

PORTABLE SCREW COMPRESSOR

PDS130S



Main Improvements:

◆ **Superior Serviceability**

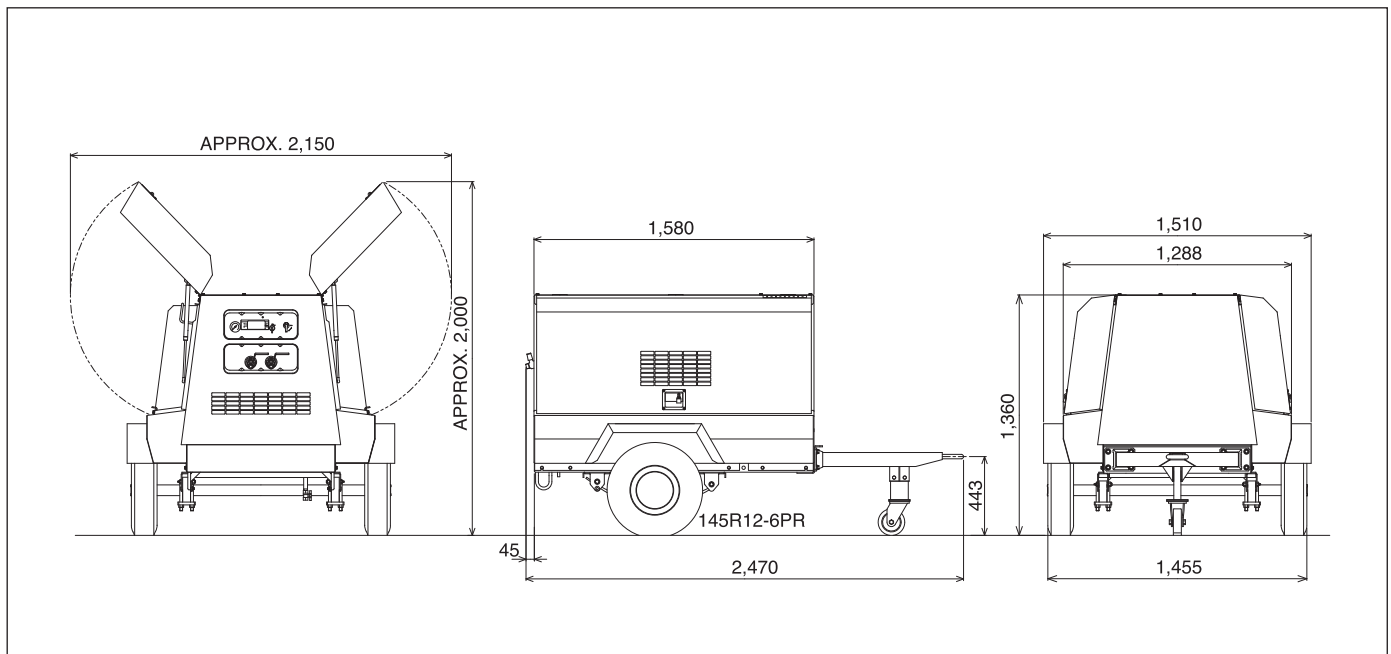
- Newly-designed GULL-WING door - Easiest access to interior inspection and maintenance.
- Filter Cartridge type Separator allows Easiest replacement.

◆ **Main Components - Maintenance-Free**

- New Piston type Automatic-Relief Valve has no diaphragm. Thus servicing of diaphragm is not required any longer.
- Pressure Adjustment Regulator has become smaller and has no diaphragm which need be replaced. It is not necessary to replace diaphragm any longer.

◆ **Smooth and Easy Cleaning**

- Fittings of oil piping connection have been designed to be O-Ring seat type to eliminate oil leakage.
- Radiator and oil cooler are combined in form of one piece panel so that it provides much more smooth and easier cleaning of radiator and oil cooler.



SPECIFICATIONS PDS130S-6B4

COMPRESSOR

Type	Rotary twin screw, single stage, oil-cooled
Free air delivery	3.7 m ³ /min(130 cfm)
Working pressure	0.7 MPa(7.1 kgf/cm ² G)(102 psi)
Unloader	Suction port closing in connection with stepless speed regulator
Lubrication system	Forced lubrication by compression pressure
Driving system	Direct coupling with gears coupling
Oil cooling	Air-cooled
Air cleaner	Dry paper filter type

DIESEL ENGINE

Model	Ishikawajima-Shibaura N843L
Type	Water-cooled, 4-cycle, swirl chamber type
No. of cylinders	3
Cyl. bore X stroke	88 mm x 90 mm
Total displacement	1.642 liters
Compression ratio	22.5 : 1
Rated output	28 kW/3,000 min ⁻¹ (37.5 PS/3,000 rpm)
Max. torque	100 Nm/approx. 2,200 min ⁻¹ (10.2 kgf-m/approx. 2,200 rpm)
Injection pump	Bosch type
Governor	Centrifugal, all-speed
Alternator	DC 12 V, 27 A
Starting motor	DC 12 V, 2.0 kW
Battery	80D26R-MF(NX110-5MF)x1 pc.
Air cleaner	Dry type
Fuel tank capacity	70 liters
Engine oil capacity(including oil cooler)	6.0 liters
Coolant capacity(including engine radiator)	6.6 liters
Compressor oil capacity(including receiver tank & oil cooler)	14 liters

OIL SEPARATOR-RECEIVER TANK

Type	Vertical, cylindrical, full-welded
Shell dia.	φ220 mm
Shell length	757 mm
Capacity	0.03 m ³
Max. working pressure	1.0 MPa(10.2 kgf/cm ² G)
Hydraulic test pressure	1.5 MPa(15.3 kgf/cm ² G)
Air outlet valve	20 A x 2 pcs.

INSTRUMENTS & GAUGES

EMERGENCY STOP DEVICES

- Oil pressure switch
- Engine coolant temperature switch
- Discharge air temperature switch

GAUGES

- Pressure gauge
- Hour meter
- Fuel gauge
- Starter switch
- Starting unloader valve
- Glow lamp

WARNING LAMP

- For engine oil pressure drop
- For engine coolant temperature rise
- For discharge air temperature rise
- For battery charging
- For low fuel level

WEIGHT

Dry weight	880 kgs
Operating weight	960 kgs

HOKUETSU INDUSTRIES CO., LTD.

8TH Floor Shinjuku San-Ei Bldg,
22-2 Nishi-Shinjuku 1-Chome, Shinjuku-ku, Tokyo 160-0023 Japan
TEL:81-3-3348-7281 FAX:81-3-3348-7289
E-mail:oversea@airman.co.jp
http://www.airman.co.jp

HOKUETSU INDUSTRIES EUROPE B.V.

Breguetlaan 12, 1438 BC Oude Meer, The Netherlands
PHONE:31-20-6462636 FAX:31-20-6462191
e-mail:info@hokuestu.nl

SAFETY

- Operate safely in accordance with proper operation manual.
- To prevent trouble and accidents, perform daily and preventive maintenance checks without fail.



ISO9001 : JQA-0581
ISO14001 : JQA-EM4670