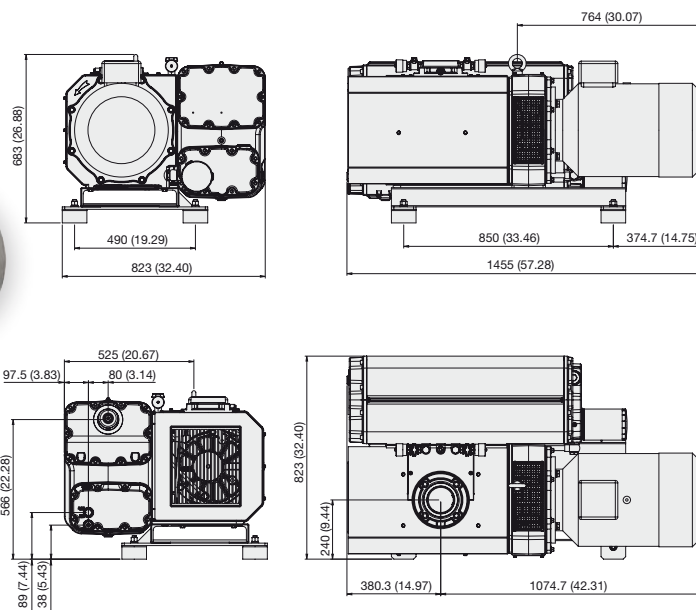


## PUMP MODELS

### ▶ Agilent MS-631



Dimensions: millimeters (inches)

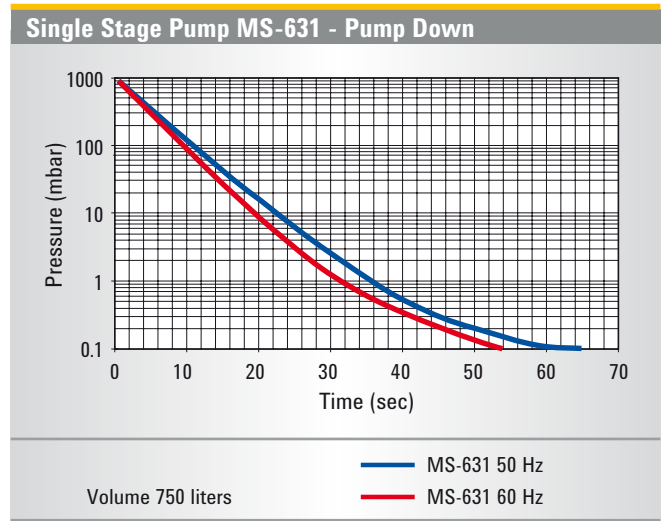
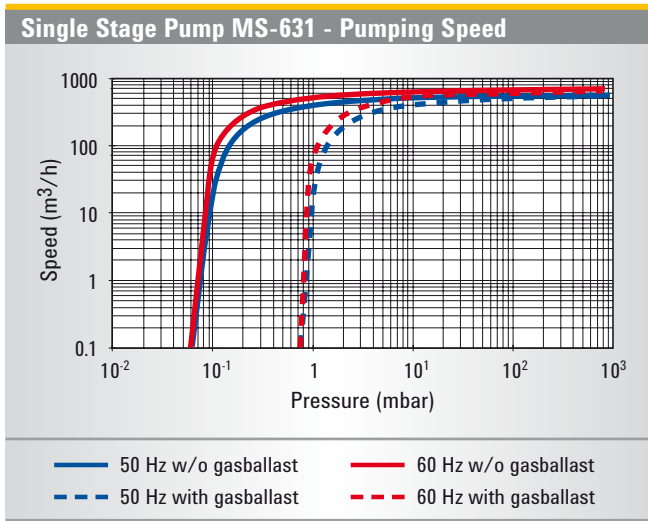
### Technical Specifications

<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 x 10 <sup>-2</sup> mbar (≤ 6 x 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 x 823 x 683 mm (58.2 x 32.4 x 26.9 in.) 50 Hz: 1455 x 823 x 683 mm (57.3 x 32.4 x 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 *	Part Number
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	Part Number
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	Part Number
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	Part Number
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