

High Pressure Air Compressor

PDS900VRS

Variable Pressure / Free Air Delivery High Pressure Type

PDS900VRS PDS900VRSD [Dry Air Type]

Pressure Range 0.5MPa ~ 1.4MPa, Free Air Delivery 25.5m³/min ~ 21.2m³/min



PDS900VRSD [Dry Air Type]



Wide range pressure setting available!

Just Select Pressure Modes

【HIGH】【MIDDLE】【LOW】 3-stage switch equipped as standard, pressure can be easily changed on the operation panel. In addition, the pressure of each switch can easily be adjusted in units of 0.01MPa at the operation panel.



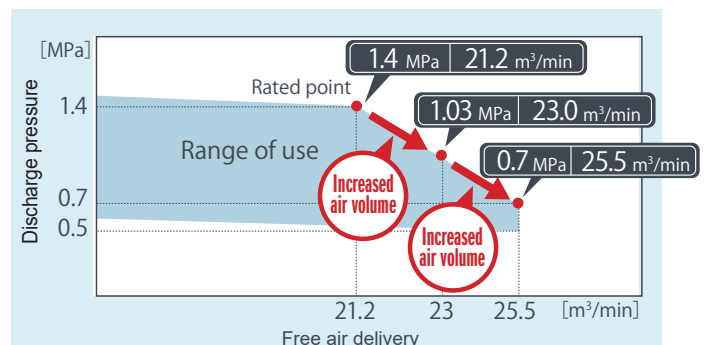
Selection switch	LOW	MIDDLE	HIGH
Initial setting [MPa]	0.7	1.03	1.4
Pressure Range [MPa]	0.5~0.75	0.76~1.08	1.09~1.45

※ Setting can be adjusted by 0.01MPa

Optimum Pressure Setting For Variety Of Applications

The pressure can be set in the range of 0.5MPa to 1.4MPa according to the site preference. In addition, Automatically increased to increase air volume.

Wide Range Pressure Regulation System (VRS)



HOKUETSU INDUSTRIES CO., LTD.

Equipped with new AS rotor to achieve high-pressure

Equipped with a newly developed high-efficiency AS rotor, the pressure has been increased from 1.27MPa of the conventional to 1.4MPa, which is the world standard. Furthermore, the air volume is 21.2m³/min, which is the same as the conventional model.

Reduce fuel consumption by 19%

※Compared with the previous model under full-load

Simple control allows for delicate adjustment. Combined with the effect of the new air end, excellent fuel economy performance is achieved.

■ SPECIFICATIONS

Model	PDS900VRS-4C5	PDS900VRSD-4C5 Dry air type
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● COMPRESSOR

Type	Rotary Twin Screw, Single-Stage, Oil-cooled		
Rate	Free air delivery	m ³ /min	21.2
	Operating pressure	MPa	1.4
Pressure range	MPa	0.5~1.4	
Free air delivery range	m ³ /min	25.5~21.2	
Compressor oil capacity	L	82	
Discharge air temperature	°C	—	Atmospheric Temp. + 40
Air outlet valve	2" × 1, 3/4" × 2		

● ENGINE

Maker/Model	HINO J08E-UK		
Type	Direct-Injection, Turbo-Charged, Intercooled		
Total displacement	L	7.684	
Rated output	kW(PS)/min ⁻¹	197(268)/2,100	
Speed range	min ⁻¹	1,300~2,350	
Fuel tank capacity	L	400	
Fuel consumption (70% Load)	L/hr	30.5	
Engine oil capacity	L	28.5	
Coolant water volume	L	37	54
Battery	170F51 × 2		

● DIMENSION & WEIGHT

Length × Width × Height	mm	3,830 × 1,730 × 2,325	
Dry (Operation) Weight	kg	3,410 (3,870)	3,580 4,040)
Tire Size	185/80R14 102/100N × 4W		

● Emission, Noise

Sound power level in decibels	dB	102	
Sound ppressure level	dB[A]	75	
Emission control	JPN Stage 3		

●The total length is the value with the drawbar upright.

⚠ Important information about safety

- Do not use compressed air for breathing, such as in pneumatic methods or diving operations, or for exhalation system equipment that directly inhales air.
- Operate safely in accordance with operation manual.
- To prevent trouble and accidents, perform daily and preventive maintenance checks without fail.

- This catalog is current as of September 2023. Be aware that the specifications, appearance, and other details may be changed without notice.
- For reasons related to printing, the paint colors seen here may differ from the actual products.

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OUT HEAD OFFICE AND PLANT ARE CERTIFIED TO BOTH ISO 9001 AND ISO 14001.



ISO9010: JQA-0581
ISO14001: JQA-EM4670
Nigata plant

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