



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

KCA MODEL

KRSD50-115

KRSD50-125

GENERAL DATA

ACFM	237	233
Full load pressure (psig)	115	125
Maximum pressure (psig)	125	135
Package KW at rated pressure (A/C)	46.0	48.3
Specific power KW/100 cfm (A/C)	19.4	20.7
Package KW at rated pressure (W/C)	N/A	N/A
Specific power KW/100 cfm (W/C)	N/A	N/A
Motor HP at full load	55.5	58.3
Unloaded power (KW)	13.8	13.8
Control type		Modulation
Starter type		Wye Delta

AIR END DATA

Air end model		Patented SKK 5/6 profile
Number of thrust bearings (male/female)	2/2	2/2
Drive type	Direct	Direct
Bearing manufacturer	SKF only	SKF only

COOLING DATA (AIR)

Ambient temperature rating (min/max)		32/122
Cooling fan capacity	4473	4473
Heat rejected (BTU/HR)	128400	128400
Max. static back pressure		6mmH2O
Approach temperature	22	22

COOLING DATA (WATER)

Type of heat exchangers		N/A
Cooling fan capacity (cfm)	N/A	N/A
Approach temperature	N/A	N/A
Heat rejected into cooling water (BTU/HR)	N/A	N/A
Heat rejected into cooling air (BTU/HR)	N/A	N/A
Maximum outlet temperature	N/A	N/A
Maximum inlet temperature	N/A	N/A
Minimum cooling water flow (F)	N/A	N/A
Water pressure drop (psi)	N/A	N/A

SOUND LEVEL

Sound Level (A/C)	74	74
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ELECTRICAL DATA

Electrical enclosure rating		NEMA1	
Enclosure type (drive and fan)		TEFC	
Insulation class (drive and fan)		F	
Drive motor HP	50		50
Drive motor nominal speed(rpm)	3565		3565
Drive motor efficiency	93.2%		93.2%
Service Factor	1.25		1.25
Fan motor HP #1	1.0		1.0
Fan motor HP #2	N/A		N/A
Full load package amps 230V/60HZ	151		167
Full load package amps 460V/60HZ	76		83

FILTRATION AND LUBRICATION DATA

Air filter micron rating	5µm		5µm
Fluid filter micron rating	23µm		23µm
Fluid carryover (PPM)	<3		<3

COMPRESSOR COOLING FLUID DATA

Fluid capacity (A/C) (Gal)	6		6
Fluid normal life expectancy (HR)	8000		8000

PACKAGE INFORMATION

Discharge connections	NPT 2"		NPT 2"
Condensate connections	N/A		N/A
Cooling water connections	N/A		N/A
Length (in)	70		70
Width (in)	52		52
Height (in)	40		40
Weight (lbs) (A/C)	2116		2116
Estimated shipping weight (lbs)	2271		2271

PRODUCT FEATURES

Motor brand	Marathon or Weg
Starter and controls brand	Siemens or Schnieder
Enclosure/Cabinet type	Low sound
Inlet filter type	Heavy Duty
Phase monitor	Standard
Cooling fan type (A/C)	Axial
Internal piping	Stainless steel

Effective 2-1-19