

HISCREW **NEXT**series

132/160kW (Air cooled/Water cooled)

Single-stage **M**type, **S**type



Energy-Saving

- Newly developed Air-End with optimised rotor profile
- Adoption of inverter-controlled cooling fan

Simple Operation

- Easy to change pressure setting with One-Touch
- IPI-restart function as standard equipment

Easy Maintenance

- Overhaul Cycle – 6 years
- Adoption of easy-to-change cartridge type suction filter
- Possible of oil change every 2 years

Energy-Saving

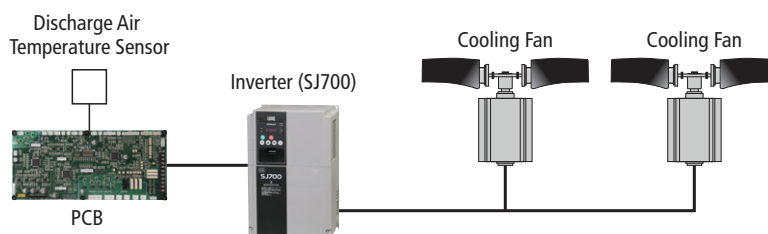
● Newly Developed Air End

Optimized design of new rotor profile improves the performance of Energy-Saving by decreasing the internal mechanical loss.



● Adoption of Inverter-Controlled Cooling Fan (Air Cooled Model)

2 cooling fans under VSD control realize Energy-Saving when load is low. Low noise level is also possible.



Option

● High-Grade Option (*Mtype*)

- Schedule Operation, Alternate Operation are available.
- Confirming the operation conditions and various settings via LCD monitor display is possible.



Standard Specifications

Mtype, *Stype*

Item · Unit	Model	<i>Mtype</i>	OSP-132M5AN	OSP-160M5AN	OSP-132M5WN	OSP-160M5WN
		<i>Stype</i>	OSP-132S5AN	OSP-160S5AN	OSP-132S5WN	OSP-160S5WN
Cooling Method	—	Air Cooled			Water Cooled	
Motor Nominal Output	kW		132	160	132	160
Rated	Discharge Pressure	MPa	0.75 [0.85]			
	Discharge Capacity	m ³ /min	25.5 [23.3]	29.5 [27.2]	25.5 [23.3]	29.5 [27.2]
Suction Pressure/Temperature	—	Atmospheric Pressure / 0 – 40°C				
Temperature of Discharge Air	°C	Ambient Temperature + 15 or below			Temperature of Cooling Water + 13 or below	
Starter Type	—	Star – Delta (3 Contactor)				
Lubricating Oil	—	NEW HISCREW OIL 2000				
Lubricating Oil Filling Amount	L		105	115	65	70
Output of Cooling Fan	kW		7.4 (3.7×2) with Inverter Control		0.2	
Cooling Water	—		—		Water Temperature 32°C or below / Volume of 180L/min	
Discharge Air Pipe Diameter	—	3B (JIS 10K Flange)				
External Dimension (W×D×H)	mm	2,700 × 1,800 × 1,890				
Weight	kg		3,450	3,600	3,300	3,420
Noise Level	dB [A]		77	79	72	

- Note:
- Capacity is the converted value at its inlet condition. Capacity is measured at following pressures.
0.75MPa models : 0.7MPa, 0.85MPa models: 0.8MPa
For guaranteed values, contact your nearest dealer or HITACHI local representative offices.
 - Pressure is indicated as the gauge pressure.
 - Motor output values are indicated as motor nominal outputs.
 - Temperature of discharge air may vary from different environments.
 - The capacity control of this series is load/unload type, make sure to install an air receiver tank of enough volume.
 - Earth leakage circuit breaker is NOT attached. Prepare it in advance.
 - Specifications and outside view are subject to change without notice.
 - Noise level is measured value at 1.5m in front and 1m height in an anechoic room, under full load operation. It may vary in different operation conditions or environments.

Specifications in this catalog are subject to change with or without notice, as Hitachi continues to develop the latest technologies and products for its customers.

Hitachi Industrial Equipment Systems Co., Ltd.

For further information, please contact your nearest sales representative.