

# 50 / 60 Hz Rotary Vane Air Compressors

## Open - Fixed Speed



Motor Power (kW)	Model	Voltage/Phase		Starter Type	Configuration	Receiver Capacity (litres)	Maximum FAD m <sup>3</sup> /min (cfm)		Dimensions (mm)			Noise dB(A)	Air Quality (mg/m <sup>3</sup> )
		50Hz	60Hz				10 bar	Depth	Width	Height			
1.1	HV01	240V 1Ph 400V 3Ph	-	DOL	Tripod Mounted	-	0.12 (4.3)		270	700	470	62	<3
1.5	HV01	-	230V 1ph 230V 3ph 460V 3ph				0.14 (4.9)					65	
2.2	HV02	240V 1Ph 400V 3Ph	-				0.23 (8.0)					69	
1.1	HV01	240V 1Ph 400V 3Ph	-		Receiver Mounted	75	0.12 (4.3)		300	1120	730	62	
1.5	HV01	-	230V 1ph 230V 3ph 460V 3ph				0.14 (4.9)					65	
2.2	HV02	240V 1Ph 400V 3Ph	-				0.23 (8.0)					69	
4.0	HV04RM	400V 3Ph	-				200					0.57 (20.1)	
5.5	HR05PR	400V 3Ph	-	SD	Receiver Mounted	200	0.71 (25.1)		570	1332	1068	73	<3
7.5	HR07PR						1.00 (35.0)						

## Regeneration 50 Hz Enclosed - Fixed and Regulated Speed



Motor Power (kW)	Model	Voltage/Phase	Starter Type	Maximum FAD m <sup>3</sup> /min (cfm)		Dimensions (mm)			Noise dB(A)	Air Quality (mg/m <sup>3</sup> )
				7 bar	10 bar	Depth	Width	Height		
4.0	HR04E	400V 3Ph	SD	0.68 (24.0)	0.57 (20.1)	695	630	1078	66	<3
5.5	HR05E			0.91 (32.1)	0.71 (25.1)					
7.5	HR07E			1.25 (44.1)	1.00 (35.0)					
7.5	HR07E RS	400V 3Ph	V	-	0.97 (34.3)	695	630	1078	70	<3

## Enclosed - Fixed Speed



Motor Power (kW)	Model	50Hz		60Hz		Maximum FAD m <sup>3</sup> /min (cfm)				Dimensions (mm)			Noise dB(A)	Air Quality (mg/m <sup>3</sup> )
		Voltage/Phase	Starter Type	Voltage/Phase	Starter Type	50Hz		60Hz		Depth	Width	Height		
						8 bar	10 bar	8 bar	10 bar					
11.0	HV11	400V 3Ph	SD	460V 3Ph 575V 3Ph	DOL	1.63 (57.6)	1.41 (49.8)	1.48 (52.4)	1.29 (45.6)	850	700	1550	69	<3
15.0	HV15					2.21 (78.1)	2.01 (71.0)	1.90 (67.1)	1.65 (58.4)				70	
18.0	HV18					2.88 (101.7)	2.55 (90.1)	2.80 (99.0)	2.44 (86.2)				71	
22.0	HV22					3.60 (127.1)	2.96 (104.5)	3.25 (114.6)	2.83 (100.0)				73	
30.0	HV30					5.00 (176.6)	4.31 (152.2)	4.43 (156.5)	3.86 (136.2)	1130	900	1640		
37.0	HV37					5.95 (210.1)	5.07 (179.0)	5.48 (193.7)	4.77 (168.5)					
45.0	HV45					7.33 (258.9)	6.54 (231.0)	6.54 (231.0)	5.73 (202.3)					

Note: The 50 Hz / 400 Volts / 3 Phase Regulated Speed (RS) models also cover 60 Hz / 460 Volts / 3 Phase

## Enclosed - Regulated Speed (RS)



Motor Power (kW)	Model	Voltage/Phase		Starter Type	Maximum FAD m <sup>3</sup> /min (cfm)			Dimensions (mm)			Noise dB(A)	Air Quality (mg/m <sup>3</sup> )
		50Hz	60Hz		6 bar	8 bar	10 bar	Depth	Width	Height		
11.0	HV11RS	400V 3Ph	460V 3Ph	V	1.74 (61.6)	1.56 (55.0)	1.37 (48.5)	850	700	1550	69	<3
15.0	HV15RS				2.29(80.8)	2.03 (71.6)	1.72 (60.7)				70	
18.0	HV18RS				2.96 (104.6)	2.75 (96.9)	2.51 (88.5)				71	
22.0	HV22RS				3.53 (124.5)	3.22 (113.8)	3.07 (108.3)				73	
30.0	HV30RS				5.38 (189.9)	4.87 (171.9)	4.51 (159.3)	1130	900	1640		
37.0	HV37RS				6.17 (217.8)	5.72 (202.1)	5.27 (186.1)					
45.0	HV45RS				7.47 (263.7)	6.90 (243.5)	6.51 (230.0)					

## Hypac 50 Hz Enclosed



Motor Power (kW)	Model	Configuration	Voltage/Phase	Starter Type	Receiver Capacity (litres)	Package Dimensions (mm)			Pressure Dew Point (°C)	Air Quality (mg/m <sup>3</sup> )				
						Depth	Width	Height						
4.0	HR04	HRER	400V 3Ph	SD / V	260	695	1220	1692	8	<3				
5.5	HR05													
7.5	HR07 / HR07RS													
11	HV11 / HV11RS	HVER / RS			400V 3Ph	SD / V	272	1187			1355	1550	8	<2
15	HV15 / HV15RS													
18	HV18 / HV18RS													
22	HV22 / HV22RS													
4.0	HR04	HRED	400V 3Ph	SD / V			-	984	630	1078	3	<1		
5.5	HR05													
7.5	HR07 / HR07RS	HRED / RS						Integrated Refrigerant Dryer						
11	HV11 / HV11RS	HVED / RS			825	1215			1550					
15	HV15 / HV15RS													
18	HV18 / HV18RS													
22	HV22 / HV22RS													

## Air Solution 50 Hz - The Complete Package



Motor Power (kW)	Model	Configuration	Voltage/Phase	Starter Type	Receiver Capacity (litres)	Package Dimensions (mm)			Pressure Dew Point (°C)	Air Quality (mg/m <sup>3</sup> )			
						Depth	Width	Height					
1.1	HVO1RM	Receiver Mounted + Membrane Dryer	240V 1ph or 400V 3Ph	DOL	75	300	1120	730	30*	<1			
2.2	HVO2RM												
4.0	HVO4RM												
4.0	HR04	AERD	400V 3Ph	SD / V	260	984	1220	1692	3	<1			
5.5	HR05												
7.5	HR07 / HR07RS	AERD / RS			Integrated Refrigerant Dryer & Receiver	272	1187	1355			1550	3	<1
11	HV11 / HV11RS												
15	HV15 / HV15RS												
18	HV18 / HV18RS												
22	HV22 / HV22RS												

Note: The only 60 Hz model available is the HVO1RM

### Starter Types:

DOL Direct On Line

SD Star Delta

V Regulated Speed (RS)

Free Air Delivered (FAD) according to BS ISO1217:2009-Annex B, C and E

\*Both fixed speed and regulated speed compressors operate between 0°C and 45°C ambient.

Hydrovane compressors are designed for indoor installation under cover only.

Contact your Hydrovane Distributor for applications outside these conditions.