



KAISHAN COMPRESSOR USA, LLC

TECHNICAL DATA - VARIABLE SPEED COMPRESSORS

KCA MODEL	KPB-120-87	KPB-120-100	KPB-120-115	KPB-120-130	KPB120-150
GENERAL DATA					
ACFM	154	146	139	124	113
Rated Pressure-psi	87	100	115	130	150
Work Pressure Range - psi			87-150		
Motor HP			30		
Lubricant Type			KTL-8000		
Compressor Oil Capacity - L			33		
Compressor Stages			1		
AIR END DATA					
Air end model			SKY 84		
Drive type			Direct		
Bearing manufacturer			SKF only		
COOLING DATA (AIR)					
Ambient temperature rating (min**/max)			46/112		
Cooling fan capacity (cfm)			2450		
Approach temperature			Less Aftercooler Standard		
Heat rejected (BTU/HR)			76431		
Fan Motor HP			0.5		
Battery and Charger Information					
Battery Type			LFP (Lithium Iron Phosphate) Batteries		
Charging Connector Style			IEC 62196 Type 2		
Battery run time at full load at rated pressure			3.5h		
Amp draw at 460V			58A		
Batter Nominal Energy Capacity (kWh)			93		
Nopminal voltage (V)			307		
Capacity (Ah)			304		
Max Continuous Power			30.7 kW		
Max Discharge Current			100A		
Max Charging rate			30kW		
Charging time 20% to 80%			2 hours 30 minutes		
Charging time 0% to 100%			4 hours		
Battery degradation Rate			0.3		
Life cycle of battery			>2,000*		

* Charge at 1/3C(A) in 20°C±5°C to 80%soc. Discharge at 0.5C(A) to terminalcondition.

** Optional cold weather package for -25C/-13F requires cold weather option



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KCA MODEL	KPB-120-87	KPB-120-100	KPB-120-115	KPB-120-130	KPB1250-150
ELECTRICAL DATA					
Insulation class (drive and fan)			F		
Drive motor efficiency			95.9%		
Service Factor			1.20		
Efficiency Level			IE5		
Fan motor HP #1			0.5		
Fan motor Speed			1400 RPM		
FILTRATION AND LUBRICATION DATA					
Air filter micron rating			5µm		
Fluid filter micron rating			23µm		
Fluid carryover (PPM)			<3		
SOUND LEVEL					
Sound Level (dba)			70		
PACKAGE INFORMATION					
Discharge connections			3" DN20		
Tire Size			ST225/75R15		
Length (in/mm)			3765		
Width (in/mm)			1630		
Height (in/mm)			1670		
Weight (lbs) (A/C)			3810		
Max Speed on Running Gear*** (mph)			75		

*** Running Gear is not DOT approved

***Please note running gear is not DOT approved and should be job site towed only.

Effective 3/1/2026