



KAISHAN VACUUM PUMP

DATA SHEET - VARIABLE SPEED VACUUM PUMP

Product information

Model	KRSV-30
Frequency - Hz	60
Voltage - V	460
Motor rated shaft power -HP	30
Maximum continuous inlet pressure - "HgV	15
Ultimate pressure - "HgV	29.9
Maximum exhaust back pressure - mmH2O	6
Maximum volume flow rate - acfm	982
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	74
------------------------------------	----

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	705	24.5
18	2490	710	25.4
21	2600	747	26.0
24	2755	789	25.8
27	3030	962	24.7
27.7	3160	982	24.8
28.4	3260	899	24.6
29.1	3260	694	23.1
29.9	3260	387	22.6



KAISHAN VACUUM PUMP

DATA SHEET - VARIABLE SPEED VACUUM PUMP

Electrical Data (Typical)	
Motor Nominal Efficiency - %	93.6
Service Factor	1.25
Starter Type	VSD
Maximum speed - RPM	3260
Minimum speed - RPM	800
Motor frame	IP54
Full Load Package Amps @ 460V/60 Hz	36

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	4123
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 ±3dB(A) tolerance