



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA - VARIABLE SPEED COMPRESSORS

KCA MODEL	KRSD60-115V		KRSD60-125V
GENERAL DATA			
ACFM	290	276	235
Full load pressure (psig)	115	125	150
Motor HP	60	60	60
AIR END DATA			
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
COOLING DATA (AIR)			
Ambient temperature rating (min/max)	32/104	32/105	32/104
Max. static back pressure	6mmH2O	6mmH2O	6mmH2O
Cooling fan capacity	4473	4473	4473
Approach temperature	15.0	16.0	15.0
Heat rejected (BTU/HR)	158544	158544	158544
COMPRESSOR CFM			
COMPRESSOR CFM AT 100%	290	276	235
COMPRESSOR CFM AT 70%	203	193	165
COMPRESSOR CFM AT 60%	174	166	141
COMPRESSOR CFM AT 50%	145	138	118
COMPRESSOR CFM AT 40%	116	110	94
COMPRESSOR PACKAGE KW			
COMPRESSOR PACKAGE KW AT 100%	57.2	56.2	56.9
COMPRESSOR PACKAGE KW AT 70%	42.1	42.5	42.9
COMPRESSOR PACKAGE KW AT 60%	34.6	37.5	38.1
COMPRESSOR PACKAGE KW AT 50%	31.9	33.4	33.9
COMPRESSOR PACKAGE KW AT 40%	27.2	27.8	28.3
COMPRESSOR SPECIFIC POWER			
COMPRESSOR SPECIFIC POWER AT 100%	19.7	20.4	24.2
COMPRESSOR SPECIFIC POWER AT 70%	20.7	22.0	26.1
COMPRESSOR SPECIFIC POWER AT 60%	19.9	22.6	27.0
COMPRESSOR SPECIFIC POWER AT 50%	22.0	24.2	28.9
COMPRESSOR SPECIFIC POWER AT 40%	23.4	25.3	30.1



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ELECTRICAL DATA

	NEMA1		NEMA1
Electrical enclosure rating	TEFC	TEFC	TEFC
Enclosure type (drive and fan)	F	F	F
Insulation class (drive and fan)	93.6%	93.6%	93.6%
Drive motor efficiency	1.25	1.25	1.25
Service Factor	1.5	1.5	1.5
Fan motor HP #1			

FULL LOAD PACKAGE AMPS

Full load package amps 460V/60HZ	76	76	76
Full load package amps 575V/60HZ	68	69	68

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)	6.0	6.0	6.0
Fluid normal life expectancy (HR)	8000	8000	8000

SOUND LEVEL

Sound Level (A/C)	75	75	75
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PACKAGE INFORMATION

Discharge connections	NPT 2"	NPT 2"	NPT 2"
Condensate connections	N/A	N/A	N/A
Length (in)	81	81	81
Width (in)	46	46	46
Height (in)	71	71	71
Weight (lbs) (A/C)	3792	3792	3792
Estimated shipping weight (lbs)	3898	3898	3898

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