

OIL-FREE SCREW COMPRESSOR

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



■ ISO 8573-1 :2010
CLASS 0 TÜV certification

■ 90/110kW (Fixed speed/ Variable speed; Air-cooled / Water-cooled)

Item・Unit	Model	DSP-90A5N2			DSP-110A5N2			DSP-90VA5N2			DSP-110VA5N2			DSP-90W5N2			DSP-110W5N2			DSP-90VW5N2			DSP-110VW5N2		
Capacity control system	-	Fixed speed						Variable speed						Fixed speed						Variable speed					
Cooling method	-	Air-cooled												Water-cooled											
Rated discharge pressure	MPa	0.75	0.86	1.0	0.75	0.86	1.0	0.75	0.86	1.0	0.75	0.86	1.0	0.75	0.86	1.0	0.75	0.86	1.0	0.75	0.86	1.0			
Discharge air capacity	m³/min	16.4	13.9	13.4	20.5	17.6	17.0	16.4	14.1	13.5	20.5	17.6	17.0	16.8	14.1	13.5	20.8	18.0	17.2	16.8	14.1	13.5	20.8	18.0	17.2
Nominal Output	kW	90			110			90			110			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		160		180					
Cooling water inlet temperature	°C													35 or below											
Cooling water pipe diameter	-													Rc1-1/2											
Starting method	-	Star-Delta (3 contactors)						Inverter						Star-Delta (3 contactors)						Inverter					
Driving method	-	Direct Connection + Gear Driving																							
Lubricating oil quantity	L	26 (Not filled)												16 (Not filled)											
Cooling fan motor output	kW	1.5x2												0.05x3						0.2x2					
Weight	kg	2,130			2,350			2,280			2,500			1,980			2,200			2,130			2,350		
Dimension (W x D x H)	mm	2,150x1,520x1,970												2,150x1,520x1,820											

■ 132 - 240kW (Fixed speed/ Variable speed; Water-cooled)

Item・Unit		Model	DSP-132W5N2			DSP-145W5N2			DSP-160W5N2			DSP-160VW5N2			DSP-200W5N			DSP-240W5N			DSP-240VW5N		
Capacity control system		-	Fixed speed									Variable speed			Fixed speed						Variable speed		
Rated discharge pressure		MPa	0.75	0.86	1.0	0.75	0.86	1.0	0.75	0.86	1.0	0.75	0.86	1.0	0.75	0.86	1.0	0.75	0.86	1.0	0.75	0.86	1.0
Discharge air capacity		m³/min	24.0	21.8	19.6	26.5	24.0	20.6	28.5	26.5	23.2	28.5	26.5	23.2	37.0	33.5	30.0	40.5	36.5	32.5	40.5	36.5	32.5
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 45°C												Atmospheric Pressure /0 to 40°C								
Discharge air temperature		°C	Cooling water temperature + 13 or below																				
Discharge air pipe diameter		-	2.5B (Flange)												3B (Flange)								
Cooling water flow rate		L/min	200			210			240						300			330					
Cooling water inlet temperature		°C	35 or below																				
Cooling water pipe diameter		-	Rp2																				
Starting method		-	Star-Delta (3 contactors)									Inverter			Star-Delta (3 contactors)						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	2,600x1,600x1,940												2,900x1,800x1,940								

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 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.

MSM-E005C 2025.08