

PORTABLE SCREW COMPRESSOR

PDS655S



Main Improvements:

Made ultra Compact and ultra Lightweight.

By combination of higher performance air-end and low fuel consumption engine, we have succeeded in reduction of fuel consumption by 14% compared with our previous model.

By combination of low noise engine and large two-rows muffler, noise level has been lowered.

Parallel installation of radiator and oil cooler has enabled easy and smooth cleaning and washing of both radiator and cooler.

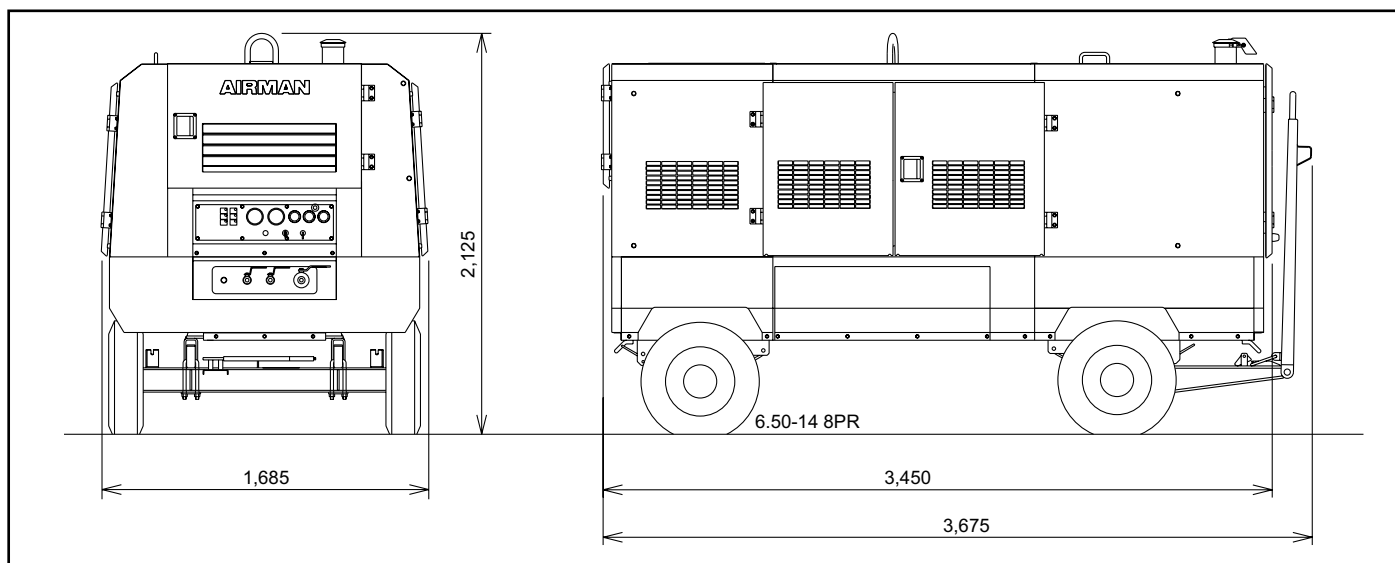
Equipped with an air chuck for convenient connection of air-blow and air-tools.

A door is provided on all sides; at front and rear, right and left side. So easy and smooth accessibility to 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	18.5 m ³ /min (655 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	HINO JO8C-V
Type	Water-cooled, 4-cycle, direct injection type
No. of cylinders	6
Cyl. bore X stroke	114 mm X 130 mm
Total displacement	7.961 liters
Compression ratio	19.2 : 1
Rated output	118 kW/2,500 min ⁻¹ (160 PS/2,500 rpm)
Max. torque	515 Nm/approx. 1,800 min ⁻¹ (53 kgf·m/approx. 1,800 rpm)
Injection pump	Bosch type
Governor	Centrifugal, all-speed
Alternator	AC 24 V, 35 A
Starting motor	DC 24 V, 4.5 kW
Battery	115F51(N120) X 2 pcs.
Air cleaner	Dry type
Fuel tank capacity	270 liters
Engine oil capacity (including oil cooler)	23 liters
Coolant capacity (including engine radiator)	29 liters
Compressor oil capacity (including receiver tank & oil cooler)	80 liters

OIL SEPARATOR-RECEIVER TANK

Type	Vertical cylindrical steel plate fully welded
Shell dia.	500 mm
Shell length	925 mm
Capacity	0.189 m ³
Max. working pressure	0.9 MPa (9.2 kgf/cm ² G)
Hydraulic test pressure	1.35 MPa (13.8 kgf/cm ² G)
Air outlet valve	50 A X 1 pc., 20 A X 2 pcs., air chuck 10 A X 1 pc.

INSTRUMENTS & GAUGES

EMERGENCY STOP DEVICES

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

GAUGES

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

WARNING LAMP

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

WEIGHT

Dry weight	2,885 kgs
Operating weight	3,335 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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