



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

KCA MODEL	KRSP150-115	KRSP150-125	KRSP150-150
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GENERAL DATA

ACFM	728	721	593
Full load pressure (psig)	115	125	150
Maximum pressure (psig)	125	135	160
Package KW at rated pressure (A/C)	128.6	132.9	124.3
Specific power KW/100 cfm (A/C)	17.7	18.4	21.0
Package KW at rated pressure (W/C)	124.1	128.4	119.8
Specific power KW/100 cfm (W/C)	17.0	17.8	20.2
Unloaded power (KW)	23.6	23.6	23.6
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	9335	9335	9335
Heat rejected (BTU/HR)	340361	358274	318329
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)	340361	358274	318329
Maximum inlet temperature	≤90	≤90	≤90
Minimum cooling water flow 70 (F)	28	34	28
Minimum cooling water flow 90 (F)	54	60	54
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

Electrical enclosure rating		NEMA4	
Enclosure type (drive and fan)		TEFC	
Insulation class (drive and fan)		F	
Drive motor HP	150	150	150
Drive motor nominal speed(rpm)	1785	1785	1785
Service Factor	1.20	1.20	1.20
Drive motor efficiency	95.8%	95.8%	95.8%
Fan motor HP #1	5.5	5.5	5.5
Fan motor HP #2	1.5	1.5	1.5
Full load package amps 460V/60HZ	196	210	206
Full load package amps 575V/60HZ	163	171	167

FILTRATION AND LUBRICATION DATA

Air filter micron rating	5 μ m	5 μ m	5 μ m
Fluid filter micron rating	23 μ m	23 μ m	23 μ m
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)	8333	8333	8333
Weight (lbs) (W/C)	7497	7497	7497
Estimated shipping weight (lbs)	8863	8863	8863

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