



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

KCA MODEL	KRSB50-115	KRSB50-125	KRSB50-150	KRSB50-175
GENERAL DATA				
ACFM	223	212	190	177
Full load pressure (psig)	115	125	150	175
Maximum pressure (psig)	125	135	160	185
Package KW at rated pressure (A/C)	43.5	44.3	42.5	42.2
Specific power KW/100 cfm (A/C)	19.5	20.9	22.4	23.8
Package KW at rated pressure (W/C)	N/A	N/A	N/A	N/A
Specific power KW/100 cfm (W/C)	N/A	N/A	N/A	N/A
Unloaded power (KW)	14.4	14.4	14.4	14.4
Control type			Load/unload	
Starter type			Wye Delta	
AIR END DATA				
Air end model			Patented SKK 5/6 profile	
Number of thrust bearings (male/female)	2-2	2-2	2-2	2-2
Drive type	BELT	BELT	BELT	BELT
Bearing manufacturer	SKF only	SKF only	SKF only	SKF only
COOLING DATA (AIR)				
Ambient temperature rating (min/max)			32/122	
Cooling fan capacity	4476	4476	4476	4476
Heat rejected (BTU/HR)	130400	130400	130400	130400
Max. static back pressure			6mmH2O	
Approach temperature	18	18	18	18
COOLING DATA (WATER)				
Type of heat exchangers	N/A	N/A	N/A	N/A
Cooling fan capacity (cfm)	N/A	N/A	N/A	N/A
Approach temperature	N/A	N/A	N/A	N/A
Heat rejected into cooling water (BTU/HR)	N/A	N/A	N/A	N/A
Heat rejected into cooling air (BTU/HR)	N/A	N/A	N/A	N/A
Maximum outlet temperature	N/A	N/A	N/A	N/A
Maximum inlet temperature	N/A	N/A	N/A	N/A
Minimum cooling water flow (F)	N/A	N/A	N/A	N/A
Water pressure drop (psi)	N/A	N/A	N/A	N/A
SOUND LEVEL				
Sound Level (A/C)	75	75	75	75
Sound Level (W/C)	N/A	N/A	N/A	N/A



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ELECTRICAL DATA

	NEMA1			
	TEFC			
	F			
Electrical enclosure rating	50	50	50	50
Enclosure type (drive and fan)	3560	3560	3560	3560
Insulation class (drive and fan)	1.15	1.15	1.15	1.15
Drive motor HP	93.2%	93.2%	93.2%	93.2%
Drive motor nominal speed(rpm)	1.0	1.0	1.0	1.0
Service Factor	N/A	N/A	N/A	N/A
Drive motor efficiency	144.0	144.3	145.6	145.7
Fan motor HP #1	130.2	130.3	130.6	130.9
Fan motor HP #2	65.1	65.9	72.8	73.0
Full load package amps 208V/60HZ	60.3	60.3	60.3	60.3
Full load package amps 230V/60HZ				
Full load package amps 460V/60HZ				
Full load package amps 575V/60HZ				

FILTRATION AND LUBRICATION DATA

Air filter micron rating	5µm	5µm	5µm	5µm
Fluid filter micron rating	23µm	23µm	23µm	23µm
Fluid carryover (PPM)	<3	<3	<3	<3

COMPRESSOR COOLING FLUID DATA

Fluid capacity (A/C) (Gal)	7.4	7.4	7.4	7.4
Fluid capacity (W/C) (Gal)	N/A	N/A	N/A	N/A
Fluid normal life expectancy (HR)	8000	8000	8000	8000

PACKAGE INFORMATION

Discharge connections	NPT 2"	NPT 2"	NPT 2"	NPT 2"
Condensate connections	N/A	N/A	N/A	N/A
Cooling water connections	N/A	N/A	N/A	N/A
Length (in)	55	55	55	55
Width (in)	43	43	43	43
Height (in)	66	66	66	66
Weight (lbs) (A/C)	2315	2315	2315	2315

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)	Axial
Internal piping	Stainless steel

Effective 2-1-19