



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

KCA MODEL	KRSP125-115	KRSP125-125	KRSP125-150
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GENERAL DATA

ACFM	613	608	441
Full load pressure (psig)	115	125	150
Maximum pressure (psig)	125	135	160
Package KW at rated pressure (A/C)	114.1	119.8	93.0
Specific power KW/100 cfm (A/C)	18.6	19.7	21.1
Package KW at rated pressure (W/C)	110.7	116.4	89.6
Specific power KW/100 cfm (W/C)	18.1	19.1	20.3
Unloaded power (KW)	21.7	21.7	21.7
Control type		Modulation	
Starter type		Wye Delta	

AIR END DATA

Air end model		Patented SKY 5/6 profile	
Number of thrust bearings (male/female)	4-3	4-3	4-3
Drive type	Direct	Direct	Direct
Bearing manufacturer	SKF only	SKF only	SKF only

COOLING DATA (AIR)

Ambient temperature rating (min/max)		32/122	
Cooling fan capacity	8976	8976	8976
Heat rejected (BTU/HR)	293527	300092	239997
Max. static back pressure		6mmH2O	
Approach temperature	15	15	15

COOLING DATA (WATER)

Type of heat exchangers		Shell and tube	
Approach temperature	15	15	15
Heat rejected into cooling water (BTU/HR)	293527	300092	239997
Maximum inlet temperature	≤90	≤90	≤90
Minimum cooling water flow 70 (F)	26	32	26
Minimum cooling water flow 90 (F)	51	55	51
Water pressure drop (psi)	16	16	16

SOUND LEVEL

Sound Level (A/C)	75	75	75
Sound Level (W/C)	75	75	75



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ELECTRICAL DATA

Electrical enclosure rating		NEMA4	
Enclosure type (drive and fan)		TEFC	
Insulation class (drive and fan)		F	
Drive motor HP	125	125	125
Drive motor nominal speed(rpm)	1790	1790	1790
Service Factor	1.20	1.20	1.20
Drive motor efficiency	95.4%	95.4%	95.4%
Fan motor HP #1	5.5	5.5	5.5
Fan motor HP #2	0	0	0
Full load package amps 460V/60HZ	166	175	166
Full load package amps 575V/60HZ	142	149	148

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)	13.2	13.2	13.2
Fluid capacity (W/C) (Gal)	13.2	13.2	13.2
Fluid normal life expectancy (HR)	8000	8000	8000

PACKAGE INFORMATION

Discharge connections	NPT 2"	NPT 2"	NPT 2"
Condensate connections	NPT 1/4"	NPT 1/4"	NPT 1/4"
Cooling water connections	NPT 1 1/2"	NPT 1 1/2"	NPT 1 1/2"
Length (in)	98	98	98
Width (in)	60	60	60
Height (in)	72	72	72
Weight (lbs) (A/C)	5864	5864	5864
Weight (lbs) (W/C)	5402	5402	5402
Estimated shipping weight (lbs)	6680	6680	6680

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)	Centrifugal
Internal piping	Stainless steel