KAISHAN VACUUM PUMP

DATA SHEET - VARIABLE SPEED VACUUM PUMP

Product information	
Model	KRSV-10
Frequency - Hz	60
Voltage - V	460
Motor rated shaft power -HP	10
Maximum continuous inlet pressure - "HgV	15
Ultimate pressure - "HgV	29.9
Maximum exhaust back pressure - mmH2O	6
Maximum volume flow rate - acfm	286
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	68
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	184	8.2
18	2730	197	8.1
21	2850	211	7.8
24	3025	261	7.5
27	3325	282	7.4
27.7	3470	286	7.4
28.4	3580	278	7.4
29.1	3580	229	7.3
29.9	3580	86	7.3

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Electrical Data (Typical)	
Motor Nominal Efficiency - %	91.7
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	16.2
Oil Pump	
Motor rated HP	0.75
Motor Nominal Efficiency - %	81.1
Motor frame	IP54
Rated speed - RPM	1730
Dimensions & Weights w/Enclosure Air-cooled Series	
Length - in	66
Width - in	66
Height - in	43
Weight - lbs	2139
Inlet flange	NPS 3" Class 150LB
Outlet flange	NPS 2 1/2" Class 150LB
Lubricant Capacity (Gallons)	4
Cooling Air Flows	
Cooling fan capacity - cfm	1472
Fan Motor - HP	0.33
Cooling fan type	Centrifugal
Product features	
Airend	Single Stage with slide valve
Motor brand	WEG
Drive type	Direct
Variable speed drive	Schneider, Kaishan
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