

Technical Data

Product: RUVAC WH 2500 - MS - Operation with int. frequency converter
 Part No.: 155253V

Inlet connection:	DN 250 ISO-K	
Outlet connection:	DN 100 ISO-K	
Nominal pumping speed		
at 50 Hz:	2.500 m ³ /h	1.473 cfm
at 60 Hz:	3.000 m ³ /h	1.767 cfm
at 80 Hz:	4.000 m ³ /h	2.356 cfm
at 100 Hz:	5.000 m ³ /h	2.945 cfm
Pumping speed with backing pump		
DRYVAC DV 650:		
at 50 Hz:	2.200 m ³ /h	1.296 cfm
at 60 Hz:	2.500 m ³ /h	1.473 cfm
at 80 Hz:	3.200 m ³ /h	1.885 cfm
at 100 Hz:	3.900 m ³ /h	2.297 cfm
Ultimate total pressure:	upon request	
Max. permissible pressure difference		
at 50 Hz:	50.0 - 75.0 mbar	37.5 - 56.3 Torr
at 60 Hz:	40.0 - 60.0 mbar	30.0 - 45.0 Torr
at 80 Hz:	30.0 - 40.0 mbar	22.5 - 30.0 Torr
at 100 Hz:	20.0 mbar	15.0 Torr
Leak rate:	≤ 1.0 x 10 ⁻⁵ mbar l/s	
Operating fluid:	LEYBONOL LVO 210	
Operating fluid capacity bearing chamber:	1.20 l	1,27 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, 340-530 V, 50/60 Hz	
Operation with int. frequency converter		
Motor rating: (100 Hz)	12,5 kW	16,8 HP
Idle mode power consumption		
at 50 Hz:	0.9 kW	1.2 HP
at 60 Hz:	1.0 kW	1.3 HP
at 80 Hz:	1.3 kW	1.7 HP
at 100 Hz:	1.5 kW	2.0 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:	4.200 min ⁻¹	4.200 rpm
at 100 Hz:	6.000 min ⁻¹	6.000 rpm
Min. permissible rotation speed:	1.200 min ⁻¹	1.200 rpm
Max. permissible rotation speed:	6.000 min ⁻¹	6.000 rpm
Motor protection rating:	IP 54	
Admissible ambient temperature:	+5 to +50°C	+41 to +122°F
Dimensions:	see dimension sheet	
Weight:	≈ 430 kg	≈ 946 lbs

Technical data are subject to change