

AIRMAN®

PORTABLE
SCREW COMPRESSOR
PDS265S

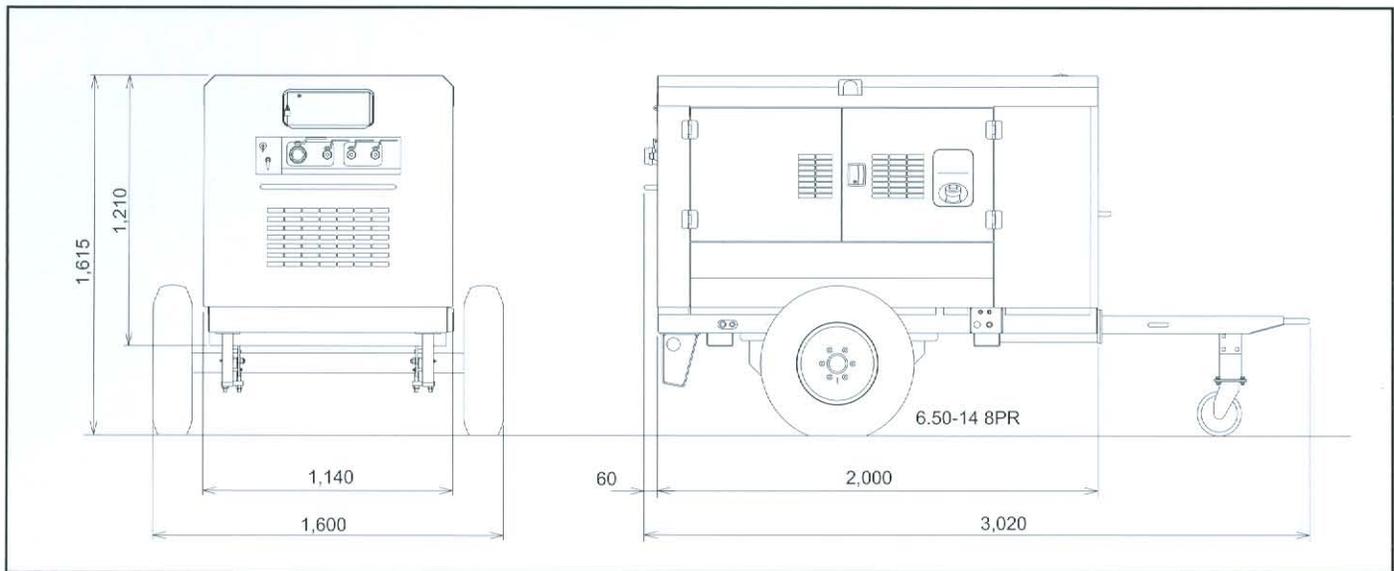


Main Improvements:

- ◆ 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	7.5 m ³ /min(265 cfm)
Working pressure	0.7MPa(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	NISSAN 2B-BD30T	
Type	Water-cooled, 4-cycle, direct injection, turbo-charged type	
No. of cylinders	4	
Cyl.bore X stroke	96 mm X 102 mm	
Total displacement	2.953 liters	
Compression ratio	18.5 : 1	
Rated output	62 kW/2,700 min ⁻¹ (84.3 PS/2,700 rpm)	
Max.torque	270 Nm/approx.2,000min ⁻¹ (27.6 kgf·m/approx.2,000 rpm)	
Injection pump	Bosch type	
Governor	Centrifugal, all-speed	
Alternator	AC 12 V, 40 A	
Starting motor	DC 12 V, 2.1 kW	
Battery	95D31R-MF X 1 pc.	
Air cleaner	Dry type	
Fuel tank capacity	114 liters	
Engine oil capacity(including oil cooler)	10 liters	
Coolant capacity(including engine radiator)	11 liters	
Compressor oil capacity(including receiver tank & oil cooler)	33 liters	

OIL SEPARATOR-RECEIVER TANK

Type	Vertical cylindrical steel plate fully welded
Shell dia.	φ 350 mm
Shell length	698 mm
Capacity	0.069 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 3 pcs.

INSTRUMENTS & GAUGES

EMERGENCY STOP DEVICES

Oil pressure switch
Engine coolant temperature switch
Discharge air temperature switch
Engine speed down switch
Fuel residual level

GAUGES

Pressure gauge	Starter switch
Hourmeter	Starting unloader valve
Fuel gauge	Tachometer (option)
Engine coolant temperature gauge(option)	

WARNING LAMP

For engine oil pressure drop
For engine coolant temperature rise
For discharge air temperature rise
For battery charging
For engine speed down
Fuel residual level down

WEIGHT

Dry weight	1,265 kgs
Operating weight	1,410 kgs

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SAFETY

- Operate safely in accordance with proper operation manual.
- To prevent trouble and accidents, perform daily and preventive maintenance

ISO9001



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