



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

KCA MODEL	KRSD100-115		KRSD100-125
GENERAL DATA			
ACFM	496		492
Full load pressure (psig)	115		125
Maximum pressure (psig)	125		135
Package KW at rated pressure (A/C)	95.7		100.5
Specific power KW/100 cfm (A/C)	19.3		20.4
Package KW at rated pressure (W/C)	N/A		N/A
Specific power KW/100 cfm (W/C)	N/A		N/A
Unloaded power (KW)	24.9		24.9
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	9889		9889
Heat rejected (BTU/HR)	252252		252252
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)	76	76	76



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

ELECTRICAL DATA

Electrical enclosure rating		NEMA1	
Enclosure type (drive and fan)		TEFC	
Insulation class (drive and fan)		F	
Drive motor HP	100		100
Drive motor nominal speed(rpm)	3580		3580
Drive motor efficiency	94.1%		94.1%
Service Factor	1.25		1.25
Fan motor HP #1	5		5
Fan motor HP #2	0		0
Full load package amps 460V/60HZ	127		133
Full load package amps 575V/60HZ	109		114

FILTRATION AND LUBRICATION DATA

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

COMPRESSOR COOLING FLUID DATA

Fluid capacity (A/C) (Gal)	11	11	11
Fluid normal life expectancy (HR)	8000	8000	8000

PACKAGE INFORMATION

Discharge connections	NPS 3"		NPS 3"
Condensate connections	N/A		N/A
Length (in)	89		89
Width (in)	48		48
Height (in)	62		62
Weight (lbs) (A/C)	4608		4608
Estimated shipping weight (lbs)	4850		4850

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 3-30-20