

Spec

		SMS11RD -5C/6C	SMS15RD -5E/6E	SMS22RD -5E/6E	SMS37RD -5E/6E	SMS75RD -5E/6E
	Without dryer	SMS11R-5C/6C	SMS15R-5E/6E	SMS22R-5E/6E	SMS37R-5E/6E	SMS75R-5E/6E
	Cooling system	Air-cooled				
●Compressor						
Type		Rotating screw type, 1-stage compressed oil cooling				
Air delivery*1	m³/min	1.5[1.65]	2.65[2.35]	4.1[3.6]	6.9[6.2]	13.9[12.7]
Discharge pressure	MPa	0.83[0.69]	0.7[0.85]			
Air control system		Regulator control + Purge control + Automatic start/stop				
Starting system		Atmospheric pressure, 2*2~40℃				
Lubricant oil capacity*3	L	11			15	42
Discharge air pipe diameter	A	25(1B)×1 20(3/4B)×1		40(1 1/2B)×1 20(3/4B)×1		50(2B)×1 20(3/4B)×2
Normal output of the fan motor	kW	0.4			0.75	1.5
●Motor						
Type		Fully-enclosed, external fan, 3-phase squirrel cage induction motor				
Nominal output	kW<PS>	11<15>	15<20>	22<30>	37<50>	75<100>
Frequency	Hz	50/60				
Voltage	V	200/200·220[400/400·440]				
No. of poles	P	4				2
Starting system		Direct input		Star delta		
●Approx. dimensions and approx. weight						
Overall width	mm	1,680		1,900	2,110	2,590
Overall depth	mm	890		910	1,030	1,250
Overall height	mm	1,250		1,250	1,380	1,690
Weight*4	kg	640(605)	700(665)	850(800)	1,195(1,125)	1,900(1,770)
Noise level*5	dB[A]	59			60	61
●Dryer						
Input (chiller normal output)	kW	0.51/0.58·0.6(0.5)		1.19/1.47·1.5(1.1)	1.2/1.4·1.4(1.5)	2.3/2.7·2.7(1.9)
Outlet dew point*6	℃	10(under pressure)				
Coolant		R407C			R410A	

※1 Air delivery is calculated assuming the intake condition are at atmospheric pressure and at a temperature of 30℃. For the guaranteed value of air delivery, please contact us.

※2 To use the compressor in a cold weather region (at 2° C or below), the optional tape heater is required.

※3 Be sure to use our genuine compressor oil.

※4 The numbers in parentheses " () " for weight are for dryerless specs. The weight differs for 400/440V specs.

※5 The noise values are calculated assuming the anechoic chamber conditions are at a distance of 1.5m from the front (operating side) of the compressor.
at a height of 1.0m, and at an outside temperature of 30℃ during full-load operation.
Depending on the installation environment (effects of surrounding reverberation, etc.), the noise level under the actual installation conditions may be higher than the value shown herein.
The noise level also varies during air capacity control operation.

※6 The outlet dew point is the value at an ambient temperature of 30° C.

⚠ Important information about safety

- 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 November 2024. 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.

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Screw Compressors SMS-R/D Series

AIRMAN®

Screw Compressors SMS-R/D Series



SMS11RD



SMS75RD

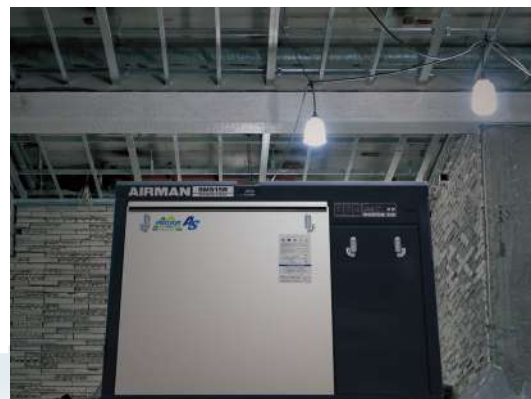
HOKUETSU INDUSTRIES CO., LTD.

Usable in various situations such as tunnel construction and underground work.

AIRMAN motor screw compressors "SMS-R/D series" are **ideal for sites such as tunnel construction and underground work** since it does not emit exhaust gas. **The operation sound of AIRMAN screw compressor is so quiet that can be concerned on the surroundings.**

Therefore, SMS-R/D series are suitable for construction sites at late night.

We offer a wide range of product lineup. : Nominal output 11kW<15PS> to 75 kW<100PS>



*These are images.

Point

Select the best model from an extensive product lineup.

We offer a wide range of product lineup.
Nominal output 11kW <15PS> - 75kW <100PS>



SMS11RD-5C/6C
Nominal output: 11kW<15PS>
Air delivery: 1.5m³/min



SMS15RD-5E/6E
Nominal output: 15kW<20PS>
Air delivery: 2.65m³/min



SMS22RD-5E/6E
Nominal output: 22kW<30PS>
Air delivery: 4.1m³/min



SMS37RD-5E/6E
Nominal output: 37kW<50PS>
Air delivery: 6.9m³/min



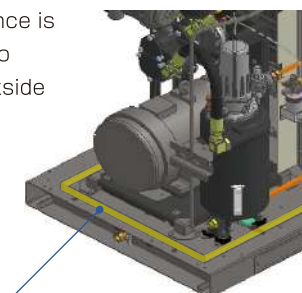
SMS75RD-5E/6E
Nominal output: 75kW<100PS>
Air delivery: 13.9m³/min

Point

Eco-friendly Function

In case of oil leak, an oil fence is installed within the frame to prevent oil from leaking outside the machine.

*This function does not guarantee the prevention of all oil leakages.



Oil fence

Point

One Point Lifting & Double Stack

One Point Lifting makes it easy to load onto vehicles. In addition, double stack can save space.

■One Point Lifting



■Double Stack



*Up to double-stack. *These are images.

Point

Eliminate moisture in Compressed Air

Eliminate moisture from compressed air by built-in dryer.

- Too hot to hold
- Dirty due to water splash
- Rust damages the air tools
- Air bubbles in the paint
- Frozen and unable to work under cold environment

Prevent above and so on.

*The specification without dryer is also available.

Point

Service Valve

Rotation stoppers are equipped on the service valve that tends to loosen.

*Not applicable to SMS22R/D and SMS37R/D.



Point

Low Noise

The low-noise enclosure results in a low noise level that is also considerate to the surrounding environment.

