

OIL-FREE SCREW COMPRESSOR

NEXTseries/NEXTIIseries **TWO STAGE (90-240kW)**



■ ISO 8573-1 :2010

CLASS 0 TÜV certification

■ 90/110kW (Fixed Speed / V-type, Air-cooled / Water-cooled)

Model		DSP-90A5N2		DSP-110A5N2		DSP-110VA5N2		DSP-90W5N2		DSP-110W5N2		DSP-110VW5N2	
Capacity control system	—	Fixed speed type				V-type		Fixed speed type				V-type	
Cooling method	—	Air-cooled						Water-cooled					
Rated discharge pressure	MPa	0.75	0.86	0.75	0.86	0.75	0.86	0.75	0.86	0.75	0.86	0.75	0.86
Discharge air capacity	m³/min	16.4	13.9	20.5	17.6	20.5	17.6	16.8	14.1	20.8	18.0	20.8	18.0
Nominal Output	kW	90		110				90		110			
Voltage(50Hz)	V	380·400·415											
Motor type	—	2-Pole TEFC Flange Motor											
Intake air pressure / temperature	—	Atmospheric Pressure / 0 to 45°C											
Discharge air temperature	°C	Ambient temperature + 15 or below						Cooling water temperature + 13 or below					
Discharge air pipe diameter	—	2B (Flange)											
Cooling water flow rate	L/min	—						160		180			
Cooling water inlet temperature	°C							35 or below					
Cooling water pipe diameter	—							Rc1-1/2					
Starting method	—	Star-Delta (3 contact)				Inverter		Star-Delta (3 contact)				Inverter	
Driving method	—	Direct Connection + Gear Driving											
Lubricating oil quantity	L	26 (Not filled)						16 (Not filled)					
Cooling fan motor output	kW	1.5×2						0.05×3				0.2×2	
Weight	kg	2,130		2,350		2,500		1,980		2,200		2,350	
Dimension (W X D X H)	mm	2,150×1,520×1,970						2,150×1,520×1,820					

■ 132 - 240kW (Fixed speed / V-type, Water-cooled)

Item-Unit	Model	DSP-132W5N		DSP-145W5N		DSP-160W5N		DSP-160VW5N		DSP-200W5N		DSP-240W5N		DSP-240VW5N	
Capacity control system	—	Fixed speed type						V-type		Fixed speed type				V-type	
Rated discharge pressure	MPa	0.75	0.86	0.75	0.86	0.75	0.86	0.75	0.86	0.75	0.86	0.75	0.86	0.75	0.86
Discharge air capacity	m³/min	24.0	21.8	26.5	24.0	28.5	26.5	28.5	26.5	37.0	33.5	40.5	36.5	40.5	36.5
Nominal Output	kW	132		145		160				200		240			
Voltage(50Hz)	V	380·415													
Motor type	—	4-Pole TEFC Flange Motor													
Intake air pressure / temperature	—	Atmospheric Pressure / 0 to 40°C													
Discharge air temperature	°C	Cooling Water Temperature + 13 or below													
Discharge air pipe diameter	—	2-1/2B (Flange)								3B (Flange)					
Cooling water flow rate	L/min	200		210		240		240		300		330			
Cooling water inlet temperature	°C	35 or below													
Cooling water pipe diameter	—	Rp2													
Starting method	—	Star-Delta (3 contact)						Inverter		Star-Delta (3 contact)				Inverter	
Driving method	—	Direct Connection + Gear Driving													
Lubricating oil quantity	L	40 (Not filled)								50 (Not filled)					
Cooling fan motor output	kW	0.4													
Weight	kg	3,900						4,100		4,950				5,250	
Dimension (W X D X H)	mm	2,600×1,600×1,940								2,900×1,800×1,940					

NOTE:

1. Discharge air capacity is the value obtained by converting discharge air capacity at the time of discharge pressure into the suction state.
2. Earth leakage breaker is not built in the compressor. Prepare by customer.
3. Do not use the respiratory equipment to suck the compressed air directly.
4. Discharge pressure is gauge pressure.
5. For the quality of the cooling water, contact your nearest dealer or Hitachi sales representative.
6. Install the air compressor indoors and avoid flammable and corrosive environment, moisture and dust.
7. Appearance and specifications are subject to change without notice.

 **Hitachi Global Air Power (Changshu) Co., Ltd.**

For inquiries, please visit our website.

<https://www.hitachi-ies.co.jp/english/inquiry/index.htm>



or further information,
please contact your nearest sales representative.

Specifications including appearance subject to change without notice.
Models vary by region. Contact your Hitachi sales representative for more details.