

## Technical Data

Product: RUVAC WH 700 - Operation with ext. frequency converter  
 Part No.: 155204V

Inlet connection:	DN 100 ISO-K	
Outlet connection:	DN 63 ISO-K	
Nominal pumping speed		
at 40 Hz:	570 m <sup>3</sup> /h	336 cfm
at 50 Hz:	710 m <sup>3</sup> /h	418 cfm
at 60 Hz:	860 m <sup>3</sup> /h	507 cfm
at 80 Hz:	1.150 m <sup>3</sup> /h	677 cfm
at 120 Hz:	1.730 m <sup>3</sup> /h	1.019 cfm
Pumping speed with backing pump SOGEVAC SV 300 B		
at 50 Hz:	620 m <sup>3</sup> /h	365 cfm
at 60 Hz:	740 m <sup>3</sup> /h	436 cfm
at 80 Hz:	950 m <sup>3</sup> /h	560 cfm
at 120 Hz:	1.310 m <sup>3</sup> /h	772 cfm
Ultimate total pressure:	upon request	
Max. permissible pressure difference:		
at 40 Hz:	85.0 mbar	63.8 Torr
at 50 Hz:	75.0 mbar	56.3 Torr
at 60 Hz:	65.0 mbar	48.8 Torr
at 80 Hz:	50.0 mbar	37.5 Torr
at 120 Hz:	30.0 mbar	22.5 Torr
Leak rate:	≤ 1.0 x 10 <sup>-5</sup> mbar l/s	
Operating fluid:	LEYBONOL LVO 210	
Operating fluid capacity bearing chamber		
gear side:	0.6 l	0.63 qt
motor side:	0.3 l	0.31 qt
Noise level: (50 Hz)	< 56 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, 180-260 V, 50/60 Hz	
Operation with ext. frequency converter		
Motor rating:	3.5 kW	4.7 HP
Nominal rotation speed		
at 40 Hz:	2.400 min <sup>-1</sup>	2.400 rpm
at 50 Hz:	3.000 min <sup>-1</sup>	3.000 rpm
at 60 Hz:	3.600 min <sup>-1</sup>	3.600 rpm
at 80 Hz:	4.800 min <sup>-1</sup>	4.800 rpm
at 120 Hz:	7.200 min <sup>-1</sup>	7.200 rpm
Min. permissible rotation speed:	1.200 min <sup>-1</sup>	1.200 rpm
Max. permissible rotation speed:	7.200 min <sup>-1</sup>	7.200 rpm
Motor protection rating:	IP 55	
Admissible ambient temperature:	+5 to +45°C	+41 to +113°F
Dimensions:	see dimension sheet	
Weight:	≈ 125 kg	≈ 276 lbs

Technical data are subject to change