

**PROAIR AS**  
SCREW COMPRESSOR SERIES

**SAS55VD**  
Inverter  
**SAS55SD/RD**  
2-position control / Regulator

55 kW

**SAS75VD**  
Inverter  
**SAS75SD/RD**  
2-position control / Regulator

75 kW



Indoor installation type SAS55VD

## Large increase in air delivery

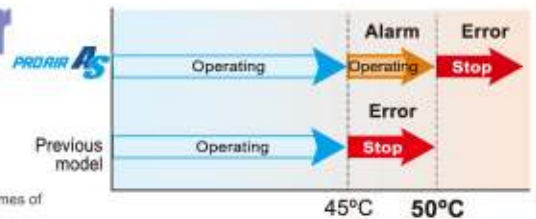
Newly developed AS rotors achieve more great performance and high efficiency, and provides the top level of air delivery in the class.



## Standard equipment available for 50°C ambient temperatures

Improvements to the cooler and fan cooling system, and to dryer performance, allow this system to operate at ambient temperatures up to 50°C.

\*If continuous operation over long periods occurs in an environment where the ambient temperature exceeds 40°C, the lifetimes of the lubrication oil, electronics, O-rings, and other components will be shortened from their usual values.



## Low noise

The use of a low-noise enclosure with improved intake and exhaust duct structures results in a lower noise level.



\* Noise values are converted to values for anechoic chamber conditions during full-load operation, at a point 1.5 m in front of the machine (control side) and a height of 1.0 m. The noise value when the machine is actually installed will vary largely depending on the installation environment (effects of surrounding reverberation, etc.). Noise values are also different during airflow control operation.

## ■specification

Item	Model	55kW			75kW		
		SAS55SD-5E/6E 2-position control	SAS55RD-5E/6E Regulator control	SAS55VD-E Inverter control	SAS75SD-5E/6E 2-position control	SAS75RD-5E/6E Regulator control	SAS75VD-E Inverter control

### ●Compressor

Model		Rotating screw type, single-stage, oil cooling			Rotating screw type, single-stage, oil cooling		
Air Delivery *1	m <sup>3</sup> /min	10.2[9.3]	10.2[9.3]	10.4(11.8~9.1)	13.9[12.7]	13.9[12.7]	14.2(16.1~12.5)
Working pressure *2	MPa	0.7[0.85]	0.7[0.85]	0.7(0.5~0.9)	0.7[0.85]	0.7[0.85]	0.7(0.5~0.9)
Capacity control system		2-position control + A.C.C.S. + Purge control + Automatic start/stop	Regulator control + Purge control + Automatic start/stop	Inverter control + Purge control + Automatic start/stop	2-position control + A.C.C.S. + Purge control + Automatic start/stop	Regulator control + Purge control + Automatic start/stop	Inverter control + Purge control + Automatic start/stop
Intake conditions		Atmospheric pressure, 2 - 40°C			Atmospheric pressure, 2 - 40°C		
Lubricant oil capacity *3	L	41			42		
Discharge air pipe diameter	A	50			50		

### ●Motor

Model		Totally-enclosed, external fan, 3-phase squirrel cage induction motor		Totally-enclosed IPM 3 phase synchronous motor	Totally-enclosed, external fan, 3-phase squirrel cage induction motor		Totally-enclosed IPM 3 phase synchronous motor
Output	kW	55			75		
Frequency	Hz	50/60	50/60	Both 50/60	50/60	50/60	Both 50/60
Voltage	V	200/200-220, 380-400/440			200/200-220, 380-400/440		
No. of poles	P	4	4	6	2	2	6
Starting system		Star Delta	Star Delta	Inverter	Star Delta	Star Delta	Inverter

### ●Cooling fan

Output	kW	1.5(Inverter control)	1.5(Inverter control)
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### ●Dimension and weight

Overall width	mm	2,450			2,450		
Overall depth	mm	1,150			1,150		
Overall height	mm	1,570			1,570		
Weight*4	kg	1,570(1,460)	1,570(1,460)	1,360(1,250)	1,640(1,510)	1,640(1,510)	1,500(1,370)
Noise level *5	dB[A]	59	59	58	62	62	62

### ●Dryer

Input	kW	1.8/2.2-2.2	2.3/2.7-2.7
Outlet dew point *6	°C	10 (under pressure)	10 (under pressure)
Coolant and control system		R410A / capillary tube	R410A / capillary tube

\*1: Air delivery is converted at intake conditions at atmospheric pressure and 30°C. As for guaranteed value, please ask us if necessary.

\*2: Inverter model figures in brackets ( ) are the setting range. 2-position control and regulator model figures in brackets [ ] are the values for high-pressure specifications (option at time of manufacture).

\*3: Be sure to use Long-Life SP genuine Hokuetsu compressor oil.

\*4: Figures in brackets show those of the unit without dryer.

\*5: Noise level is measured at the distance of 1.5m (front) and 1.0m high from unit as full load. Depending on the installation environment (effects of surrounding reverberation, etc.), the noise level when the system is actually installed may be higher than the level indicated here. The noise level also changes when the capacity control operation is in effect.

\*6: Outlet dew point is the one at ambient temperature of 30°C.

\* A separate air tank with sufficient capacity must be installed.

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## SAFETY

Before use, please read the operation manual carefully and use the machine safely in order to prevent an accident and failure. Please make sure to perform daily and/or periodic check.



ISO9001 : JQA-0581  
ISO14001 : JQA-EM4670