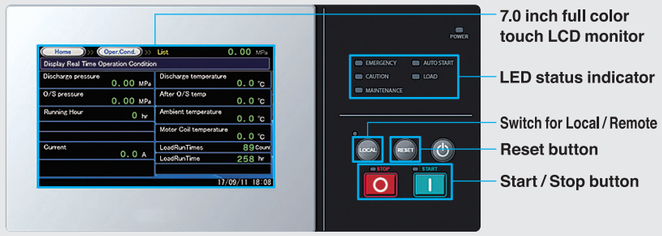
New Generation Smart Controller

NGSC-700 controller as standard



7.0 inch full color touch LCD monitor

LED status indicator

Switch for Local / Remote

Reset button

Start / Stop button

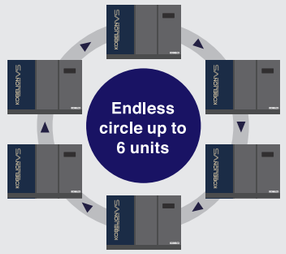
"NGSC-700 for VS+/AG+ series equips 7.0 inch full color touch operation monitor. Sophisticate LCD interface enables you to figure out following information at a glance."

- Operating condition
- Maintenance schedule
- Alarm / Interlock list
- Alarm / Trip history
- Compressor settings
- Flow diagram
- Daily, Weekly, Monthly record

etc.

Compressor Group Control

Up to 6 units of compressor can be control by inbuilt sequencing function without external control panel.
(Hard wire connections are needed)



■ Specifications

VS+series (Performance line) 【Inverter model / [A]:Air cooled [W]:Water cooled】

Model	Discharge pressure	Discharge air flow		Nominal output	Pipe connection	Fan motor	Lube oil quantity	Noise level	Dimension W×D×H	Weight
	MPa	m³/min	cfm	kW	A	kW×qty	L	dB (A)	mm	kg
VS110+A/W	0.40-1.05 [0.7]	24.9-19.0 [22.0]	879-671 [777]	110	80	1.8×2 (0.37×1)	80	69	2,600×1,600×1,910	3,370 (3,220)
VS132+A/W		29.5-22.0 [26.0]	1,042-777 [918]	132		3.0×2 (0.37×1)	85	70		3,590 (3,450)
VS160+A/W		35.0-26.2 [31.1]	1,236-925 [1,098]	160		3.0×2 (0.37×1)	95	71		3,730 (3,620)

Main motor : 4-pole, TEFC Induction motor, IE4, Class F, Inverter drive Electrical spec : 380/415V-50Hz
The maximum pressure for constant pressure control is up to 1.05MPa. ( ) for water cooled model.

AG+series (Performance line) 【Fixed speed model / [A]:Air cooled [W]:Water cooled】

Model	Discharge pressure	Discharge air flow		Nominal output	Pipe connection	Fan motor	Lube oil quantity	Noise level	Dimension W×D×H	Weight
	MPa	m³/min	cfm	kW	A	kW×qty	L	dB (A)	mm	kg
AG110+A/W	0.75	22.0	777	110	80	1.8×2 (0.37×1)	80	69	2,600×1,600×1,910	3,260 (3,190)
	0.85	20.7	731							
	1.05	19.0	671							
AG132+A/W	0.75	26.0	918	132		3.0×2 (0.37×1)	85	70		3,430 (3,340)
	0.85	24.5	865							
	1.05	22.2	784							
AG160+A/W	0.75	31.1	1,098	160		3.0×2 (0.37×1)	95	71		3,490 (3,450)
	0.85	29.2	1,031							
	1.05	26.5	936							

Main motor : 4-pole, TEFC Induction motor, IE4, Class F, Star-delta drive Electrical spec : 380/415V-50Hz
( ) for water cooled model.

KOBELCO COMPRESSORS CORPORATION

KOBELION series (110-160kW) 2309002S

KOBELCO

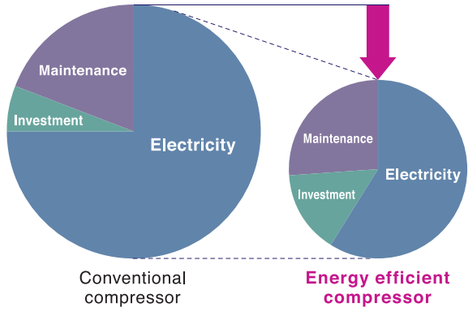
KOBELION

Performance line Oil injection screw compressor

Selecting compressor based on Life Cycle Cost.

Correlation of energy efficient compressor with life cycle cost and CO_2 emission.

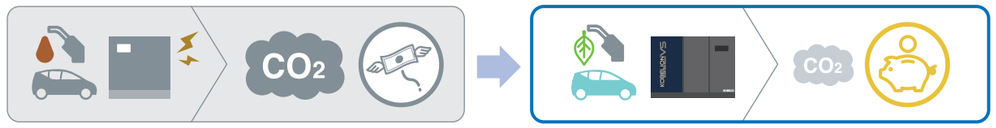
- Considering life cycle cost of compressor, approx. 75% of total cost comes from electricity.
- Selecting energy efficient compressor significantly contribute to the reduction of total operation cost of factory. Same as selecting car with better gas mileage, selecting compressor with better specific energy consumption.
- Specific energy consumption is calculated based on how much electricity consumed to generate 1m³/min of compressed air.
- Selecting energy efficient compressor also contributes to reduction of CO_2 emission.
- Reduction of 1kWh contributes to reduction of **3.2tons of CO_2 emission**, and also contributes to save **US$900 of electricity cost** per annum.



1kWh = 3.2 ton CO_2 emission

1kWh = $900 electricity cost

(Estimate based on 6,000 hours per year, US$0.15/kW-h, 531.15g$CO_2$/kWh)



Improvement in Specific Energy

By incorporating a newly developed air-end and ultra-high-efficiency motor, combined with a sleek package design, New KOBELION series have achieved improvement in specific energy efficiency. That realizes significant saving in electricity and reduction of CO_2 emissions, promoting a greener and more sustainable future.

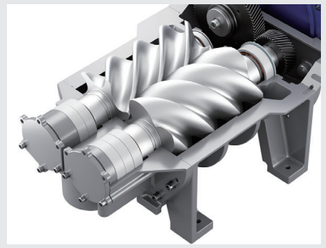
Reduced up to 15%
In specific energy consumption

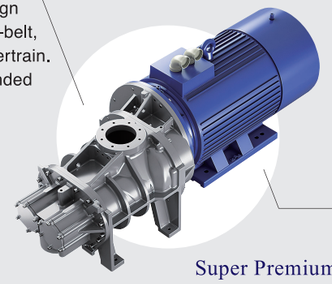
KOBELION series

Embrace the Future with Revolutionary Energy Efficiency.

Powered by Cutting-Edge High-Efficiency Air-End

New generation air-end, delivering significant efficiency improvement compared to previous model. Direct-Gear-Drive design eliminates maintenance of coupling and v-belt, ensuring seamless integration of the powertrain. Experience enhanced reliability and extended maintenance intervals.





Super premium IE4 motor as standard

Super Premium
IE4

Equipped with industry-leading IE4 motors across all models, achieving top-class efficiency. The utilization of dimensionally stabilized bearings enhances reliability under high-load conditions.

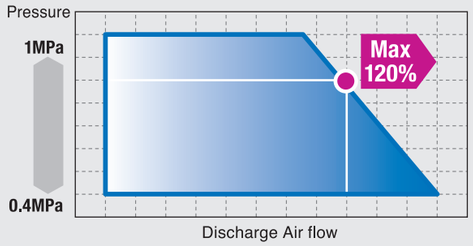
Exquisite Package Design

The adoption of spacious air piping and Victaulic joints reduces vibration and contributes to low pressure losses in the discharge air lines. The oil separation performance maintains its industry-leading standard of 1.6ppm and less.

Industrial leading
1.6ppm
residual oil

Wide range control [VS⁺]

KOBELCO's wide-range control, a pioneer in low-pressure increased airflow control for inverter machines, is also applied to large oil-injected models. A single model provides optimal variable speed control at all pressure points to optimize the user's energy-saving benefits.



Enhanced Environmental Durability

Standard equipped dust filter elevates the environmental performance against dust and firth. Optimized cooling system enables to run even up to 50°C ambient temperature.

Industrial leading
50℃
Durability