



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA - VARIABLE SPEED COMPRESSORS

KCA MODEL	KRSD25-115V	KRSD25-125V	KRSD25-150V
GENERAL DATA			
ACFM	112	107	94
Full load pressure (psig)	115	125	150
Motor HP	25	25	25
AIR END DATA			
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
COOLING DATA (AIR)			
Ambient temperature rating (min/max)	32/104	32/104	32/104
Max. static back pressure	6mmH2O	6mmH2O	6mmH2O
Cooling fan capacity	2354	2354	2354
Approach temperature	15	15	15
Heat rejected (BTU/HR)	63667	63667	63667
COMPRESSOR CFM			
COMPRESSOR CFM AT 100%	112	107	94
COMPRESSOR CFM AT 70%	78	75	66
COMPRESSOR CFM AT 60%	67	64	56
COMPRESSOR CFM AT 50%	56	54	47
COMPRESSOR CFM AT 40%	45	43	N/A
COMPRESSOR PACKAGE KW			
COMPRESSOR PACKAGE KW AT 100%	23.5	23.6	23.8
COMPRESSOR PACKAGE KW AT 70%	18.0	19.3	19.6
COMPRESSOR PACKAGE KW AT 60%	16.7	17.3	17.6
COMPRESSOR PACKAGE KW AT 50%	14.8	14.9	15.3
COMPRESSOR PACKAGE KW AT 40%	12.2	13.0	N/A
COMPRESSOR SPECIFIC POWER			
COMPRESSOR SPECIFIC POWER AT 100%	21.0	22.1	25.3
COMPRESSOR SPECIFIC POWER AT 70%	23.1	25.7	29.8
COMPRESSOR SPECIFIC POWER AT 60%	24.9	27.0	31.2
COMPRESSOR SPECIFIC POWER AT 50%	26.4	27.6	32.6
COMPRESSOR SPECIFIC POWER AT 40%	27.1	30.2	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	92.0%	92.0%	92.0%
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 208V/60HZ*	80	80	80
Full load package amps 230V/60HZ*	72	72	72
Full load package amps 460V/60HZ	35	35	35
Full load package amps 575V/60HZ	26	26	26
* 208V and 230V use an isolation transformer with an output of 460V			
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
PACKAGE INFORMATION			
Discharge connections	NPT 1 1/4"	NPT 1 1/4"	NPT 1 1/4"
Condensate connections	N/A	N/A	N/A
Length (in)	66	66	66
Width (in)	34	34	34
Height (in)	44	44	44
Weight (lbs) (A/C)	1433	1433	1433
Estimated shipping weight (lbs)	1565	1565	1565
PRODUCT FEATURES			
Motor brand	Baldor 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