

PORTABLE SCREW COMPRESSOR

PDSF140S

After-Cooler type PDSF140SC



PDSF140S

**HIGH PRESSURE: 150PSIG
FAD: 140CFM**



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Main Improvements:

◆ Fuel-Efficient

- Fuel consumption is improved by remodeling engine and regulator characteristic.

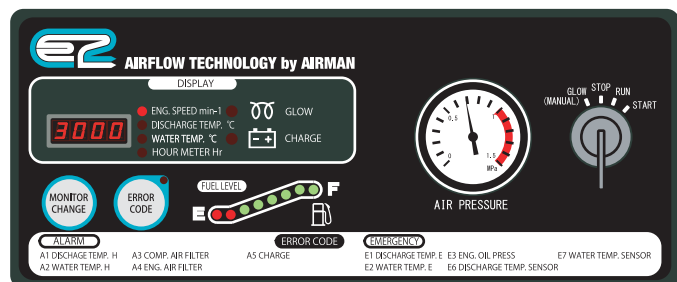
Fuel consumption at 70% load:

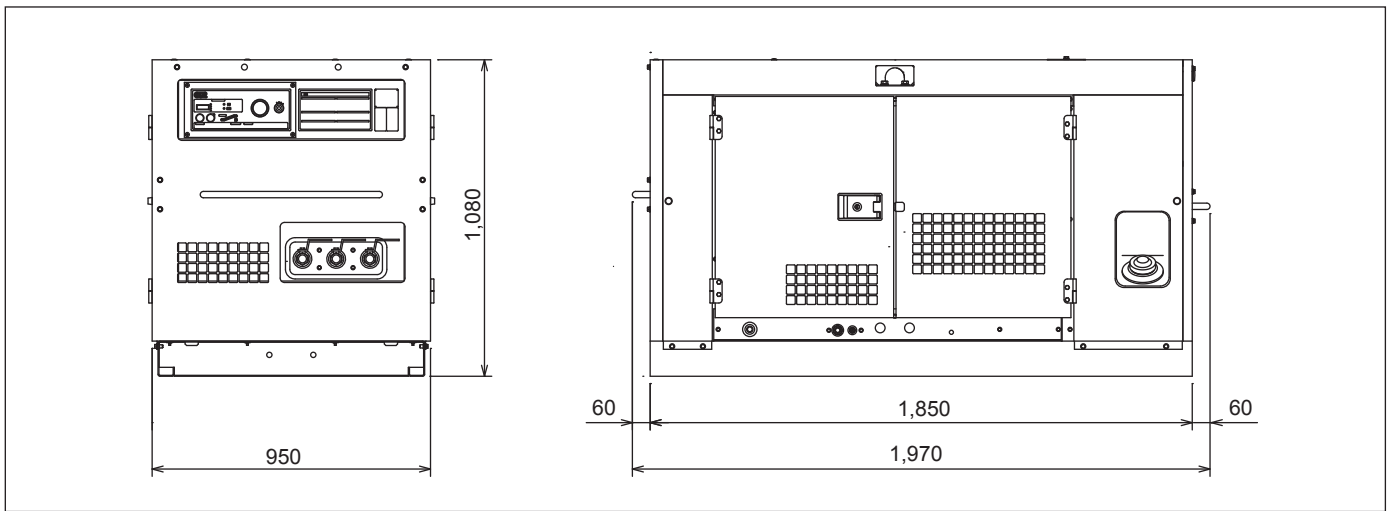
Approx. 15% reduced
(Compared to old model)

◆ Easy Maintenance

- Flat frame structure makes easy to clean up inside of machines.
- New design of interior layout including fuel tank makes easy to clean up inside of machines.

Control panel





SPECIFICATIONS PDSF140S/SC-5C3

COMPRESSOR

Type	Rotary twin screw, single stage, oil-cooled
Free air delivery	4.0 m ³ /min(140 cfm)
Working pressure	1.03MPa(10.5 kgf/cm ² G)(150 psi)
Unloader	Suction port closing in connection with stepless speed regulator
Lubrication system	Forced lubrication by compression pressure
Driving system	Direct coupling with gears
Oil cooling	Air-cooled
Air cleaner	Dry paper filter type

DIESEL ENGINE

Model	YANMAR 4TNV88-BDHKS
Type	Water-cooled, 4-cycle, direct injection type
No. of cylinders	4
Cyl. bore X stroke	88 mm x 90 mm
Total displacement	2.189 liters
Compression ratio	19.1 : 1
Rated output	34.9 kW/3,000 min ⁻¹ (47.5 PS/3,000 rpm)
Injection pump	Yanmar VE pump type
Governor	Centrifugal, all-speed
Alternator	DC 12 V, 40 A
Starting motor	DC 12 V, 1.7 kW
Battery	85D26R-MF x 1 pc.
Air cleaner	Dry type
Fuel tank capacity	90 liters
Engine oil capacity(including oil cooler)	7.4 liters
Coolant capacity(including engine radiator)	5.8 liters
Compressor oil capacity(including receiver tank & oil cooler)	15 liters

OIL SEPARATOR-RECEIVER TANK

Type	Vertical, cylindrical, full-welded
Shell dia.	Φ229 mm
Shell length	594 mm
Capacity	0.020 m ³
Max. working pressure	1.32 MPa(13.5 kgf/cm ² G)
Hydraulic test pressure	1.98 MPa(20.2 kgf/cm ² G)
Air outlet valve	20 A x 3 pcs.

INSTRUMENTS & GAUGES

EMERGENCY STOP DEVICES

Engine oil pressure switch , Discharge temperature switch ,
Engine water temperature switch ,
Disconnected of discharge temperature sensor ,
Disconnected of engine water temperature sensor

WARNING LAMP

For engine water temperature rise
For discharge temperature rise , For battery charging
For engine air filter clogging , For comp. air filter clogging

OPERATING LAMP

Glow lamp

GAUGES

Pressure gauge , Fuel gauge

MONITOR INDICATOR

Discharge temperature , Engine water temperature ,
Engine speed(rpm) , Hour meter

OPERATING SWITCH

Starter switch , Monitor change switch ,
Error code indication switch

WEIGHT

Dry weight	740 kgs / After-cooler Type:750 kgs
Operating weight	840 kgs / After-cooler Type:850 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 : JQA-0581
ISO14001 : JQA-EM4670