



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

KCA MODEL	KRSP60-115	KRSP60-125	KRSP60-150
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GENERAL DATA

ACFM	288	284	234
Full load pressure (psig)	115	125	150
Maximum pressure (psig)	125	135	160
Package KW at rated pressure (A/C)	55.2	58.0	51
Specific power KW/100 cfm (A/C)	19.2	20.4	21.8
Package KW at rated pressure (W/C)	53.0	55.8	48.9
Specific power KW/100 cfm (W/C)	18.4	19.6	20.9
Unloaded power (KW)	12.0	12.0	12.0
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	5886	5886	5886
Heat rejected (BTU/HR)	148545	148545	148545
Max. static back pressure		6mmH2O	
Approach temperature	16	16	16

COOLING DATA (WATER)

Type of heat exchangers		Shell and tube	
Approach temperature	15	15	15
Heat rejected into cooling water (BTU/HR)	147832	155223	146833
Maximum inlet temperature	N/A	N/A	N/A
Minimum cooling water flow 70 (F)	17	21	17
Minimum cooling water flow 90 (F)	28	33	28
Water pressure drop (psi)	16	16	16

SOUND LEVEL

Sound Level (A/C)	72	72	72
Sound Level (W/C)	72	72	72



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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	60	60	60
Drive motor nominal speed(rpm)	3560	3560	3560
Service Factor	1.25	1.25	1.25
Drive motor efficiency	93.6%	93.6%	93.6%
Fan motor HP #1	3.0	3.0	3.0
Fan motor HP #2	0	0	0
Full load package amps 460V/60HZ	80	96	88
Full load package amps 575V/60HZ	71	75	73

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)	7.5	7.5	7.5
Fluid capacity (W/C) (Gal)	7.5	7.5	7.5
Fluid normal life expectancy (HR)	8000	8000	8000

PACKAGE INFORMATION

Discharge connections	NPS2	NPS2	NPS2
Condensate connections	NPT 1/4"	NPT 1/4"	NPT 1/4"
Cooling water connections	NPT 1"	NPT 1"	NPT 1"
Length (in)	89	89	89
Width (in)	56	56	56
Height (in)	68	68	68
Weight (lbs) (A/C)	3770	3770	3770
Weight (lbs) (W/C)	3308	3308	3308
Estimated shipping weight (lbs)	3990	3990	3990

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