



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

KCA MODEL	KRSD40-115		KRSD40-125
GENERAL DATA			
ACFM	198		195
Full load pressure (psig)	115		125
Maximum pressure (psig)	125		135
Package KW at rated pressure (A/C)	39.2		41.2
Specific power KW/100 cfm (A/C)	19.8		21.1
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	44.0		46.2
Unloaded power (KW)	14.5		14.5
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	3578		3578
Heat rejected (BTU/HR)	102720		102720
Max. static back pressure		6mmH2O	
Approach temperature	15		15
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	40		40
Drive motor nominal speed(rpm)	3565		3565
Drive motor efficiency	93.0%		93.0%
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	112		118
Full load package amps 460V/60HZ	56		59
Full load package amps 575V/60HZ	41		43

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
Length (in)	70		70
Width (in)	40		40
Height (in)	52		52
Weight (lbs) (A/C)	2116		2116
Estimated shipping weight (lbs)	2211		2211

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 1-3-20