



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

KCA MODEL	KRSB/T 20-115	KRSB/T 20-125	KRSB/T 20-150	KRSB/T 20-175
GENERAL DATA				
ACFM	89.8	80.4	70.4	56.9
Full load pressure (psig)	115	125	150	175
Maximum pressure (psig)	125	135	160	185
Package KW at rated pressure (A/C)	19.1	17.6	17.7	19.8
Specific power KW/100 cfm (A/C)	21.3	21.9	25.1	34.8
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)	6.4	6.4	6.4	6.4
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	1855	1855	1855	1855
Heat rejected (BTU/HR)	53531	53531	53531	53531
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)	72	72	72	72
Sound Level (W/C)	N/A	N/A	N/A	N/A



TECHNICAL DATA

ELECTRICAL DATA

			NEMA1	
			TEFC	
			F	
Electrical enclosure rating				
Enclosure type (drive and fan)				
Insulation class (drive and fan)				
Drive motor HP	20	20	20	20
Drive motor nominal speed(rpm)	3550	3550	3550	3550
Service Factor	1.15	1.15	1.15	1.15
Drive motor efficiency	91.5%	91.5%	91.5%	91.5%
Fan motor HP #1	0.5	0.5	0.5	0.5
Fan motor HP #2	N/A	N/A	N/A	N/A
Full load package amps 208V/60HZ	63.1	63.4	63.6	63.9
Full load package amps 230V/60HZ	57.0	57.2	57.1	57.3
Full load package amps 460V/60HZ	28.5	28.8	28.9	28.8
Full load package amps 575V/60HZ	25.3	25.3	25.3	25.3

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)	3.2	3.2	3.2	3.2
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 Connection Base Mount (in)	NPT 1	NPT 1	NPT 1	NPT 1
Discharge Connection Tank Mount (in)	NPT 1	NPT 1	NPT 1	NPT 1
Discharge Connection Tank/Dryer Mount (in)	NPT 1	NPT 1	NPT 1	NPT 1
Dimensions Base Mount LxWxH	44x29x48	44x29x48	44x29x48	44x29x48
Dimensions Tank Mount LxWxH	68x31x77	68x31x77	68x31x77	68x31x77
Dimensions Tank/Dryer Mount LxWxH	71x31x77	71x31x77	71x31x77	71x31x77
Weight Base Mount (lbs)	1003	1003	1003	1003
Weight Tank Mount (lbs)	1223	1223	1223	1223
Weight Tank/Dryer Mount (lbs)	1293	1293	1293	1293

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