



# KAISHAN VACUUM PUMP

## DATA SHEET - VARIABLE SPEED VACUUM PUMP

### Product information

Model	KRSV-75
Frequency - Hz	60
Voltage - V	460
Motor rated shaft power -HP	75
Maximum continuous inlet pressure - "HgV	15
Ultimate pressure - "HgV	29.9
Maximum exhaust back pressure - mmH2O	0.1
Maximum volume flow rate - acfm	2248
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	77
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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	2480	1680	59.4
18	2565	1775	61.4
21	2675	1871	62.6
24	2840	2102	61.1
27	3120	2219	57.2
27.7	3255	2248	58.2
28.4	3360	2204	59.6
29.1	3360	1873	57.5
29.7	3360	1326	58.3



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#### Electrical Data (Typical)

Motor Nominal Efficiency - %	95.4
Service Factor	1.25
Starter Type	VSD
Maximum speed - RPM	3360
Minimum speed - RPM	800
Motor frame	IP54
Full Load Package Amps @ 460V/60 Hz	83.3

#### Oil Pump

Motor rated HP	3
Motor Nominal Efficiency - %	89.5
Motor frame	IP54
Rated speed - RPM	1740

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

Length - in	105
Width - in	73
Height - in	79
Weight - lbs	8245
Inlet flange	NPS8 Class 150LB
Outlet flange	NPS6 Class 150LB
Lubricant Capacity (Gallons)	29

#### Cooling Air Flows

Cooling fan capacity - cfm	5297
Fan Motor - HP	2
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