



# KAISHAN COMPRESSOR USA, LLC

## TECHNICAL DATA

KCA MODEL	KRSB/T 7.5-115	KRSB/T 7.5-125	KRSB/T 7.5-150	KRSB/T 7.5-175
<b>GENERAL DATA</b>				
ACFM	25.2	23.8	20.6	16.3
Full load pressure (psig)	115	125	150	175
Maximum pressure (psig)	125	135	160	185
Package KW at rated pressure (A/C)	7.3	7.1	6.8	6.2
Specific power KW/100 cfm (A/C)	29.0	29.8	33.0	38.0
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)	2.4	2.4	2.4	2.4
Control type			Load/Unload	
Starter type			ACL	
<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	1178	1178	1178	1178
Heat rejected (BTU/HR)	20565	20565	20565	20565
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)	70	70	70	70
Sound Level (W/C)	N/A	N/A	N/A	N/A



# KAISHAN COMPRESSOR USA, LLC

## TECHNICAL DATA

### ELECTRICAL DATA

	NEMA1 TEFC F			
Electrical enclosure rating				
Enclosure type (drive and fan)				
Insulation class (drive and fan)				
Drive motor HP	7.5	7.5	7.5	7.5
Drive motor nominal speed(rpm)	3530	3530	3530	3530
Service Factor	1.15	1.15	1.15	1.15
Drive motor efficiency	89.7%	89.7%	89.7%	89.7%
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 230V/60HZ 1Phase	30.6	30.6	30.6	30.6
Full load package amps 208V/60HZ 3 Phase	23.0	23.0	23.0	23.0
Full load package amps 230V/60HZ 3 Phase	21.5	21.5	21.5	21.5
Full load package amps 460V/60HZ 3 Phase	10.4	10.4	10.4	10.4
Full load package amps 575V/60HZ 3 Phase	8.3	8.3	8.3	8.3

### 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)	1.7	1.7	1.7	1.7
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 .75	NPT .75	NPT .75	NPT .75
Discharge Connection Tank Mount (in)	NPT 1	NPT 1	NPT 1	NPT 1
Discharge Connection Tank/Dryer Mount (in)	NPT .50	NPT .50	NPT .50	NPT .50
Dimensions Base Mount 3PH LxWxH	33x21x37	33x21x37	33x21x37	33x21x37
Dimensions Tank Mount 3PH LxWxH	68x24x65	68x24x65	68x24x65	68x24x65
Dimensions Tank/Dryer Mount 3PH LxWxH	71x24x65	71x24x65	71x24x65	71x24x65
Unit Weight Base Mount 3PH (lbs)	507	507	507	507
Unit Weight Tank Mount 3PH (lbs)	727	727	727	727
Unit Weight Tank/Dryer Mount 3PH (lbs)	777	777	777	777
Dimensions Base Mount 1PH LxWxH	35x26x38	35x26x38	35x26x38	35x26x38
Dimensions Tank/Dryer Mount 1PH LxWxH	71x26x68	71x26x68	71x26x68	71x26x68
Unit Weight Base Mount 1PH (lbs)	617	617	617	617
Unit Weight Tank Mount 1PH (lbs)	837	837	837	837
Unit Weight Tank/Dryer Mount 1PH (lbs)	887	887	887	887