



## KAISHAN VACUUM PUMP

### DATA SHEET - VARIABLE SPEED VACUUM PUMP

**Product information**

Model	KRSV-50
Frequency - Hz	60
Voltage - V	460
Motor rated shaft power -HP	50
Maximum continuous inlet pressure - "HgV	15
Ultimate pressure - "HgV	29.9
Maximum exhaust back pressure - mmH2O	6
Maximum volume flow rate - acfm	1343
Maximum allowable air inlet temperature - °F	150
Minimum allowable air inlet temperature - °F	32
Cooling	Air
Maximum ambient temperature - °F	115
Minimum ambient temperature - °F	34

**dBA Ratings at 3 feet (Typical)**

Maximum sound pressure level	76
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**Filter Rating**

Inlet Air filter	99.9% Eff.
Oil filter - μm	23
Fluid Carryover - PPM	2

**Reference conditions**

Relative humidity - %	0
Air inlet temperature - °F	68

**Performance data**

Inlet pressure "HgV	Max. speed RPM	Flow rate acfm	Input power kW
15	2675	1170	48.4
18	2766	1179	49.2
21	2885	1206	49.1
24	3060	1260	50.2
27	3330	1343	43.2
27.7	3510	1338	44.6
28.4	3510	1187	42.4
29.1	3510	929	41.3
29.9	3510	518	43.1



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#### Electrical Data (Typical)

Motor Nominal Efficiency - %	94.5
Service Factor	1.25
Starter Type	VSD
Maximum speed - RPM	3550
Minimum speed - RPM	800
Motor frame	IP54
Full Load Package Amps @ 460V/60 Hz	69.3

#### Oil Pump

Motor rated HP	1.5
Motor Nominal Efficiency - %	89.5
Motor frame	IP54
Rated speed - RPM	1740

#### Dimensions & Weights w/Enclosure Air-cooled Series

Length - in	98
Width - in	64
Height - in	65
Weight - lbs	5909
Inlet flange	NPS6 Class 150LB
Outlet flange	NPS4 Class 150LB
Lubricant Capacity (Gallons)	22

#### Cooling Air Flows

Cooling fan capacity - cfm	4179
Fan Motor - HP	1.5
Cooling fan type	Centrifugal

#### Product features

Airend	Single Stage with slide valve
Motor brand	WEG
Drive type	Direct
Variable speed drive	Schneider
Enclosure/Cabinet type	Low sound

#### Remark

- (1) Volume flow rate measured according ISO 21360-2:2020
- (2) Pressure measured according ISO 21360-2:2020
- (3) Sound pressure level measured according to ISO 2151:2004 using ISO 9614/2, with  $\pm 3\text{dB(A)}$  tolerance