

**DS**

supersilent >

31K

powerful > compact

**PORTABLE
COMPRESSORS**

IDEAL EQUIPMENT
FOR HEAVY DUTY
**SERVICE
VEHICLES**



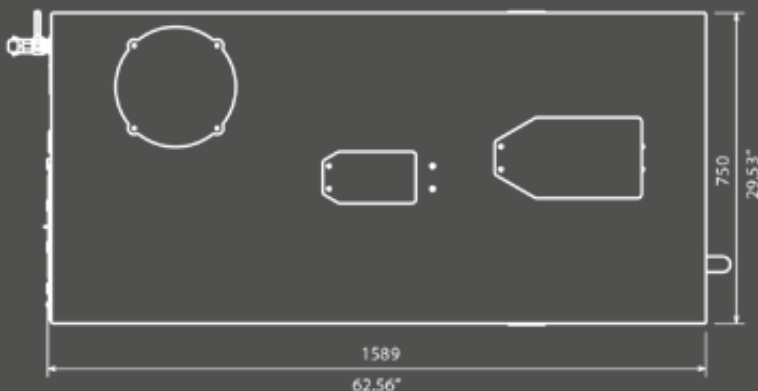
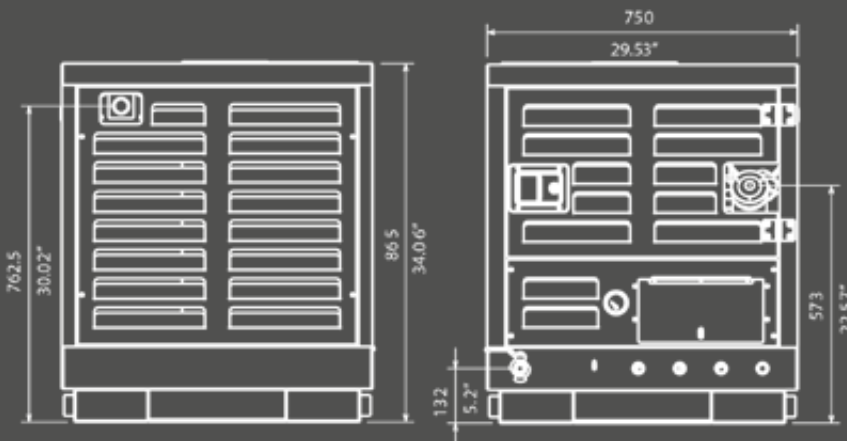
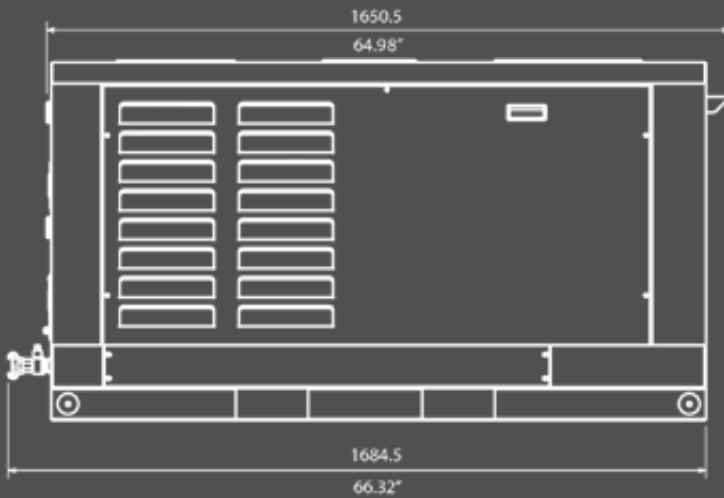
- › Industry leading compact, box-type design.
- › Electro-galvanized bodywork and chassis with advanced painting procedure to grant an excellent preservation through time.
- › Easy Service design for maximum accessibility for ease of maintenance.
- › Curbside mounted control panel, adjacent air valves and fluid drains for convenient operation and maximum operator safety.
- › Steel fuel tank, resists cracks, splitting and deformation.

**OPTIONS
AND ACCESSORIES:**

- › Clog indicator for engine air filter
- › Fuel indicator

supersilent ›

DS 31K



› Quiet and efficient Kubota Tier 2 engine, without costly DPF System.

› Exclusive pneumatic control system, developed by ROTAIR, to adjust automatically engine revs, depending on the air to be delivered. This system is highly reliable and ensures fuel consumption saving.

› Start/Stop "INTELLIGENT SYSTEM", exclusive from ROTAIR, to prevent the risk of incorrect procedures during specific functioning.

› Air/oil separator filter, element inside separator tank, can guarantee an excellent air/oil separation.

› The air and oil filters of the compressor and the air and oil filters of the engine are independent.

› Spin-on engine and compressor oil filters for faster and easier maintenance.

› Single stage oversized air filter for compressor part, to guarantee good filtering of the air intake by airend. As option, Two-stage air filter.

› Two-stage air filter for engine part.

› Combined radiator allowing both compressor oil cooling and engine liquid cooling.



THE RESPECT OF ORDINARY MAINTENANCE INTERVALS AND THE USE OF GENUINE SPARE PARTS ENSURE CONSTANT AND OPTIMAL PERFORMANCES AND RELIABLE DURABILITY THROUGH TIME.

Technical Data

weight >

550 kg
1213 lbs

powerful > compact

PORTABLE COMPRESSORS

COMPRESSOR

| | |
|----------------------------|--|
| Operating pressure | 7 bar - 102 psi |
| Free air delivery | 3000 lt/min - 106 cfm |
| Minimum working pressure | 5 bar - 73 psi |
| Drive system engine-airend | Direct Drive |
| Compressor cooling system | Air / Oil |
| Oil cooling capacity | 8 lt - 1.76 UK gal |
| Air outlet temperature | 40°C - 105°F + Ambient temperature |
| Outlet valves | 1 x 3/4" |
| Battery capacity | 12V cc - 74 Ah - 680 A |
| Fuel tank capacity | 50 lt - 11 UK gal |
| Consumes | 4,4 lt/h - 0.97 UK gal/h (11 working h.) |

DIESEL ENGINE

| | |
|-----------------------------|------------------------------|
| Engine make | KUBOTA |
| Engine type | V-1505-E3B |
| Engine system | 4 strokes - Inline |
| Emissions | Stage III A / Tier 4 Interim |
| Displacement | 1498 cc |
| N. cylinders | 4 |
| Aspiration | Natural |
| Max engine power @3000 RPM | 26,2 kW - 35.0 HP |
| Max engine speed | 3000 RPM |
| Min engine speed | 1600 RPM |
| Cooling system | Water |
| Cooling system capacity | 5 lt - 1.1 UK gal |
| Lubrication system | Oil |
| Lubrication system capacity | 6 lt - 1.32 UK gal |

ENVIRONMENTAL CONDITIONS - (Standard Version*)

| | |
|-------------------------|---------------|
| Max ambient temperature | 50°C - 122°F |
| Max altitude | 1800 m a.s.l. |
| Min working temperature | -10°C / 14°F |

*All images and pictures are indicative. Data can be changed without prior notice.



*For versions with different operating pressures or for requests of machines to be used under particular ambient temperature conditions, data have to be previously asked to our technical dept.



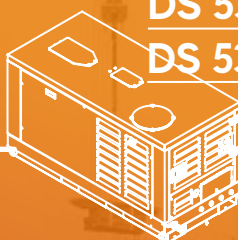
powerful > compact

PORTABLE COMPRESSORS

IN THE
SAME
BOXED
RANGE

DS 22 Y
DS 31 K
DS 37 K
DS 46 K
DS 53 K
DS 53 Y

DS 31 K | 07.2021-Rev.01



ROTAIR TECHNOLOGY AND
ENGINEERING SOLUTIONS

Via Bernezzo, 67 - 12023 Caraglio (Cn) - ITALY
Tel: +39 0171.619676 / Fax: +39 0171.619677
www.rotairspa.com | info@rotairspa.com



Azienda
certificata
ISO
9001:2008

