

**DS**

supersilent ›

**53 K**

powerful › compact

**PORTABLE  
COMPRESSORS**

IDEAL EQUIPMENT  
FOR HEAVY DUTY  
**SERVICE  
VEHICLES**



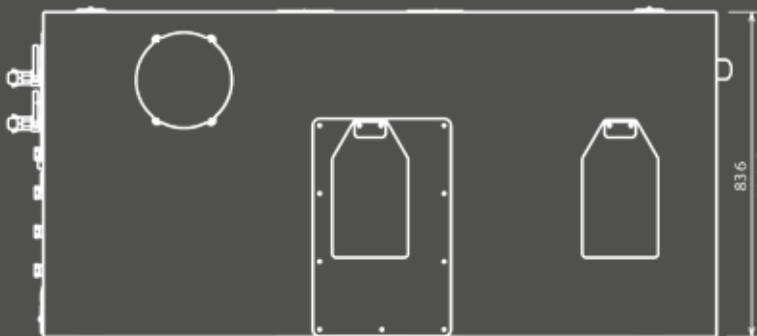
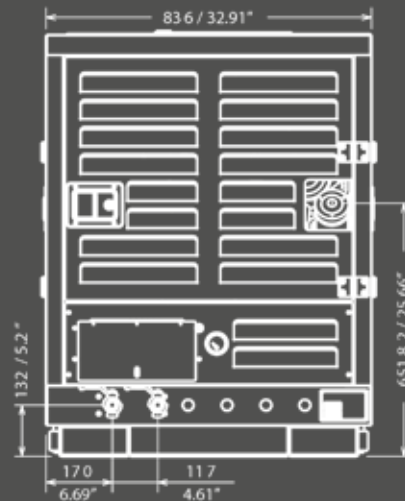
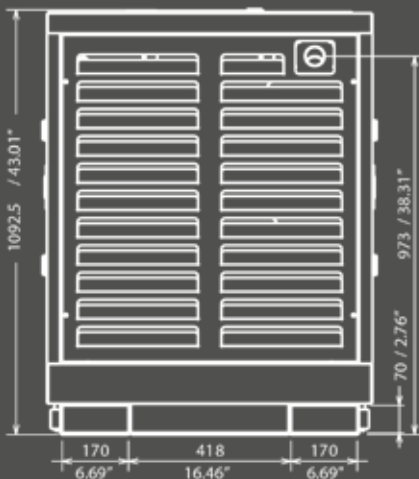
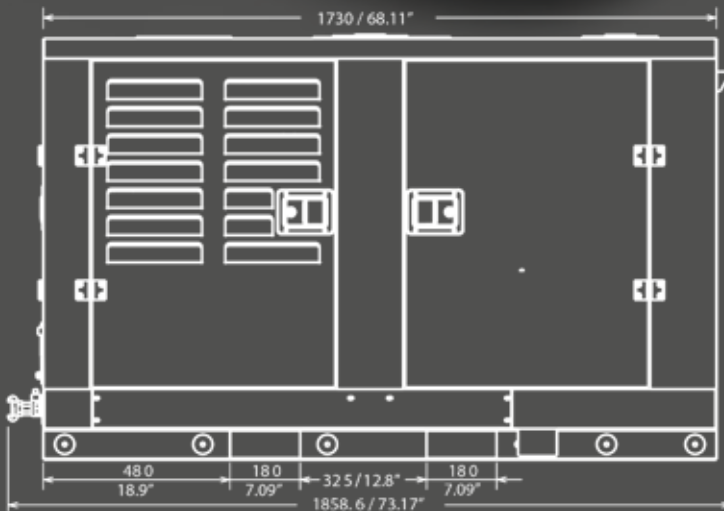
- › Industry leading compact, box-type design.
- › Electro-galvanized bodywork and chassis with advanced painting procedure to grant an excellent preservation through time.
- › Easy Service design for maximum accessibility for ease of maintenance.
- › Curbside mounted control panel, adjacent air valves 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

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# DS 53 K



- ▶ 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 >

890 kg  
1962 lbs

powerful > compact

## PORTABLE COMPRESSORS

### COMPRESSOR

Operating pressure	7 bar - 102 psi
Free air delivery	5200 lt/min - 185 cfm
Minimum working pressure	5 bar - 73 psi
Drive system engine-airend	Direct Drive
Compressor cooling system	Air / Oil
Oil cooling capacity	10,7 lt - 2.35 UK gal
Air outlet temperature	40°C - 105°F + Ambient temperature
Outlet valves	2 x 3/4"
Battery capacity	12V cc - 750A-100Ah (EN)
Fuel tank capacity	88 lt - 19.36 UK gal
Consumes	6,7 lt/h - 1.47 UK gal/h (13,15 working h.)

### DIESEL ENGINE

Engine make	KUBOTA
Engine type	V-2403-M-DI
Engine system	4 strokes - Inline - Direct Injection
Emissions	Stage III A / Tier 4 Interim
Displacement	2434 cc
N. cylinders	4
Aspiration	Natural
Max engine power @2700 RPM	36,5 kW - 49.0 HP
Max engine speed	2700 RPM
Min engine speed	1600 RPM
Cooling system	Water
Cooling system capacity	8 lt - 1.76 UK gal
Lubrication system	Oil
Lubrication system capacity	9,5 lt - 2.09 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.



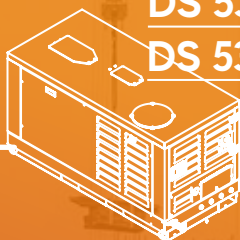
powerful > compact

## 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 53 K | 07/2021 - Rev 01



**ROTAIR** TECHNOLOGY AND  
ENGINEERING SOLUTIONS

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Azienda  
certificata  
ISO  
9001:2008

