



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

KCA MODEL	KRSB/T 25-115	KRSB/T 25-125	KRSB/T 25-150	KRSB/T 25-175
GENERAL DATA				
ACFM	113.9	105.2	88.8	61.2
Full load pressure (psig)	115	125	150	175
Maximum pressure (psig)	125	135	160	185
Package KW at rated pressure (A/C)	24.3	22.9	21.8	21.3
Specific power KW/100 cfm (A/C)	21.3	21.8	24.5	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)	8.0	8.0	8.0	8.0
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	2827	2827	2827	2827
Heat rejected (BTU/HR)	68853	68853	68853	68853
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)	73	73	73	73
Sound Level (W/C)	N/A	N/A	N/A	N/A



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ELECTRICAL DATA

	NEMA1			
	TEFC			
	F			
Drive motor HP	25	25	25	25
Drive motor nominal speed(rpm)	3530	3530	3530	3530
Service Factor	1.15	1.15	1.15	1.15
Drive motor efficiency	92.0%	92.0%	92.0%	92.0%
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	79.4	79.6	79.7	80.2
Full load package amps 230V/60HZ	71.9	72.0	71.8	72.3
Full load package amps 460V/60HZ	35.9	36.0	36.2	36.1
Full load package amps 575V/60HZ	31.3	31.3	31.3	31.3

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)	4.2	4.2	4.2	4.2
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)	1102	1102	1102	1102
Weight Tank Mount (lbs)	1322	1322	1322	1322
Weight Tank/Dryer Mount (lbs)	1402	1402	1402	1402

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