

PORTABLE SCREW COMPRESSOR

PDS390S

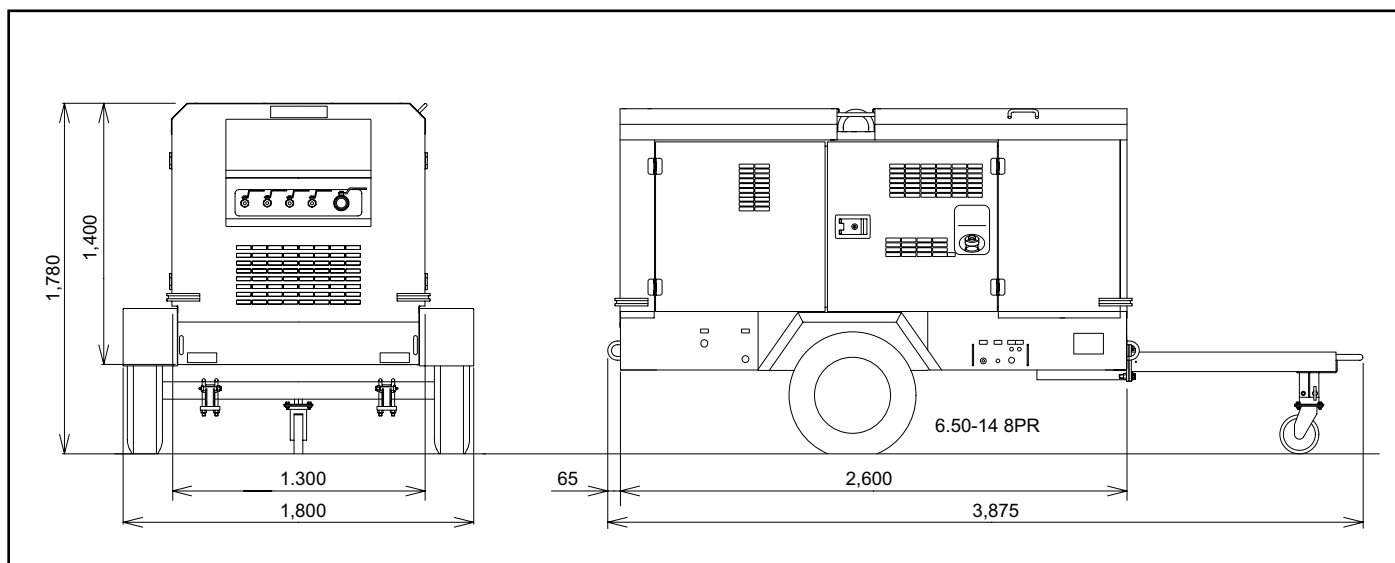


Main Improvements:

- ◆ Ultra compact and lightweight unibody structure.
- ◆ The adoption of a two-wheeled trailer makes a small turning radius and easy handling in the field dramatically.
- ◆ Efficient direct driven twin screw air-end increases service life and makes excellent fuel consumption.
- ◆ Parallel installation of radiator and oil cooler has enabled easy and smooth cleaning and washing of both radiator and cooler.
- ◆ By combination of low noise engine and large-sized low noise muffler, noise level has been lowered.
- ◆ The adoption of large-sized and hinged double doors, so easy accessibility to interior inspection and maintenance has been secured.

OUR PLANTS ARE AWARDED ISO9001 CERTIFICATION.

HOKUETSU INDUSTRIES CO., LTD.



SPECIFICATIONS

COMPRESSOR

Type	Rotary twin screw, single stage, oil-cooled
Free air delivery	11.0 m ³ /min (390 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 rubber coupling
Oil cooling	Air-cooled
Air cleaner	Dry paper filter type

DIESEL ENGINE

Model	ISUZU DD-4BG1T
Type	Water-cooled, 4-cycle, direct injection, turbo-charged type
No. of cylinders	4
Cyl. bore X stroke	105 mm X 125 mm
Total displacement	4.329 liters
Compression ratio	18.0 : 1
Rated output	80.9 kW/2,400 min ⁻¹ (110 PS/2,400 rpm)
Max. torque	367 Nm/approx. 1,800 min ⁻¹ (37.4 kgf·m/approx. 1,800 rpm)
Injection pump	Bosch type
Governor	Centrifugal, all-speed
Alternator	AC 24 V, 25 A
Starting motor	DC 24 V, 4.5 kW
Battery	80D26R-MF X 2 pcs.
Air cleaner	Dry type
Fuel tank capacity	180 liters
Engine oil capacity (including oil cooler)	13 liters
Coolant capacity (including engine radiator)	13 liters
Compressor oil capacity (including receiver tank & oil cooler)	51 liters

OIL SEPARATOR-RECEIVER TANK

Type	Vertical cylindrical steel plate fully welded
Shell dia.	Φ400 mm
Shell length	752 mm
Capacity	0.098 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	50 A X 1 pc., 20 A X 4 pcs.

INSTRUMENTS & GAUGES

EMERGENCY STOP DEVICES

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

GAUGES

Pressure gauge	Starter switch
Tachometer (with hourmeter)	Stop button
Discharge air temperature gauge	Starting unloader valve
Engine coolant temperature gauge	Panel lamp switch
Fuel gauge	Glow lamp

WARNING LAMP

- For engine oil pressure drop
- For engine coolant temperature rise
- For discharge air temperature rise
- For battery charging
- For engine speed down

WEIGHT

Dry weight	1,825 kgs
Operating weight	2,040 kgs

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SAFETY

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

ISO9001



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