



KAISHAN VACUUM PUMP

DATA SHEET - VARIABLE SPEED VACUUM PUMP

Product information

Model	KRSV-125
Frequency - Hz	60
Voltage - V	460
Motor rated shaft power -HP	125
Maximum continuous inlet pressure - "HgV	15
Ultimate pressure - "HgV	29.9
Maximum exhaust back pressure - mmH2O	6
Maximum volume flow rate - acfm	3505
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	80
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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	2400	2629	90.4
18	2490	2686	95.7
21	2600	2781	102.7
24	2760	2947	105.3
27	3030	3210	100.1
27.7	3160	3408	104.1
28.4	3250	3505	107.5
29.1	3250	2961	107.4
29.5	3250	2117	110.4



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Electrical Data (Typical)

Motor Nominal Efficiency - %	95.4
Service Factor	1.25
Starter Type	VSD
Maximum speed - RPM	3250
Minimum speed - RPM	800
Motor frame	IP54
Full Load Package Amps @ 460V/60 Hz	150.7

Oil Pump

Motor rated HP	5.5
Motor Nominal Efficiency - %	89.5
Motor frame	IP54
Rated speed - RPM	1751

Dimensions & Weights w/Enclosure Air-cooled Series

Length - in	146
Width - in	80
Height - in	89
Weight - lbs	12570
Inlet flange	NPS10 Class 150LB
Outlet flange	NPS8 Class 150LB
Lubricant Capacity (Gallons)	37

Cooling Air Flows

Cooling fan capacity - m3/h	8240
Fan Motor - HP	3
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