



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

KCA MODEL	KRSP200-115	KRSP200-125	KRSP200-150
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GENERAL DATA

ACFM	940	935	716
Full load pressure (psig)	115	125	150
Maximum pressure (psig)	125	135	160
Package KW at rated pressure (A/C)	174.0	181.5	146.8
Specific power KW/100 cfm (A/C)	18.5	19.4	20.5
Package KW at rated pressure (W/C)	169.5	177.0	142
Specific power KW/100 cfm (W/C)	18.0	18.9	19.9
Unloaded power (KW)	35.1	35.1	35.1
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	SKF	SKF

COOLING DATA (AIR)

Ambient temperature rating (min/max)		32/122	
Cooling fan capacity	10900	10900	10900
Heat rejected (BTU/HR)	450403	468419	374735
Max. static back pressure		6mmH2O	
Approach temperature	15	15	15

COOLING DATA (WATER)

Type of heat exchangers		Tube and shell	
Approach temperature (F)	15	15	15
Heat rejected into cooling water (BTU/HR)	450403	468419	374735
Maximum inlet temperature (F)	≤90	≤90	≤90
Minimum cooling water flow 70 (F)	40	43	40
Minimum cooling water flow 90 (F)	73	80	73
Water pressure drop (psi)	16	16	16

SOUND LEVEL

Sound Level (A/C)	76	76	76
Sound Level (W/C)	76	76	76



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ELECTRICAL DATA

		NEMA4	
Electrical enclosure rating		TEFC	
Enclosure type (drive and fan)		F	
Insulation class (drive and fan)			
Drive motor HP	200	200	200
Drive motor nominal speed(rpm)	1785	1785	1785
Service Factor	1.20	1.20	1.20
Drive motor efficiency	96.2%	96.2%	96.2%
Fan motor HP #1	5.5	5.5	5.5
Fan motor HP #2	2	2	2
Full load package amps 460V/60HZ	257	270	240
Full load package amps 575V/60HZ	185	194	188

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)	18.5	18.5	18.5
Fluid capacity (W/C) (Gal)	18.5	18.5	18.5
Fluid normal life expectancy (HR)	8000	8000	8000

PACKAGE INFORMATION

Discharge connections	NPS3	NPS3	NPS3
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)	122	122	122
Width (in)	67	67	67
Height (in)	81	81	81
Weight (lbs) (A/C)	8973	8973	8973
Weight (lbs) (W/C)	7938	7938	7938
Estimated shipping weight (lbs)	9502	9502	9502

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 fan with VSD drive
Internal piping	Stainless steel