Width compressor adjustable towbar (mm) - B	1200	1200	1490	1490	1700	1700	1820	1820	
Width compressor base mount (mm) - C	1000	1000	1050	1050	1220	1220	1300	1300	
Height compressor adjustable towbar (mm) - D	1194	1194	1327	1327	1440	1440	1790	1790	
Height compressor base mount (mm) - E	1145	1145	1242	1242	1326	1326	1250	1250	
Length compressor base mount (mm) - F	1650	1650	1775	1775	2205	2205	3100	3100	
Sound level									
Power sound level (3) (dB(A) LWA)	97	98	98	98	99	99	99	99	
Pressure sound level (4) (dB(A) LPA)	69	69	69	69	71	71	70	70	

(1) Acc. to ISO 1217 Ed. 3 1996 Annex D (2) Operating weight without options

(3) Legal limiting values of EC directive acc. To 2000/14/EC (4) Noise level acc. To PNEUROP PN8NTC2.2 at 7 m

The manufacturer may change the above-mentioned technical specifications without prior notice.

Technical characteristics according to ISO 1217.
Noise homologation: 2000/14/CE
Tank homologation: 87/404/CE
Gas oil specific weight: 0,84 kg/L.

Maintenance is as easy as ever.

FAST AND EASY SERVICE

These compressors are designed to ensure easy access to maintenance points. All panels on the structure can be easily removed to allow full access to all service points. Also, the limited number of moving parts reduces service costs.

SERVICE NETWORK

Our large network of approved Gardner Denver dealers is always at your service to ensure the smooth running of your compressor. Gardner Denver can ensure the swift supply of replacement parts to respond to different system needs.

AFTER-SALES SERVICE

Gardner Denver offers a full range of after-sales services to fulfil all client needs. Using original spare parts

will allow customers to save time and money in the long run.









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