

KOBELCO

Small range of KOBELION IV

KOBELION

SCREW COMPRESSOR

VS/SG Series



KOBELION series stretch own limit to smaller kW range.
Efficiency and reliability with small and simple package.

Motor Power

3.7-15 kW

Discharge
air flow

0.44-3.0m³/min

High performance accommodated in the small package.



Wide range control [VS]

Increasing air flow at low operating pressure.
New KOBELION VS achieves much higher flow and much wider pressure range.

Low pressure operation mode

Switching operating pressure band by one click.
Simple and easy access to further energy saving.

Up to 45°C ambient

Optimum design of coolers and additional safety realize high durability to ambient condition.

Dryer pre-operation mode

Dryer pre-operation function is standardly equipped.
No high moisture air can be delivered from its start up.

Auto drain removal operation

Removing condensate inside unit by maintaining inside temperature.

Flexible drain exhaust system

Drain discharge interval is adjusted based on ambient temperature and load ratio, and eliminating excess air loss.

High discharge temperature pre-protection

When discharge temperature hikes beyond alarm point, discharge pressure setting is to be reduced to avoid sudden machine stop.

■ Specifications

VS series [Inverter model / Air cooled]

Model	Discharge pressure	Discharge air flow	Nominal output	Pipe connection	Lube oil quantity	Noise level	Dimension	Weight
	MPa	m ³ /min	kW	A	L	dB (A)	W×D×H mm	
VS8ADIV	0.5-0.83	1.25-1.05	7.5	20	5	56	1,045 × 730 × 1,050	330 [340]
VS11A/ADIV	0.4-0.83	1.9-1.5	11	25	8	56	1,160 × 670 × 1,200	397 [422]
VS15A/ADIV	0.5-0.85	3.0-2.35	15	25	8	58	1,160 × 670 × 1,270	520 [545]

Main motor : 4-pole, TEFC Induction motor, Class F, Inverter drive.

[] for 400/440V class
VS11AIV (without dryer) : 362 [387] kg
VS15AIV (without dryer) : 495 [520] kg

SG series [Fix speed model / Air cooled]

Model	Discharge pressure	Discharge air flow	Nominal output	Pipe connection	Lube oil quantity	Noise level	Dimension	Weight
	MPa	m ³ /min	kW	A	L	dB (A)	W×D×H mm	
SG4ADIV	0.83	0.44	3.7	10	2.5	56	760 × 510 × 750	160
SG6ADIV	0.83	0.67	5.5	20	3.5		900 × 580 × 900	235 [245]
SG8ADIV	0.83 [0.93]	1.0 [0.93]	7.5	20	5		950 × 630 × 1,050	300 [310]
SG11A/ADIV	0.83 [0.69/0.93**]	1.5 [1.65/1.35]	11	25	8		1,160 × 670 × 1,200	387 [412]
SG15A/ADIV	0.7 [0.85/0.93**]	2.65 [2.35/2.15]	15	25	8	58	1,160 × 670 × 1,270	505 [530]

**Suction throttling is for 0.9MPa. Main motor : 4-pole, TEFC Induction motor, Class F, Direct-Online starter.
Electrical spec : Three phases, 50Hz-200/60Hz-200, 220V (400/400,440V).
A : Air cooled, without dryer / AD : Air cooled, with dryer.

[] for 400/440V class
SG11AIV (without dryer) : 352 [377] kg
SG15AIV (without dryer) : 480 [505] kg

KOBELCO COMPRESSORS CORPORATION

<https://kobelco-compressors.com>

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