



KAISHAN VACUUM PUMP

DATA SHEET - VARIABLE SPEED VACUUM PUMP

Product information

Model	KRSV-25
Frequency - Hz	60
Voltage - V	460
Motor rated shaft power -HP	25
Maximum continuous inlet pressure - "HgV	15
Ultimate pressure - "HgV	29.9
Maximum exhaust back pressure - mmH2O	6
Maximum volume flow rate - acfm	800
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 - dBA	73
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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	2640	515	18.1
18	2730	570	18.9
21	2850	630	19.9
24	3025	730	20.0
27	3325	789	17.6
27.7	3470	800	18.1
28.4	3580	778	18.8
29.1	3580	641	18.0
29.9	3580	241	17.5



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Electrical Data (Typical)

Motor Nominal Efficiency - %	93.6
Service Factor	1.25
Starter Type	VSD
Maximum speed - RPM	3580
Minimum speed - RPM	800
Motor frame	IP54
Full Load Package Amps @ 460V/60 Hz	27.1

Oil Pump

Motor rated HP	1.5
Motor Nominal Efficiency - %	86.5
Motor frame	IP54
Rated speed - RPM	1740

Dimensions & Weights w/Enclosure Air-cooled Series

Length - in	86
Width - in	57
Height - in	61
Weight - lbs	3748
Inlet flange	NPS 6" Class 150LB
Outlet flange	NPS 4" Class 150LB
Lubricant Capacity (Gallons)	12

Cooling Air Flows

Cooling fan capacity - cfm	3179
Fan Motor - HP	1
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

