

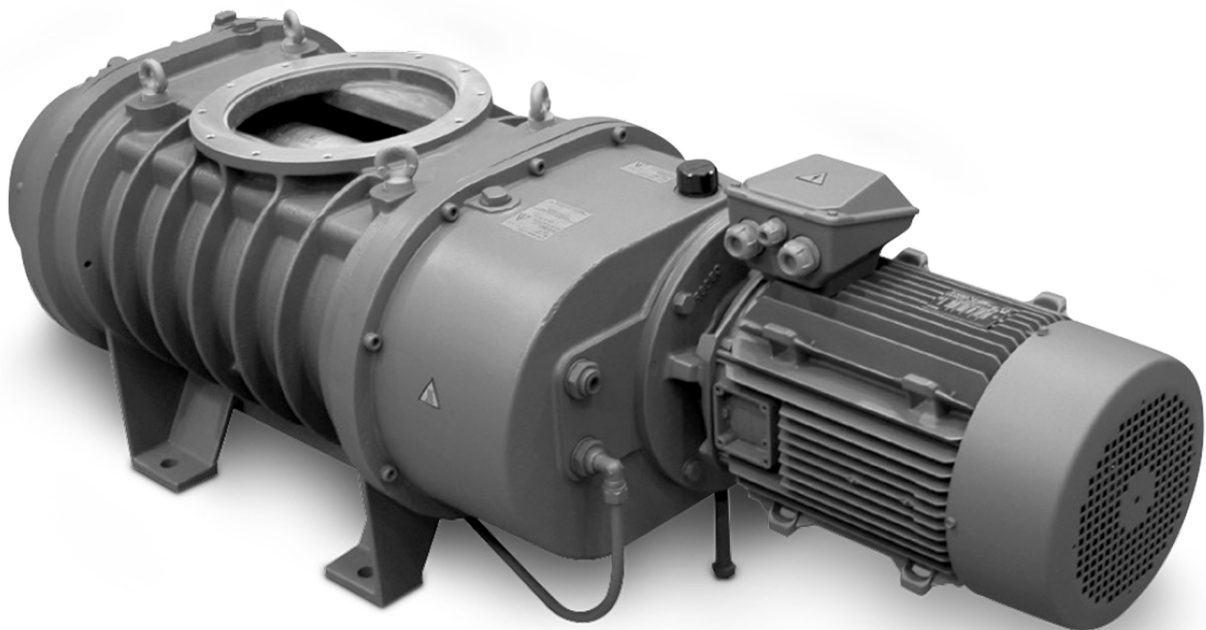


# Atlas Copco ZRS 500

## Technical Specifications

	50 Hz	60 Hz
Displacement (swept volume)	505 m <sup>3</sup> h <sup>-1</sup> / 300 cfm	605 m <sup>3</sup> h <sup>-1</sup> / 335 cfm
Effective pumping speed with backing pump GVS 100/GVD 80	400 m <sup>3</sup> h <sup>-1</sup> / 236 cfm @ 50 Hz	
Effective pumping speed with backing pump GVS 150/GVD 175	440 m <sup>3</sup> h <sup>-1</sup> / 259 cfm @ 50 Hz	
Pressure differential across pump	0-110 mbar / 0-83 Torr	0-90 mbar / 0-68 Torr
Inlet connection	ISO100	
Outlet connection	ISO63	
Rotational speed	0-2900 rpm	0-3500 rpm
Operating continuous inlet pressure	0-1000 mbar / 0-760 Torr	
Maximum outlet pressure	1000 mbar / 760 Torr	
Motor power	2.2 kW / 3 hp	
Ambient temperature range (operating)	5 to 40°C / 40 to 104°F	
Maximum operating humidity	90% RH	
Oil capacity (coupling cover)	1.5 litre / 1.6 qt	
Oil capacity (shaft seal reservoir)	0.125 litre / 0.25 qt	
Weight	106 kg / 234 lb	

Motors conform to EN 60034 and are energy efficient.





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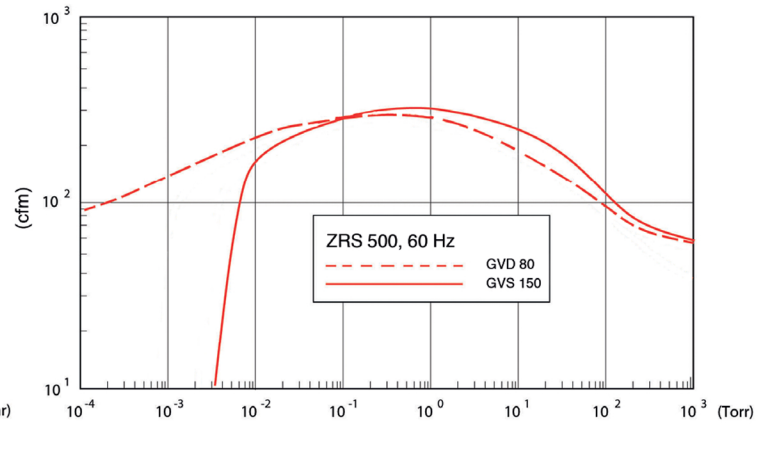
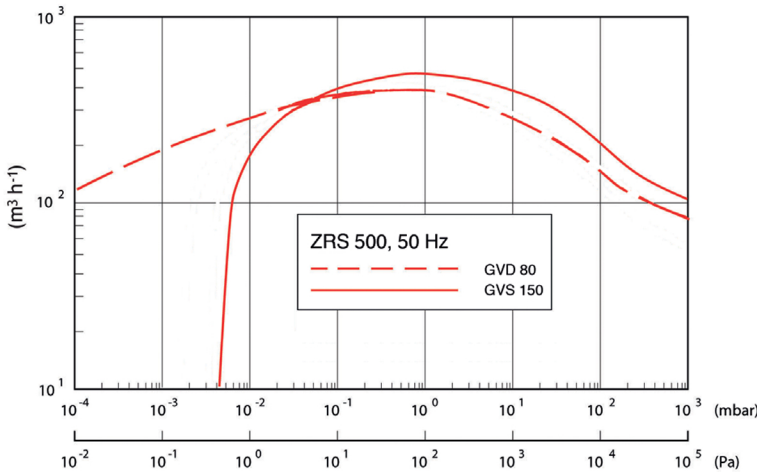
## SALES

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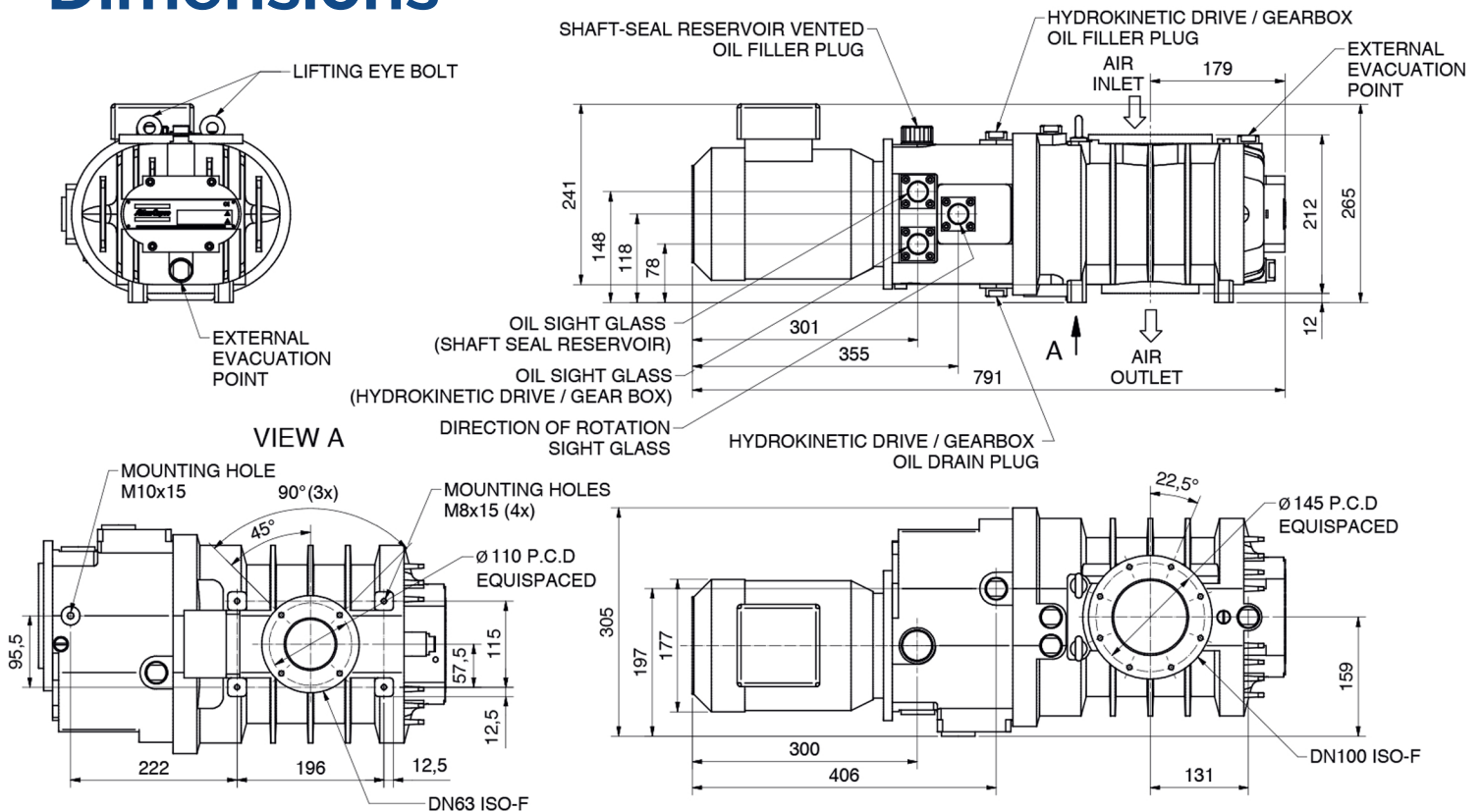
# Atlas Copco ZRS 500 Pumping Curves



Available motor voltages:

- 400 V 50 Hz
- 200/380 V 50 Hz
- 460 V 60 Hz
- 200/380 V 60 Hz

## Dimensions





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## Atlas Copco ZRS 500

### Features & Benefits

- highly reliable operating at low pressures
- high quality, oil-free pumping mechanism
- quiet, vibration free operation
- rugged & corrosion resistant
- advanced shaft seal technology with no oil contamination
- minimal maintenance requirements
- dynamically balanced rotors & precision ground gears

### Applications

- vacuum packaging • drying & de-gassing • vacuum metallurgy/  
distillation • thin film coating • low density wind tunnels • space  
simulation • vacuum impregnation • freeze drying