



# KAISHAN COMPRESSOR USA, LLC

## TECHNICAL DATA - VARIABLE SPEED COMPRESSORS

KCA MODEL	KRSD200-115V	KRSD200-125V	KRSD200-150V
<b>GENERAL DATA</b>			
ACFM	882	878	776
Full load pressure (psig)	115	125	150
Motor HP	200	200	200
<b>AIR END DATA</b>			
Air end model	Patented SKY 5/6 profile		
Number of thrust bearings (male/female)	2/2	2/2	2/2
Drive type	Direct	Direct	Direct
Bearing manufacturer	SKF only	SKF only	SKF only
<b>COOLING DATA (AIR)</b>			
Ambient temperature rating (min/max)	32/104	32/104	32/104
Max. static back pressure	6mmH2O	6mmH2O	6mmH2O
Cooling fan capacity	14126	14126	14126
Approach temperature	21.6	21.6	21.6
Heat rejected (BTU/HR)	400400	400400	400400
<b>COMPRESSOR CFM</b>			
COMPRESSOR CFM AT 100%	882	878	776
COMPRESSOR CFM AT 70%	613	610	543
COMPRESSOR CFM AT 60%	529	527	466
COMPRESSOR CFM AT 50%	441	439	388
COMPRESSOR CFM AT 40%	353	351	310
<b>COMPRESSOR PACKAGE KW</b>			
COMPRESSOR PACKAGE KW AT 100%	166.5	175.3	175.6
COMPRESSOR PACKAGE KW AT 70%	115.0	121.1	121.6
COMPRESSOR PACKAGE KW AT 60%	98.8	104.0	104.5
COMPRESSOR PACKAGE KW AT 50%	85.6	90.1	90.8
COMPRESSOR PACKAGE KW AT 40%	70.6	74.3	74.9
<b>COMPRESSOR SPECIFIC POWER</b>			
COMPRESSOR SPECIFIC POWER AT 100%	18.9	20.0	22.6
COMPRESSOR SPECIFIC POWER AT 70%	18.8	19.9	22.4
COMPRESSOR SPECIFIC POWER AT 60%	18.7	19.7	22.4
COMPRESSOR SPECIFIC POWER AT 50%	19.4	20.5	23.4
COMPRESSOR SPECIFIC POWER AT 40%	20.0	21.2	24.1



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### ELECTRICAL DATA

Electrical enclosure rating	NEMA1	NEMA1	NEMA1
Enclosure type (drive and fan)	TEFC	TEFC	TEFC
Insulation class (drive and fan)	F	F	F
Drive motor efficiency	96.2%	96.2%	96.2%
Service Factor	1.20	1.20	1.20
Fan motor HP #1	5.0	5.0	5.0

### FULL LOAD PACKAGE AMPS

Full load package amps 460V/60HZ	236	236	236
Full load package amps 575V/60HZ	179.0	179.0	179.0

### FILTRATION AND LUBRICATION DATA

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

### COMPRESSOR COOLING FLUID DATA

Fluid capacity (A/C) (Gal)	21.1	21.1	21.1
Fluid normal life expectancy (HR)	8000	8000	8000

### SOUND LEVEL

Sound Level (A/C)	79	79	79
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### PACKAGE INFORMATION

Discharge connections	NPS2.5	NPS2.5	NPS2.5
Condensate connections	N/A	N/A	N/A
Length (in)	107	107	107
Width (in)	55	55	55
Height (in)	67	67	67
Weight (lbs) (A/C)	6845	6845	6845
Estimated shipping weight (lbs)	7011	7011	7011

### PRODUCT FEATURES

Motor brand	Marathon or Weg
Starter and controls brand	Siemens or Schnieder
Variable speed drive	Yaskowa or Schnieder
Enclosure/Cabinet type	Low sound
Inlet filter type	Heavy duty
Cooling fan type (A/C)	Axial
Internal piping	Stainless steel