

KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA

| KCA MODEL | KRSD50-115 | | KRSD50-125 |
|---|------------|--------------------------|------------|
| GENERAL DATA | | | |
| ACFM | 237 | | 233 |
| Full load pressure (psig) | 115 | | 125 |
| Maximum pressure (psig) | 125 | | 135 |
| Package KW at rated pressure (A/C) | 46.0 | | 48.3 |
| Specific power KW/100 cfm (A/C) | 19.4 | | 20.7 |
| Package KW at rated pressure (W/C) | N/A | | N/A |
| Specific power KW/100 cfm (W/C) | N/A | | N/A |
| Motor HP at full load | , 55.5 | | 58.3 |
| Unloaded power (KW) | 13.8 | | 13.8 |
| Control type | | Modulation | |
| Starter type | | Wye Delta | |
| | | | |
| AIR END DATA | | | |
| Air end model | | Patented SKK 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) | | 32/122 | |
| Cooling fan capacity | 4473 | 32/122 | 4473 |
| Heat rejected (BTU/HR) | 128400 | | 128400 |
| Max. static back pressure | 120.00 | 6mmH2O | 120.00 |
| Approach temperature | 15 | S25 | 15 |
| | | | |
| COOLING DATA (WATER) | | | |
| Type of heat exchangers | | N/A | |
| Cooling fan capacity (cfm) | N/A | | N/A |
| Approach temperature | N/A | | N/A |
| Heat rejected into cooling water (BTU/HR) | N/A | | N/A |
| Heat rejected into cooling air (BTU/HR) | N/A | | N/A |
| Maximum outlet temperature | N/A | | N/A |
| Maximum inlet temperature | N/A | | N/A |
| Minimum cooling water flow (F) | N/A | | N/A |
| Water pressure drop (psi) | N/A | | N/A |
| SOUND LEVEL | | | |
| Sound Level (A/C) | 74 | | 74 |
| | | | |



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TECHNICAL DATA

| | ICA | | |
|--|-----|--|--|
| | | | |

| Electrical enclosure rating | NEN | MA1 |
|-----------------------------------|--------|--------|
| Enclosure type (drive and fan) | TE | FC |
| Insulation class (drive and fan) | F | F |
| Drive motor HP | 50 | 50 |
| Drive motor nominal speed(rpm) | 3565 | 3565 |
| Drive motor efficiency | 93.5% | 93.5% |
| Service Factor | 1.25 | 1.25 |
| Fan motor HP #1 | 1.0 | 1.0 |
| Fan motor HP #2 | N/A | N/A |
| Full load package amps 230V/60HZ | 151 | 167 |
| Full load package amps 460V/60HZ | 76 | 83 |
| Full load package amps 575V/60HZ | 65 | 68 |
| 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) | 6 | 6 |
| Fluid normal life expectency (HR) | 8000 | 8000 |
| PACKAGE INFORMATION | | |
| Discharge connections | NPT 2" | NPT 2" |
| Condensate connections | NI/A | N/A |

| Discharge connections | NPT 2" | NPT 2" |
|---------------------------------|--------|--------|
| Condensate connections | N/A | N/A |
| Length (in) | 70 | 70 |
| Width (in) | 40 | 40 |
| Heigth (in) | 52 | 52 |
| Weight (lbs) (A/C) | 2234 | 2234 |
| Estimated shipping weight (lbs) | 2271 | 2271 |

PRODUCT FEATURES

| Motor brand | Marathon or Weg |
|----------------------------|----------------------|
| Starter and controls brand | Siemens or Schnieder |
| Enclosure/Cabinet type | Low sound |
| Inlet filter type | Heavy Duty |
| Phase monitor | Standard |
| Cooling fan type (A/C) | Axial |
| Internal piping | Stainless steel |

Effective 3-30-20