

# HISCREW **NEXT**series

100kW (Air cooled/Water cooled)

Single-stage **VPLUS M type S type**



## **New Developed Air-End**

- Air Capacity is increased by 8% (for M/S type), or 3% (for Vplus).\*

## **Inverter Controlled Cooling Fan**

- Enlarged Energy-Saving when load is low. (Air cooled model ONLY)

## **Low Pressure Drop Filter**

- Filtration area is increased by 85% on intake filter, also is increased by 12% on Oil Separator.\*

**PQ WIDEMODE** (for Vplus), **ECOMODE** (for M/S type) as **Standard**

**Overhaul Cycle of 6 years** (or 36,000hr whichever comes first)

\* compared with 2000series model (0.7MPa SPEC)

## New Developed Air-End

Optimized design of new rotor profile improves the air capacity by up to 8%, compared with 2000series model.



**2000 series**  
**M/S type**  
(0.69MPa)

**NEXT series**  
**M/S type**  
(0.7MPa)

18.1

8%up

19.6

(m³/min)

## Long Maintenance Cycle

### ● Oil Change Every 2 years

New HISCREW OIL 2000 is designed for air compressor. High reliability makes oil change every 2 years (or 12,000hr whichever comes first) possible.



### ● Overhaul Cycle of 6 years (or 36,000hr whichever comes first)

## Standard Specifications

Model Item · Unit			Vplus		Mtype	Stype	Vplus		Mtype	Stype		
			OSP-100VALN		OSP-100M5ALN OSP-100M6ALN	OSP-100S5ALN OSP-100S6ALN	OSP-100VWLN		OSP-100M5WLN OSP-100M6WLN	OSP-100S5WLN OSP-100S6WLN		
Cooling Method			—		Air Cooled				Water Cooled			
Motor Nominal Output			kW		100							
Rated	Discharge Pressure	MPa	0.7		0.7 [0.85]			0.7		0.7 [0.85]		
	Discharge Capacity	m³/min	18.6		19.6 [17.6]			18.6		19.6 [17.6]		
PQ WIDEMODE	Discharge Pressure	MPa	0.6	0.85	—			0.6	0.85	—		
	Discharge Capacity	m³/min	19.6	16.8	—			19.6	16.8	—		
PQ WIDEMODE Range		MPa	0.6 – 0.85		—			0.6 – 0.85		—		
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			—		Inverter		Star – Delta		Inverter		Star – Delta	
Lubricating Oil			—		NEW HISCREW OIL 2000							
Lubricating Oil Filling Amount			L		50 (Not Filled)				37 (Not Filled)			
Output of Cooling Fan			kW		3.0 (1.5×2) with Inverter Control				0.15 (0.05×3)			
Cooling Water			—		—				Water Temperature 32°C or below / Volume of 150L / min			
Discharge Air Pipe Diameter			B		2-1 / 2 (JIS 10K Flange)							
External Dimension (W×D×H)			mm		2,550×1,500×1,800							
Weight			kg		2,900		2,800		2,800		2,700	
Noise Level			dB[A]		72				69			

Note:

- Capacity is measured according to ISO 1217, Third Edition, Annex C. For guaranteed values, contact your nearest dealer or HITACHI local representative offices.
- Lubricating oil is NOT filled during shipment from factory. Prepare it in advance.
- Pressure is indicated as the gauge pressure.
- Motor output values are indicated as motor nominal outputs.
- Noise level is 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. For Vplus, 3 dB[A] is increased when PQ WIDEMODE is ON.
- Temperature of discharge air may vary from different environments.
- It is necessary to install a properly sized air receiver tank.
- Earth leakage circuit breaker is NOT attached. Prepare it in advance.
- Install the HISCREW-NEXT compressor indoors and avoid ammable and corrosive environment, moisture and dust.
- Specifications and outside view are subject to change without notice.

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.



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