



# KAISHAN COMPRESSOR USA, LLC

## TECHNICAL DATA - VARIABLE SPEED COMPRESSORS

KCA MODEL	KRSD15-115V	KRSD15-125V	KRSD15-150V
<b>GENERAL DATA</b>			
ACFM	65	62	53
Full load pressure (psig)	115	125	125
Motor HP	15	15	15
<b>AIR END DATA</b>			
Air end model			
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	1412	1412	1412
Approach temperature	15	15	15
Heat rejected (BTU/HR)	38200	38200	38200
<b>COMPRESSOR CFM</b>			
COMPRESSOR CFM AT 100%	65	62	53
COMPRESSOR CFM AT 70%	45	43	37
COMPRESSOR CFM AT 60%	38	36	32
COMPRESSOR CFM AT 50%	32	31	27
COMPRESSOR CFM AT 40%	24	23	N/A
<b>COMPRESSOR PACKAGE KW</b>			
COMPRESSOR PACKAGE KW AT 100%	14.7	14.9	14.9
COMPRESSOR PACKAGE KW AT 70%	10.4	10.5	10.8
COMPRESSOR PACKAGE KW AT 60%	9.0	9.1	9.5
COMPRESSOR PACKAGE KW AT 50%	7.6	7.7	8.2
COMPRESSOR PACKAGE KW AT 40%	6.8	6.9	N/A
<b>COMPRESSOR SPECIFIC POWER</b>			
COMPRESSOR SPECIFIC POWER AT 100%	22.6	24.0	28.1
COMPRESSOR SPECIFIC POWER AT 70%	23.3	24.8	29.1
COMPRESSOR SPECIFIC POWER AT 60%	23.8	25.3	29.9
COMPRESSOR SPECIFIC POWER AT 50%	23.8	25.2	30.9
COMPRESSOR SPECIFIC POWER AT 40%	27.8	29.5	N/A



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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	91.5%	91.5%	91.5%
Service Factor	1.25	1.25	1.25
Fan motor HP #1	1.0	1.0	1.0

### FULL LOAD PACKAGE AMPS

Full load package amps 460V/60HZ	21	22	22
Full load package amps 575V/60HZ	17	17.0	17.0

### 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)	3.4	3.4	3.4
Fluid normal life expectancy (HR)	8000	8000	8000

### SOUND LEVEL

Sound Level (A/C)	73	73	73
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### PACKAGE INFORMATION

Discharge connections	NPT 1"	NPT 1"	NPT 1"
Condensate connections	N/A	N/A	N/A
Length (in)	51	51	51
Width (in)	31	31	31
Height (in)	43	43	43
Weight (lbs) (A/C)	1147	1147	1147
Estimated shipping weight (lbs)	1248	1248	1248

### 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