



# KAISHAN COMPRESSOR USA, LLC

## TECHNICAL DATA

KCA MODEL	KRSB40-115	KRSB40-125	KRSB40-150	KRSB40-175
<b>GENERAL DATA</b>				
ACFM	187	176	166	141
Full load pressure (psig)	115	125	150	175
Maximum pressure (psig)	125	135	160	185
Package KW at rated pressure (A/C)	37.0	36.7	37.4	34.0
Specific power KW/100 cfm (A/C)	19.8	20.9	22.5	24.1
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)	12.2	12.2	12.2	12.2
Control type			Load/unload	
Starter type			Wye Delta	
<b>AIR END DATA</b>				
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
<b>COOLING DATA (AIR)</b>				
Ambient temperature rating (min/max)			32/122	
Cooling fan capacity	4476	4476	4476	4476
Heat rejected (BTU/HR)	105400	105400	105400	105400
Max. static back pressure			6mmH2O	
Approach temperature	18	18	18	18
<b>COOLING DATA (WATER)</b>				
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
<b>SOUND LEVEL</b>				
Sound Level (A/C)	74	74	74	74
Sound Level (W/C)	N/A	N/A	N/A	N/A



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### ELECTRICAL DATA

			NEMA1	
			TEFC	
			F	
Electrical enclosure rating				
Enclosure type (drive and fan)				
Insulation class (drive and fan)				
Drive motor HP	40	40	40	40
Drive motor nominal speed(rpm)	3562	3562	3562	3562
Service Factor	1.15	1.15	1.15	1.15
Drive motor efficiency	93.1%	93.1%	93.1%	93.1%
Fan motor HP #1	1.0	1.0	1.0	1.0
Fan motor HP #2	N/A	N/A	N/A	N/A
Full load package amps 208V/60HZ	118.2	120.7	121.6	121.9
Full load package amps 230V/60HZ	106.9	107.5	107.8	107.3
Full load package amps 460V/60HZ	53.4	58.3	58.9	58.6
Full load package amps 575V/60HZ	47.6	47.6	47.6	47.6

### 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)	2293	2293	2293	2293

### 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 2-1-20