

High Pressure Type **Dual Pressure Switching** **After Cooler**

PDSJ850DP/DPC

Working pressure: **1.7 / 2.0MPa**, Free air delivery: **24.1m³/min**



Main Features

- ◆ Newly designed Air-end that maximizing free air delivery improves productivity effectively.
- ◆ Dual pressure selection feature and after cooler function are suitable for wide range of application such as drilling, mining, foundation, well digging, shipbuilding and oil & gas by optimizing pressure & air flow to fulfill job requirement.
- ◆ Coupled with Japan Komatsu engine which has low failure rate, stable performance and JPN Stage 3 emission standard.
- ◆ Tally with Low Noise Construction Machinery which recognized by Japan MLIT.

Safety Devices

Warning Alarm

- Discharged air temperature increase
- Oil separator discharged air temp. increase
- Compressor air filter clogged
- Engine water temperature increase
- Engine air filter clogged
- Battery charging failure

Emergency Shutdown

- Discharged air temperature too high
- Oil separator discharged air temp. too high
- Temperature sensors open
- Engine water temp. too increase
- Engine oil pressure too low
- Engine speed too low
- Engine water temp. sensors open

■ SPECIFICATION

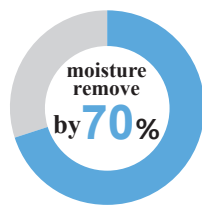
Model		PDSJ850DP _{-4C5}	PDSJ850DPC _{-4C5}
● COMPRESSOR			
Type		Rotary Twin Screw, Two-Stages, Oil-cooled	
Operating Pressure	MPa	1.7 / 2.0	
Free Air Delivery	m ³ /min	24.1	
Compressor Oil Capacity	L	98	
Discharge Air Temperature	°C	—	Atmospheric Temperature + 20
Air Outlets		2"×1, 3/4"×1	
● ENGINE			
Maker/Model		KOMATSU SAA6D125E-5-A	
Type		direct injection type, inter-cooler, turbocharger	
Total Displacement	L	11.04	
Rated Output	kW(PS)/rpm	247(335.8) / 1,900	
Designated Emissions Regulation		JPN Stage 3	
Fuel Tank Capacity	L	600	
Fuel economy (At 70% load)	L/hr	41.0	
Lubrication Oil Capacity	L	41	
Coolant amount	L	64	
Battery		170F51×2	
● DIMENSION & WEIGHT			
Overall Length×Width×Height	mm(inch)	4,370×2,000×2,290 (172.0×78.7×90.2)	
Dry Weight	kg	5,270	5,350
Wet Weight	kg	5,940	6,030
● Emission, Noise			
Sound power level in decibels (L _{WA})	dB(A)	73	

PDS-C Function of the aftercooler type

As the After-cooler cools and condenses the moisture in the compressed air, the discharged air contains only a small amount of water

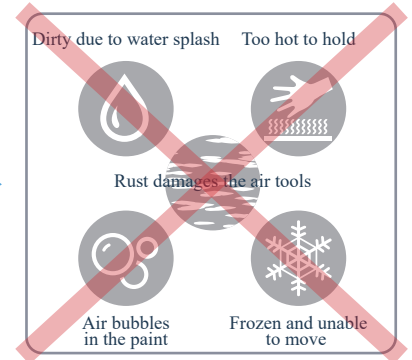
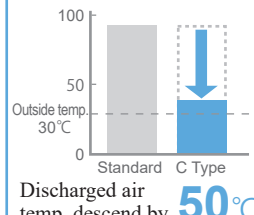
Eliminate moisture from the discharged air

Moisture from the discharged air
Atmospheric pressure, 30°C, 70%RH
100 for a standard device



Reduce the temperature of discharged air

Discharged air temperature
Atmospheric pressure, 30°C, 70%RH,
full load



AIRMAN®

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: airman.oversea@airman.co.jp
http://www.airman.co.jp

AIRMAN ASIA SDN. BHD.

Suite A-8-2, level 8, Block A, Sky Park @ One City,
Jalan USJ 25/1, 47650 Subang Jaya, Selangor, Malaysia
Tel: 60-3-5036-7228 Fax: 60-3-5036-7226
E-mail: sales@airman-asia.com

HOKUETSU INDUSTRIES EUROPE B.V.

Aalsmeerderdijk 156, 1438 AX Oude Meer, The Netherlands
Tel: 31-20-6462636 Fax: 31-20-6462191
E-mail: info@hokuetsu.nl

AIRMAN USA CORPORATION

7633 Adairsville Hwy Adairsville, GA 30103
Tel: 1-770-769-4241 Fax: 1-770-769-4335

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