



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

KCA MODEL KRSD125-115 KRSD125-125

GENERAL DATA

ACFM	604	597
Full load pressure (psig)	115	125
Maximum pressure (psig)	125	135
Package KW at rated pressure (A/C)	112.6	118.2
Specific power KW/100 cfm (A/C)	18.6	19.8
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)	34.9	34.9
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)	303526	303526
Max. static back pressure		6mmH2O
Approach temperature	22	22

COOLING DATA (WATER)

Type of heat exchangers		Tube and shell
Cooling fan capacity (cfm)	1765	1765
Approach temperature	15	15
Heat rejected into cooling water (BTU/HR)	298504	298504
Heat rejected into cooling air (BTU/HR)	9011	9011
Maximum outlet temperature	≤122	≤122
Maximum inlet temperature	≤89.6	≤89.6
Minimum cooling water flow (F)	11	11
Water pressure drop (psi)	16	16

SOUND LEVEL

Sound Level (A/C)	77	77
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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	125		125
Drive motor nominal speed(rpm)	3550		3550
Drive motor efficiency	95.0%		95.0%
Service Factor	1.20		1.20
Fan motor HP #1	5		5
Fan motor HP #2	0		0
Full load package amps 460V/60HZ	156		172
Full load package amps 575V/60HZ	136		143

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)	15		15
Fluid normal life expectancy (HR)	8000		8000

PACKAGE INFORMATION

Discharge connections	NPS 3"		NPS 3"
Condensate connections	N/A		N/A
Length (in)	93		93
Width (in)	52		52
Height (in)	65		65
Weight (lbs) (A/C)	4343		4343
Estimated shipping weight (lbs)	4409		4409

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