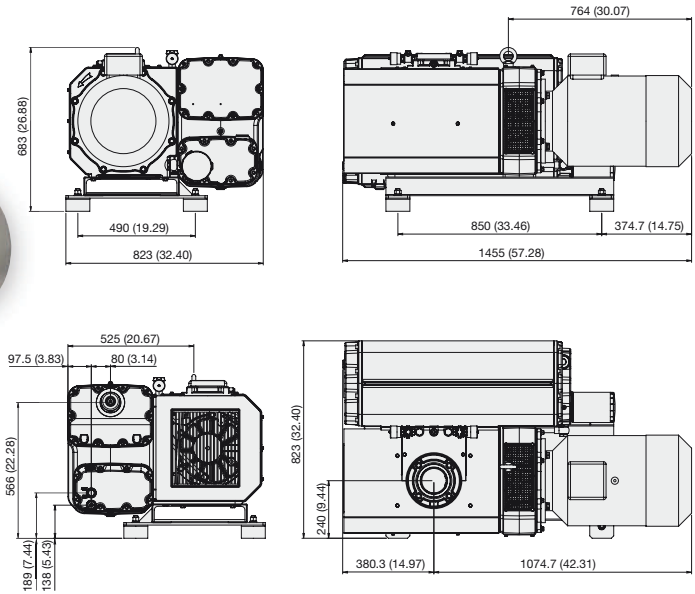


# PUMP MODELS

## ▶ Agilent MS-631



Dimensions: millimeters (inches)

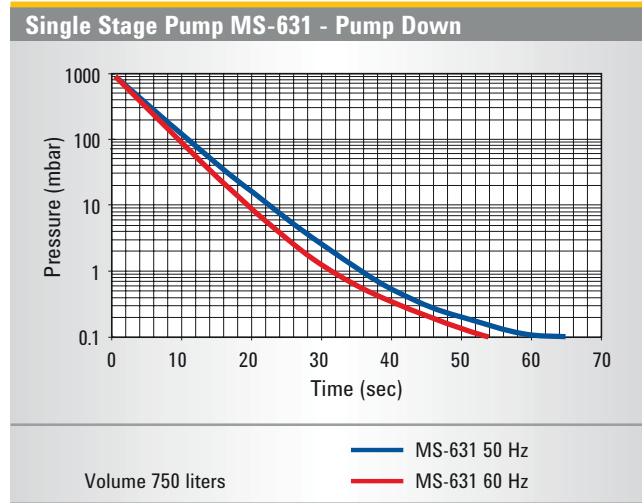
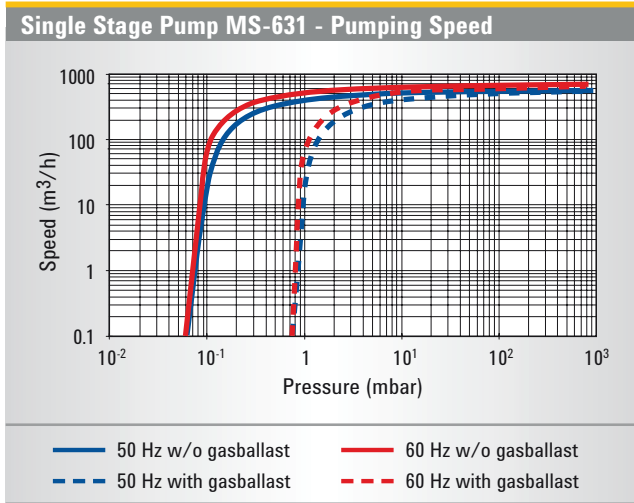
### Technical Specifications

<b>Free air displacement</b>	60 Hz: 790 m <sup>3</sup> /hr, 465 cfm 50 Hz: 660 m <sup>3</sup> /hr, 390 cfm
<b>Pumping speed*</b>	60 Hz: 680 m <sup>3</sup> /hr, 400 cfm 50 Hz: 590 m <sup>3</sup> /hr, 350 cfm
<b>Ultimate partial pressure</b> (with gas ballast closed)	≤ 8 × 10 <sup>-2</sup> mbar (≤ 6 × 10 <sup>-2</sup> Torr)
<b>Ultimate total pressure</b> (with gas ballast open)	≤ 0.5 mbar (≤ 0.37 Torr)
<b>Power</b>	60 Hz: 18.5 kW (24.8 HP) 50 Hz: 15 kW (20.1 HP)
<b>Electrical motor characteristics</b>	IM B5 Δ400/Y690 V at 50 Hz, Δ460 V at 60 Hz IM B5 Δ220/Y380 V at 60 Hz IM B5 YY230/Y460 V at 60 Hz
<b>Revolutions number</b>	60 Hz: 1200 RPM 50 Hz: 1000 RPM
<b>Water vapor tolerance</b>	60 Hz/50 Hz: 40/30 mbar (30/23 Torr)
<b>Water vapor capacity</b>	60 Hz/50 Hz: 30/20 kg/h (33.1/22.0 qt/hr)
<b>Noise level**</b>	60 Hz/50 Hz: 73/71 dB(A)
<b>Inlet port</b>	Flange DN 100 ISO-K / 4" gas / 4" NPT
<b>Exhaust port</b>	3" gas / 3" NPT
<b>Oil</b>	type MS-01, charge 22 liter (23.2 qt)
<b>Working ambient temperature range</b>	+12 +40 °C (+54 +105 F)
<b>Storage temperature</b>	-20 +70 °C (+4 +158 F)
<b>Dimensions</b>	60 Hz: 1480 × 823 × 683 mm (58.2 × 32.4 × 26.9 in.) 50 Hz: 1455 × 823 × 683 mm (57.3 × 32.4 × 26.9 in.)
<b>Weight</b>	
with 15.0 kW motor	582 kg (1283 lbs)
with 18.5 kW motor	612 kg (1349 lbs)
without motor	392 kg (864 lbs)

\* According to PNEUROP 6602

\*\* According to EN ISO 2151 (50/60 Hz)

# HIGH CAPACITY MS-RPS SERIES



High Capacity MS-RPS Pumps

## Ordering Information

### High Capacity Rotary Vane Pumps \*

	<b>Part Number</b>
MS-631 15.0 kW, Δ400/Y690 V, 50 Hz; IE2; inlet 4" gas	X3753-64073
MS-631 15.0 kW, Δ400/Y690 V, 50 Hz; IE2 DN 100 ISO-K	X3753-64074
MS-631 15.0 kW, Δ400/Y690 V, 50 Hz - Δ460 V, 60 Hz; inlet 4" gas	X3753-64075
MS-631 18.5 kW, Δ400/Y690 V, 50 Hz - Δ460 V, 60 Hz; DN 100 ISO-K	X3753-64076
MS-631 18.5 kW, Δ220/Y380 V, 60 Hz; IE2; inlet 4" gas	X3753-64079
MS-631 18.5 kW, Δ220/Y380 V, 60 Hz; IE2; DN 100 ISO-K	X3753-64080
MS-631 18.5 kW, YY230/Y460 V, 60 Hz; IE2; inlet 4" gas	X3753-64077
MS-631 18.5 kW, YY230/Y460 V, 60 Hz; IE2; DN 100 ISO-K	X3753-64078

\* Oil charge not included

### Oil and Accessories

	<b>Part Number</b>
MS-01 Oil charge for MS-631 (22 liters)	X3760-64003
Inlet air filter with polyester cartridge, for 4" gas connection	9495062
Inlet air filter with polyester cartridge with DN 100 ISO-K flange	9495162
Connection fitting kit, for 4" gas connection	9495066
Connection fitting kit, for DN 100 ISO-K flange connection	9495166

### Protective Accessories

	<b>Part Number</b>
Pump thermal protection switch (to be ordered together with the pump)	9495076
Oil separator control pressure switch (to be ordered together with the pump)	9495077
MS-631 oil level protection switch (to be ordered together with the pump)	9495079

### Spare Parts

	<b>Part Number</b>
MS-631 minor spare part kit	9495087
MS-631 major spare part kit	9495088
Oil filter (type B)	9495090
MS-631 inlet air filter polyester cartridge	9495089
MS-631 exhaust coalescent filter kit	SR03706207