



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

KCA MODEL	KRSP50-115	KRSP50-125	KRSP50-150
GENERAL DATA			
ACFM	239	235	194
Full load pressure (psig)	115	125	150
Maximum pressure (psig)	125	135	160
Package KW at rated pressure (A/C)	46.3	48.6	43.4
Specific power KW/100 cfm (A/C)	19.4	20.7	22.4
Package KW at rated pressure (W/C)	N/A	N/A	N/A
Specific power KW/100 cfm (W/C)	N/A	N/A	N/A
Motor HP at full load	54.6	57.3	C.F.
Unloaded power (KW)	10.1	10.1	10.1
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 only	SKF only	SKF only
COOLING DATA (AIR)			
Ambient temperature rating (min/max)		32/122	
Cooling fan capacity	4120	4120	4120
Heat rejected (BTU/HR)	123400	123400	123400
Max. static back pressure		6mmH2O	
Approach temperature	16	16	16
COOLING DATA (WATER)			
Type of heat exchangers	N/A	N/A	N/A
Cooling fan capacity (cfm)	N/A	N/A	N/A
Approach temperature	N/A	N/A	N/A
Heat rejected into cooling water (BTU/HR)	N/A	N/A	N/A
Heat rejected into cooling air (BTU/HR)	N/A	N/A	N/A
Maximum outlet temperature	N/A	N/A	N/A
Maximum inlet temperature	N/A	N/A	N/A
Minimum cooling water flow (F)	N/A	N/A	N/A
Water pressure drop (psi)	N/A	N/A	N/A
SOUND LEVEL			
Sound Level (A/C)	71	71	71
Sound Level (W/C)	71	71	71



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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	50	50	50
Drive motor nominal speed(rpm)	3565	3565	3565
Service Factor	1.25	1.25	1.25
Drive motor efficiency	93.2%	93.2%	93.2%
Fan motor HP #1	2.0	2.0	2.0
Fan motor HP #2	0	0	0
Full load package amps 208V/60HZ	160	172	179
Full load package amps 230V/60HZ	144	155	162
Full load package amps 460V/60HZ	68	72	74
Full load package amps 575V/60HZ	51	56	50

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)	6.6	6.6	6.6
Fluid capacity (W/C) (Gal)	6.6	6.6	6.6
Fluid normal life expectancy (HR)	8000	8000	8000

PACKAGE INFORMATION

Discharge connections	NPT 2"	NPT 2"	NPT 2"
Condensate connections	N/A	N/A	N/A
Cooling water connections	NPT 1"	NPT 1"	NPT 1"
Length (in)	71	71	71
Width (in)	46	46	46
Height (in)	54	54	54
Weight (lbs) (A/C)	2359	2359	2359
Weight (lbs) (W/C)	2354	2354	2354
Estimated shipping weight (lbs)	2690	2690	2690

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