



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA - FIXED SPEED COMPRESSORS

Product Information

Model	KRSL-100-45
Cooling	Air cooled
Power Supply - Voltage	460V
Power Supply - Frequency	60Hz
Power Supply - Phases	3-Phase
Type of drive	Direct
Maximum ambient temperature - °F	115
Minimum ambient temperature - °F	32

Compressor Performance*

Rated Working Pressure - psig	36
Minimum working pressure - psig	30
Maximum working pressure - psig	45
Capacity at rated Working Pressure - acfm	1010
Total input Power at rated Working Pressure – kW	95.2
Specific Power at rated Working Pressure-kW/100 cfm	9.4

Electrical Data (Typical)

Motor rated HP	100
Motor Nominal Efficiency %	95.4%
Motor frame	TEFC
Service Factor	1.3
Starter Type	Y-Δ
Motor Protection	IP54
Electrical enclosure rating	NEMA 1

Full Load Package Amps

Full load package amps - 460 V/60 Hz	156
Full load package amps - 230 V/60 Hz	312



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Dimensions & Weights w/Enclosure Air-cooled Series

Length - in	113
Width - in	69
Height - in	81
Weight - lbs	7715
Discharge Pipe Size	NPS5
Moisture Drain Connection	-
Lubricant Capacity (Gallons)	17

dBA Ratings at 3 feet (Typical)

Air – cooled enclosure - dBA	74
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Cooling Air Flows

Cooling fan capacity - cfm	9888
Fan Motor - HP	5
Cooling fan	Centrifugal

Filter Rating

Inlet Air	99.9% Eff.
Oil Filter	23µm
Fluid Carryover(PPM)	3ppm

Product Features

Airend	Single stage
Motor brand	WEG
Motor type	IEC
Control Type	Modulation
Enclosure/Cabinet type	Low sound

Effective - June 2023