



 **BOTTARINI**
A Gardner Denver Product

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 new diesel engines from Cummins, the world's leading manufacturer 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.



GDP 21-31

• 2.0 to 3.0 m³/min

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
- **Transparent plastic fuel tank** for direct visual level and pollution checking
- **Start by rotary switch** to avoid loss of time caused by lost ignition key.
- **Inside main switch board** to avoid 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
- **Controller with digital display** showing tamper proof hour counter



GDP



GDP 43-77

• 4.2 to 7.6 m³/min

Compressors are equipped with Cummins engine, direct driven.

MAIN CHARACTERISTIC

- **Engine CUMMINS A2300 (GDP 43-51), A2300T (GDP 63), 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
GDP 63 + 45°C
- **Bolted single sheets**, cost less with quicker exchange if damaged
- **Air end with spin-on oil filter cartridge**, simple maintenance, easy to replace
- **Air filters**, separate air filters for engine and air compressor
- **Transparent plastic fuel tank** for direct visual level and pollution checking
- **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



GDP 111-116

• 11.3 m³/min - 8,6 BAR / 11,5 m³/min - 12 BAR

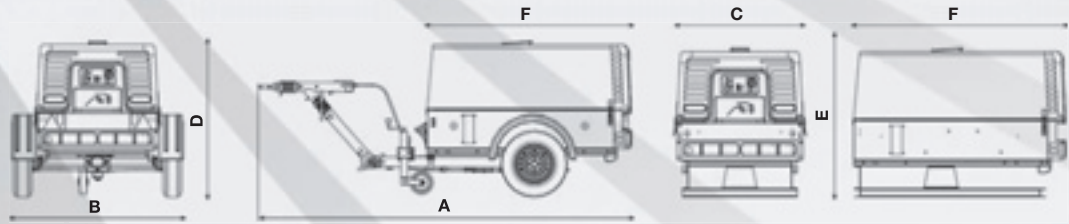
Compressors are equipped with the new range of Cummins engine, direct driven.

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



GDP



Technical data

MOD.	GDP 21	GDP 31	GDP 43	GDP 51	GDP 63	GDP 61	GDP 77	GDP 111	GDP 116
Operational data									
Volume flow (1) (m ³ /min)	2,0	3,0	4,2	5,0	6,2	6,0	7,6	11,3	11,5
Operating pressure (bar)	7	7	7	7	7	12	7	8,6	12
Compressed Air Outlets (n)	2x3/4"	2x3/4"	2x3/4"	2x3/4"	1x1"+2x3/4"	3x3/4"+1x1½"	3x3/4"+1x1½"	1x2"+2x3/4"	1x2"+2x3/4"
Engine									
	Kubota	Kubota	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins
Type	Kubota D1105	Kubota D1505	A2300	A2300	A2300T	B3.3TAA	B3.3TAA	QSB4.5	QSB4.5
Installed engine power (kW)	16,3	23,1	33,5	33,5	44,7	63,0	63,0	97,0	119,0
Engine off load speed (1/min)	2000	2000	1700	1700	1700	1600	1600	1300	1300
Engine full load speed (1/min)	2600	2600	2800	2800	2800	2600	2600	2300	2200
Fuel Tank Capacity (Liter)	40	40	60	60	60	140	140	210	210
Operating weight (2)									
Portable compressor adjustable towbar braked (kg)				866	876	1200	1200	1980	1980
Portable compressor adjustable towbar unbraked (kg)	539	570	745						
Base mount (kg)	458	485	685	780	790	1070	1070	1810	1810
Dimensions									
Length compressor adjustable towbar braked (mm) - A				3241	3341	3760	3760	4440	4440
Length compressor adjustable towbar unbraked (mm) - A	2947	2947	2989						
Width compressor adjustable towbar (mm) - B	1200	1200	1490	1490	1490	1700	1700	1820	1820
Width compressor base mount (mm) - C	1000	1000	1050	1050	1050	1220	1220	1300	1300
Height compressor adjustable towbar (mm) - D	1194	1194	1327	1327	1327	1440	1440	1790	1790
Height compressor base mount (mm) - E	1145	1145	1242	1242	1242	1326	1326	1250	1250
Length compressor base mount (mm) - F	1650	1650	1775	1775	1775	2205	2205	3100	3100
Sound level									
Power sound level (3) (dB(A) LWA)	97	98	98	98	98	99	99	99	99
Pressure sound level (4) (dB(A) LPA)	69	69	69	69	69	71	71	70	70
Notes									
(1) Acc. to ISO 1217 Ed. 3 1996 Annex D					(3) Legal limiting values of EC directive acc. To 2000/14/EC				
(2) Operating weight without options					(4) Noise level acc. To PNEUROPN8NTC2.2 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.