

Technical Data

Product: RUVAC WHU 4400
Part No.: 155158V

Inlet connection:	DN 250 ISO-K	
Outlet connection:	DN 160 ISO-K	
Nominal pumping speed		
at 50 Hz:	4.400 m ³ /h	2.592 cfm
at 60 Hz:	5.280 m ³ /h	3.280 cfm
at 80 Hz:	7.040 m ³ /h	4.147 cfm
Pumping speed with backing pump DRYVAC DV 650:		
at 50 Hz:	3.300 m ³ /h	1.944 cfm
at 60 Hz:	3.900 m ³ /h	2.297 cfm
at 80 Hz:	4.800 m ³ /h	2.827 cfm
Pumping speed with backing pump DRYVAC DV 650 + RUVAC WH 2500		
at 50 Hz:	3.700 m ³ /h	2.179 cfm
at 60 Hz:	4.400 m ³ /h	2.592 cfm
at 80 Hz:	5.800 m ³ /h	3.416 cfm
Ultimate total pressure:	upon request	
Max. permissible pressure difference		
at 50 Hz:	30.0 - 45.0 mbar	22.5 - 33.8 Torr
at 60 Hz:	20.0 - 30.0 mbar	15.0 - 22.5 Torr
at 80 Hz:	8.0 - 12.0 mbar	6.0 - 9.0 Torr
Leak rate:	≤ 1.0 x 10 ⁻⁵ mbar l/s	
Operating fluid:	LEYBONOL LVO 210	
Operating fluid capacity bearing chamber:	4.75 l	5.0 qt
Noise level:	< 63 dB(A)	
Cooling water consumption:	60 - 180 l/h	
Permissible cooling water pressure:	2 - 6 bar	
Permissible cooling water temperature:	+5 to +35°C	+41 to +95°F
Cooling water connections:	G 1/4", inside thread	

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Mains connection:	3-ph, 400 V, 50 Hz 3-ph, 460 V, 60 Hz	
Motor rating:	18.5 kW	24.8 HP
Idle mode power consumption		
at 50 Hz:	1.2 kW	1.6 HP
at 60 Hz:	1.4 kW	1.9 HP
at 80 Hz:	2.0 kW	2.7 HP
Nominal rotation speed		
at 50 Hz:	3.000 min ⁻¹	3.000 rpm
at 60 Hz:	3.600 min ⁻¹	3.600 rpm
at 80 Hz:	4.800 min ⁻¹	4.800 rpm
Min. permissible rotation speed:	1.200 min ⁻¹	1.200 rpm
Max. permissible rotation speed:	4.800 min ⁻¹	4.800 rpm
Motor protection rating:	IP 55	
Admissible ambient temperature:	+5 to +40°C	+41 to +104°F
Dimensions:	see dimension sheet	
Weight:	≈ 620 kg	≈ 1.369 lbs

Technical data are subject to change