



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA - VARIABLE SPEED COMPRESSORS

KCA MODEL	KRSD25-115V	KRSD25-125V
GENERAL DATA		
ACFM	112	107
Full load pressure (psig)	115	125
Motor HP	25	25
AIR END DATA		
Air end model	Patented SKY 5/6 profile	
Number of thrust bearings (male/female)	2/2	2/2
Drive type	Direct	Direct
Bearing manufacturer	SKF only	SKF only
COOLING DATA (AIR)		
Ambient temperature rating (min/max)	32/104	32/104
Max. static back pressure	6mmH2O	6mmH2O
Cooling fan capacity	2354	2354
Approach temperature	15	15
Heat rejected (BTU/HR)	63667	63667
COMPRESSOR CFM		
COMPRESSOR CFM AT 100%	112	107
COMPRESSOR CFM AT 80%	90	86
COMPRESSOR CFM AT 70%	78	75
COMPRESSOR CFM AT 60%	67	64
COMPRESSOR CFM AT 50%	56	54
COMPRESSOR CFM AT 40%	45	43
COMPRESSOR PACKAGE KW		
COMPRESSOR PACKAGE KW AT 100%	23.5	23.6
COMPRESSOR PACKAGE KW AT 80%	20.2	20.9
COMPRESSOR PACKAGE KW AT 70%	18.0	19.3
COMPRESSOR PACKAGE KW AT 60%	16.7	17.3
COMPRESSOR PACKAGE KW AT 50%	14.8	14.9
COMPRESSOR PACKAGE KW AT 40%	12.2	13.0
COMPRESSOR SPECIFIC POWER		
COMPRESSOR SPECIFIC POWER AT 100%	21.0	22.1
COMPRESSOR SPECIFIC POWER AT 80%	22.4	24.3
COMPRESSOR SPECIFIC POWER AT 70%	23.1	25.7
COMPRESSOR SPECIFIC POWER AT 60%	24.9	27.0

COMPRESSOR SPECIFIC POWER AT 50%	26.4	27.6
COMPRESSOR SPECIFIC POWER AT 40%	27.1	30.2



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ELECTRICAL DATA

Electrical enclosure rating	NEMA1	NEMA1
Enclosure type (drive and fan)	TEFC	TEFC
Insulation class (drive and fan)	F	F
Drive motor efficiency	92.0%	92.0%
Service Factor	1.25	1.25
Fan motor HP #1	1.0	1.0

FULL LOAD PACKAGE AMPS

Full load package amps 460V/60HZ	35	35
Full load package amps 575V/60HZ	26	26

FILTRATION AND LUBRICATION DATA

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

COMPRESSOR COOLING FLUID DATA

Fluid capacity (A/C) (Gal)	3.4	3.4
Fluid normal life expectancy (HR)	8000	8000

SOUND LEVEL

Sound Level (A/C)	73	73
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PACKAGE INFORMATION

Discharge connections	NPT 1 1/4"	NPT 1 1/4"
Condensate connections	N/A	N/A
Length (in)	66	66
Width (in)	34	34
Height (in)	44	44
Weight (lbs) (A/C)	1433	1433
Estimated shipping weight (lbs)	1565	1565

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

Effective 12-22-19