

## COMPACT TYPE SERIES

The standard for compact compressors, results from the pursuit of operability with simplicity and efficiency.

The superior operability and durability allows anyone to start operating the equipment on the very first occasion. Sophisticated basic functions are packed into the compact compressors.

**NEW Kobelion-SG SERIES**  
KOBELCO SCREW COMPRESSOR

Output	7.5~15kW Class
Discharge air volume (0.83MPa specification)	1.0~2.35 m <sup>3</sup> /min



### Durability and simplified maintenance

### Complete monitoring function

The water-removal function as standard equipment is displayed by the lamp. Simplified remote control is possible.



### New Drive Structure (SG)

### Direct Gear Drive Construction

The design, Direct Gear Drive Construction already used for bigger size of SG, is newly applied to compact type. More improved methods — Direct Gear Drive doesn't require adjustment of belt and Double Lip Seal enhances sealing capability to reduce maintenance time and effort.



**CM Series** Kobelco Compact Screw Compressors

Output	5.5kW Class
Discharge air volume (0.83MPa specification)	720 L/min



### Ease of installation

### Improved dust resistance

Intake air filter and the air-end have been enlarged. Resistance to dusty environments is provided by introducing a two-stage dust-removal process.



### Resistance to air-borne contaminants

Discharge air is subjected to a two-stage oil-separation process, thus reducing the load on the separation elements. Resistance to air-borne contaminants in the intake air has also been improved.

### Ease of operation (CM)

- The new oil separator's cartridge design and improved Poly-V belt structure makes replacement and maintenance a snap.
- The newly unit design reduces the parts count in the plumbing sections, simplifying maintenance.
- Models with dryer-equipped drain mechanisms feature forced discharge using a solenoid valve.



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## SPECIFICATIONS (Standard specifications)

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#### CM II

Item	Model	CM6UⅢ-5/6	
Frequency	Hz	50/60	
Discharge air volume	L/min	720	
Intake Pressure, Temperature	°C	Atmospheric pressure, 2~40	
Discharge Pressure (gauge pressure)	MPa	0.83	
Compressor motor	Nominal output	kW	5.5
	Voltage	V	380·415/200·220
	Specification		TEFC with star delta starter
Discharge pipe diameter	A	20	
Lubricant (oil) initial volume	L	3.6	
Dimensions (WxDxH)	mm	750×650×850	
Weight	kg	232	
Noise	dB(A)	56	

\*Discharge air volumes have been converted to compressor intake conditions at an atmospheric, 30°C, 75% relative humidity.  
\*Noise values are measured in an anechoic chamber at a height of 1 meter and a distance of 1.5 m from the front of the unit.  
\*Please consult our offices regarding guaranteed performance values.

#### Kobelion-SG Series

Item	Model	SG100AⅢ-7.5	SG155AⅢ-11
Frequency	Hz		50/60 [50]
Discharge air volume	m <sup>3</sup> /min	1.0	1.55
Intake conditions	Pressure	Atmospheric pressure (one bar)	
	Temperature	°C 2~40	
Discharge conditions	Pressure	MPa(g) 0.83	
	Temperature	°C 45°C or less (under conditions of ambient temperature of 30°C)	
Discharge pipe	A	20A (R3/4)	
Shaft input power	kW	7.8	12.0
	Output	7.5	11.0
Compressor motor	Voltage	V 200/200·220 [400/400·440] [380·415] *	
	Specification	4-pole TEFC, insulation class F	2-pole TEFC, insulation class F
	Starting system	Soft start	
Lubricant (oil) initial volume	L	6	7
Noise	dB (A)	54	55
Nominal dimensions (WxDxH)	mm	1,100×675×1,290	
Nominal weight	kg	326 [336] [336]	354 [364] [364]

\* 380V and 415V are only for SG100A / SG155A

Specifications