

2-Stage Pressure switching High Pressure Type
PDSJ1100DP

Working pressure: 20 / 17bar, Free air delivery: 29.7m³/min



Main Features

- ◆ Newly designed Air-end that maximizing free air delivery improves productivity effectively.
- ◆ Dual pressure selection feature is suitable for wide range of application such as drilling, mining, foundation, well digging and oil & gas by optimizing pressure & air flow to fulfill job requirement.
- ◆ Newly adopted touchscreen control panel with rich information for viewing and easy to operate.
- ◆ Perform auto warming up after engine is started before transferring to loading mode.
- ◆ Perform cooling down operation automatically before engine shut down.
- ◆ Equipped with Purge Operation Mode to enhance energy saving during unload operation.
- ◆ 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

- Stage 1 , 2 discharged air temp. increase
- Oil separator discharged air temp. increase
- Ambient temp. increase
- Ambient temp. sensor open/short circuit
- Engine water temp. increase
- Oil separator pressure difference increase
- Engine air filter clogged
- Compressor air filter clogged
- Notification of filters replacement
- Fuel level low

Emergency Shutdown

- Stage 1 , 2 discharged air temp. too high
- Temperature sensors open/short circuit
- Coolant level too low
- Engine water temp. too increase
- Engine oil pressure too low
- Engine speed too low
- Receiver tank pressure too high
- Oil separator discharged air temp. too high
- Fuel level too low
- Rubber coupling protection
- Starting failure

SPECIFICATION

Model		PDSJ1100DP -4C5	
● COMPRESSOR			
Type		Rotary Twin Screw, Two-Stages, Oil-cooled	
Operating Pressure	MPa	2.0	1.7
Free Air Delivery	m ³ /min	29.7	
Compressor Oil Capacity	L	98	
Air Outlets		2"×1pc, 3/4"×1pc	
● ENGINE			
Maker/Model		KOMATSU SAA6D125E-5-C	
Type		Direct-injection, Turbo-charger, Intercooler	
Total Displacement	L	11.04	
Rated Output	PS(kW)/rpm	384.6 (282.9) / 2,100	
Designated Emissions Regulation		JPN Tier 3	
Fuel Tank Capacity	L	700	
Fuel economy (At 70% load)	L/hr	50.8	
Lubrication Oil Capacity	L	41	
Coolant amount	L	64	
Battery		170F51×2 pcs	
● DIMENSION & WEIGHT			
Overall Length×Width×Height	mm	4,370×2,000×2,290	
	(inch)	(172.0×78.7×90.2)	
Dry Weight	kg	5,520	
Wet Weight	kg	6,270	
● Emission, Noise			
Sound power level in decibels (L _{WA})	dB(A)	102	

Main menu



Multi languages selection such as English, Simplified Chinese, Traditional Chinese and Japanese.

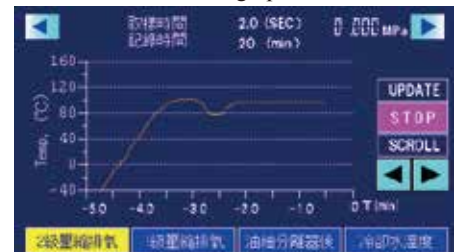
System diagram (Compressor side)



Able to monitor pressure and temperature of air, lubricant and coolant of the machine.

(Above picture is for reference only)

Trend graph



Each parameter will be recorded from 20 minutes before emergency shutdown and alarm history will make troubleshooting easier. Data can be transferred to CSV format via USB port.

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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