

Standard Specification (55–75kW)

VPLUS (Air-Cooled/Water-Cooled)

Item • Unit		Model	OSP-55VA(R)N2		OSP-75VA(R)N2		OSP-55VW(R)N2		OSP-75VW(R)N2	
Cooling Method		–	Air-Cooled				Water-Cooled			
Nominal Output		kW	55		75		55		75	
		HP	75		100		75		100	
Rated	Discharge Pressure	MPa	0.7							
		PSI	102							
	Discharge Capacity	m ³ /min	10.1		13.3		10.1		13.3	
		CFM	357		470		357		470	
PQ WIDE MODE	Discharge Pressure	MPa	0.6	0.85	0.6	0.85	0.6	0.85	0.6	0.85
		PSI	87	123	87	123	87	123	87	123
	Discharge Capacity	m ³ /min	10.6	9.1	14.0	12.0	10.6	9.1	14.0	12.0
		CFM	374	321	494	424	374	321	494	424
Intake Air Pressure/Temperature		–	Atmospheric Pressure / 0 –45 (2–45)							
Discharge Temperature		–	Ambient Temperature +15 or below				Water Temperature + 13 or lower			
Driving Method		–	DCBL Direct Drive							
Starting Type		–	Soft Start							
Lubricating Oil		–	NEW HISCREW OIL NEXT							
Lubricating Oil Quantity		L	28 (Not filled)		39 (Not filled)		17 (Not filled)		22 (Not filled)	
[Dryer]	P.D.P	–	[10 (Under Pressure)]							
	Refrigerator Nominal Output	kW	[2.2]		[3.0]		[2.2]		[3.0]	
	Refrigerant	–	[R410A]							
Cooling Water	Temperature	–	35 or below							
	Quantity	L/min	–		–		100		125	
	Discharge Pipe Diameter	B	–		–		Rc 2		Rc 2	
Discharge Pipe Diameter		B	Rc 2							
Dimension (WxDxH)		mm	2,000×1,200×1,800							
Weight		kg	1,230 (1,350)		1,405 (1,555)		1,070 (1,190)		1,240 (1,390)	
Sound Level		dB [A]	64		66		63		65	

Mtype (Air-Cooled/Water-Cooled)

Item • Unit		Model	OSP-55M5A(R)N2 OSP-55M6A(R)N2		OSP-75M5A(R)N2 OSP-75M6A(R)N2		OSP-55M5W(R)N2 OSP-55M6W(R)N2		OSP-75M5W(R)N2 OSP-75M6W(R)N2	
Cooling Method		–	Air-Cooled				Water-Cooled			
Nominal Output		kW	55		75		55		75	
		HP	75		100		75		100	
Rated	Discharge Pressure	MPa	0.7<0.85>[1.0]							
		PSI	102<123>[145]							
	Discharge Capacity	m ³ /min	10.0<9.0>[8.3]		13.2<11.9>[10.9]		10.0<9.0>[8.3]		13.2<11.9>[10.9]	
		CFM	353<318>[293]		466<420>[385]		353<318>[293]		466<420>[385]	
Intake Air Pressure/Temperature		–	Atmospheric Pressure / 0 –45 (2–45)							
Discharge Temperature		–	Ambient Temperature +15 or below				Water Temperature +13 or lower			
Driving Method		–	2-Pole TEFC Motor with Gear Driving							
Starting Type		–	Star-Delta							
Lubricating Oil		–	NEW HISCREW OIL NEXT							
Lubricating Oil Quantity		L	29 (Not filled)		40 (Not filled)		17 (Not filled)		22 (Not filled)	
[Dryer]	P.D.P	–	[10 (Under Pressure)]							
	Refrigerator Nominal Output	kW	[2.2]		[3.0]		[2.2]		[3.0]	
	Refrigerant	–	[R410A]							
Cooling Water	Temperature	–	35 or below							
	Quantity	L/min	–		–		100		125	
	Discharge Pipe Diameter	B	–		–		Rc 2		Rc 2	
Discharge Pipe Diameter		B	Rc 2							
Dimension (WxDxH)		mm	2,000×1,200×1,800							
Weight		kg	1,500 (1,620)		1,755 (1,905)		1,340 (1,460)		1,590 (1,740)	
Sound Level		dB [A]	65		67		64		66	

Notes:

- Capacity is measured according to ISO 1217, Third Edition, Annex C.
Capacity after the built-in dryer is decreased by 3%.
- Pressures are indicated as the gauge pressure.
- Sound Level is the converted value under the condition of 1.5m in front and 1m height in an anechoic room. It may vary in different operating conditions and/or different environments with echo of actual field installations.
Sound level may be increased by 3dB at PQ WIDEMODE ON.
- P.D.P is measured at 30 degree C of the ambient temperature, 45 degree C of the dryer inlet temperature and rated discharge pressure.
[55/75kW] P.D.P may be 13 degree C at PQ WIDEMODE ON and 0.6MPa of discharge pressure.
P.D.P may be worth at the lower discharge pressure than above conditions at PQ WIDEMODE ON .
- Contact the supplier for the dryer and filters selection at PQ wide mode ON .
- The transformer installation space is required for the built-in dryer for the model other than 200V/50Hz, 200-220V/60Hz.
- Do NOT use any oil other than "NEW HISCREW OIL NEXT" .
- Install the proper size air receiver tank and the earth leakage circuit breaker which are out of scope of supply from Hitachi.
- Install the air compressor indoors and avoid flammable and corrosive environment, moisture and dust.

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