

WORLD CLASS · EFFICIENCY · RELIABILITY

k|p|e

KAISHAN PORTABLE ELECTRIC





Kaishan's headquarters for supporting the Americas is located in Loxley, Alabama. The company has made a significant investment in a 130,000-square-foot facility valued at \$26 million.



KAISHAN GROUP GLOBAL PRESENCE

70+
YEARS
IN BUSINESS

**OVER
70,000**
COMPRESSORS
SOLD ANNUALLY

3RD LARGEST
COMPRESSOR MANUFACTURER
IN THE WORLD

KPE SERIES COMPRESSORS – VERSATILE OUTPUT FOR DEMANDING APPLICATIONS

Engineered for harsh, demanding environments where conventional rental equipment and stationary compressors fall short, the KPE portable electric compressor delivers dependable performance without compromise. That same durability allows it to transition seamlessly into temporary backup or permanent clean-site installations. With intuitive controls and a single machine capable of delivering a wide range of CFM and pressure settings, the KPE provides unmatched versatility without added complexity—effectively replacing the performance range of multiple traditional machines with one adaptable solution.



*KPE Series "best in class"
rotor assembly*

**5 YEAR
AIREND
WARRANTY**

WORLD CLASS ENGINEERING

INTERNATIONALLY PATENTED KPE AIR END DEVELOPED EXCLUSIVELY BY KAISHAN ENGINEERS

Continuous improvement has increased efficiency by more than 20% over earlier models

- **Direct drive (1:1 ratio) motor and air end** operate at slow speed
- **Low part load energy consumption**
- **Steady system pressure** lowers system stress and overall air demand
- **Decreased energy consumption** delivers environmentally friendly savings
- **Quadruple SKF bearings** for durability and reliability
- **5 / 6 rotor profile** creates optimal performance while reducing energy consumption
- **Very tight tolerances** provide maximum efficiency
- **Direct flow inlet valve** provides reliable capacity control



KPE Series patented air end

FILTRATION

High-efficiency inlet filtration system with integrated pre-separation. Dual-core technology ensures superior performance in harsh and dirty operating environments. **Coalesting and Particular** filters are standard and internal of the package.

**316 STAINLESS STEEL
CONTROL TUBING**

- Long Tubing Life / Reduced Downtime**
- Increased reliability due to corrosion-free material
 - Material such as nylon, copper or mild steel will fail in time causing downtime

**ADVANCED COOLING.
MAXIMUM PERFORMANCE**

Closed-loop liquid cooling keeps the VSD running reliably in the toughest environments—where traditional systems fall short. The same cooling system protects the main motor, boosting efficiency and extending equipment life.



EASY SETUP

Get up and running quickly. After positioning and leveling the unit, connect power via cam-lock connectors and attach your air hose to the main discharge line or utilize the ¾" Chicago fitting for immediate operation using pneumatic tools.

SERVICEABILITY

Engineered for simplified maintenance, the KPE offers external access to all drain ports through its frame. The main motor utilizes dual automatic greasers on both front and rear bearings, minimizing manual maintenance. A lowered separator design and roof-access service door improve service accessibility. A fully sealed base provides 125% fluid containment capacity.

COOLING

Oversized coolers are mounted on vibration isolators to minimize vibration-related stress and protect critical components, making the unit well-suited for rental fleets and applications requiring frequent transport.

PORTABILITY

Designed for easy transport, the KPE unit includes a built-in lift point for job site placement. It can be configured with a skid and drag bar for on-site movement or equipped with an optional DOT-approved trailer for over-the-road transport.

VERSATILITY

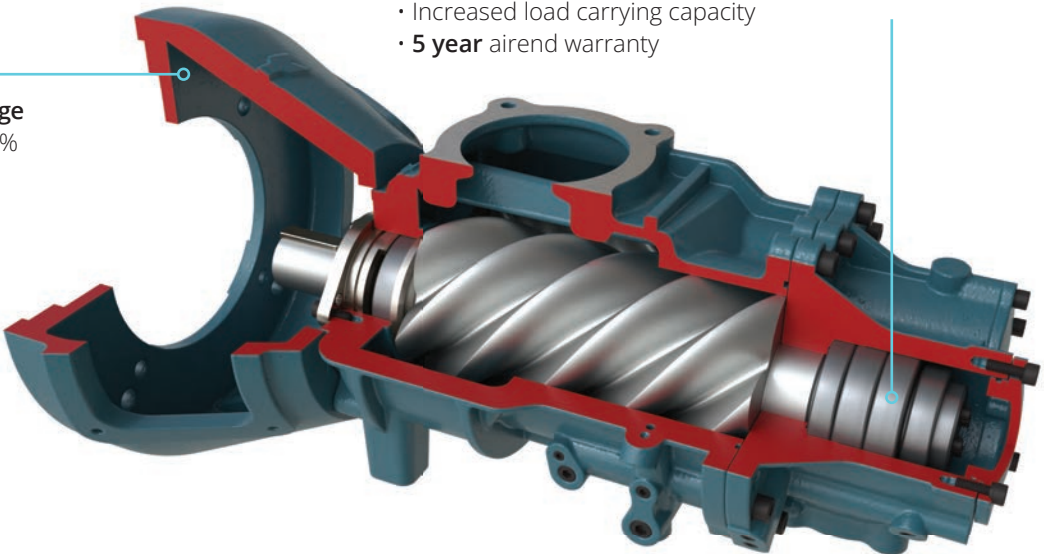
The KPE series features a NEMA 4 enclosure with an integrated cold-weather package for dependable low-temperature operation. Engineered for ambient temperatures up to 50°C, it delivers reliable performance across a wide range of harsh environmental conditions.

QUADRUPLE DISCHARGE BEARINGS

- Longer Bearing Life / Quieter Operation**
- The "SKY" series direct drive air ends use four discharge bearings to absorb radial and axial loads
 - Longer bearing life under all operating conditions
 - Increased load carrying capacity
 - **5 year** airend warranty

'SKY' SERIES AIR END

- Maximum Output with Less Energy Usage**
- Asymmetric 5 / 6 rotor profile with 100% SKF bearings
 - KAPP Grinder rotor technology for tighter clearances and world class efficiency and performance
 - Precision machined bell housing to maintain rigid alignment





Kaishan AirWatch

Our cloud-based compressor monitoring software provides real-time data analytics and trending on your Kaishan machines at your fingertips.

- Simple interface, easy to use and read
- Receive alerts and updates about status, health, and performance
- Quickly view analytics on duty cycles, airflow, pressure, power, and servicing intervals



KPE - KAISHAN PORTABLE ELECTRIC - VARIABLE SPEED

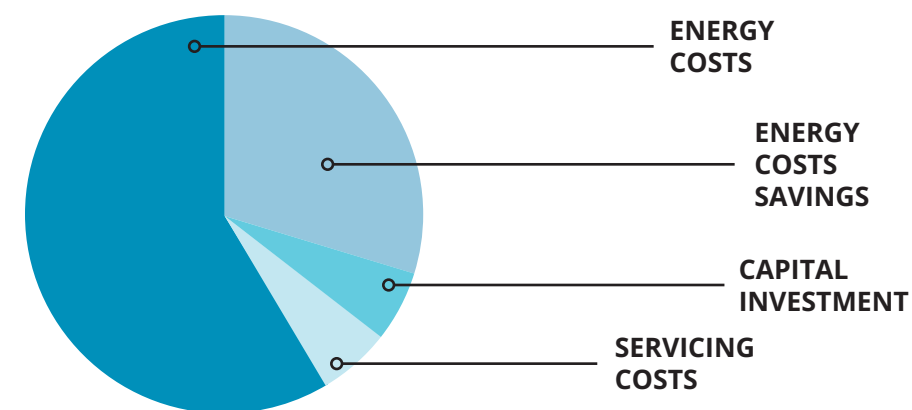
MODEL	POWER		FLOW (CFM / M3/min)		SOUND	WEIGHT		DIMENSIONS (LxWxH)		Outlet
	HP	kW	100 psi	7 bar	dBA	lbs	kgs	in	mm	Base
KPE-375	75	55				Coming Soon in Q4 of 2026				
	HP	kW	100 psi	7 bar	dBA	lbs	kgs	in	mm	Base
KPE-600	125	90	643	18.20	76	TBD	TBD	126x57x70	3200x1450x1765	3" NPT-M
			115 psi	8 bar						
			607	17.20						
			125 psi	8.6 bar						
			586	16.60						
			150 psi	10 bar						
			509	14.40						
190 psi	13 bar									
			452	12.80						
	HP	kW	100 psi	7 bar	dBA	lbs	kgs	in	mm	Base
KPE-900	200	160	834	23.62	76	7800	3541.2	126x57x70	3200x1450x1765	3" NPT-M
			115 psi	8 bar						
			821	23.25						
			125 psi	8.6 bar						
			810	22.94						
			150 psi	10 bar						
			749	21.21						
190 psi	13 bar									
			623	17.64						
	HP	kW	100 psi	7 bar	dBA	lbs	kgs	in	mm	Base
KPE-1600	350	260	1765	50.00	81	TBD	TBD	160x75x81	4050x1900x2050	4" NPT-M
			115 psi	8 bar						
			1654	46.80						
			125 psi	8.6 bar						
			1596	45.20						
			150 psi	10 bar						
			1450	41.10						
190 psi	13 bar									
			1261	35.70						

VARIABLE SPEED DRIVE TECHNOLOGY BUILT FOR REAL-WORLD CONDITIONS

The KPE Series features advanced variable speed drive (VSD) technology designed to perform reliably in demanding environments. Its **closed-loop, liquid-cooled VSD** isolates critical electronics from dirt, dust, and heat—conditions that commonly compromise traditional air-cooled drives. By eliminating contamination from the cooling path, the KPE drive maintains consistent performance and long-term reliability in harsh operating conditions.



Housed within a **NEMA 4 control enclosure**, the VSD allows precise control of power draw, enabling the compressor to be programmed to limit horsepower for lower-demand applications. Integrated harmonic filtering protects the main motor and electrical components from VSD-generated electrical noise. Combined with its sealed enclosure and liquid-cooled design, the KPE Series is ideally suited for rental fleets, temporary installations, and applications where conventional VSD stationary compressors struggle to perform reliably.



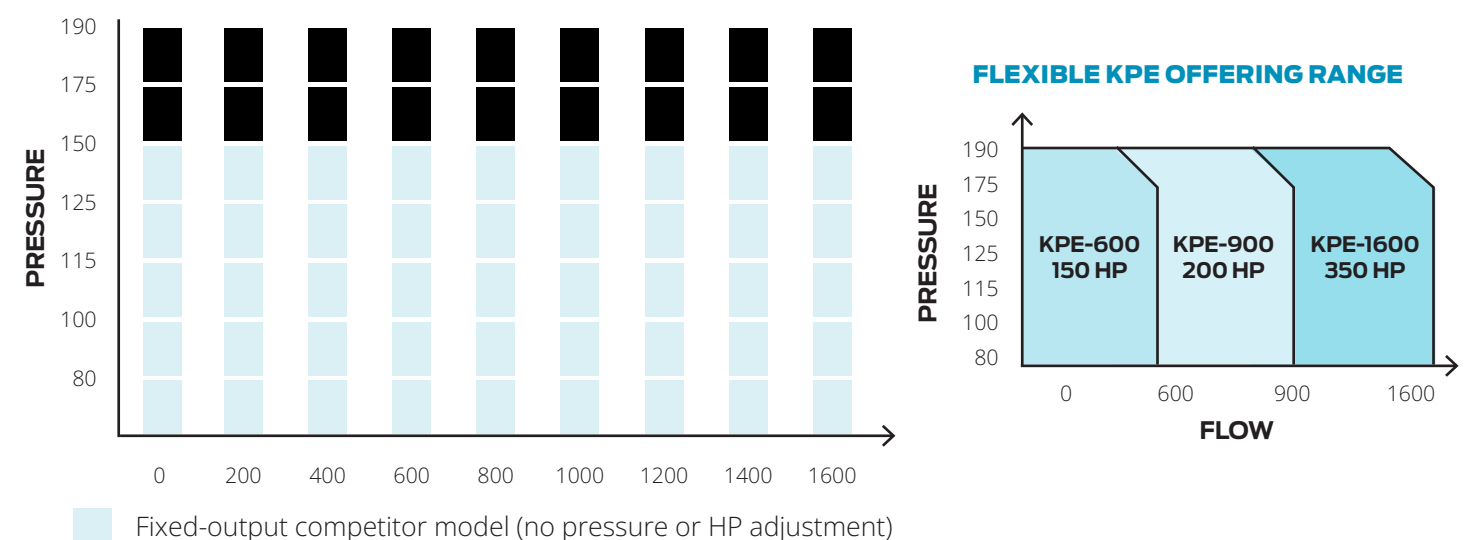
KPE Series Variable Speed Drive

Variable Speed Drive

The variable speed drive used in KPE compressors are renowned for:

- Efficient and reliable service
- Worldwide support

KPE Series VSD Rotary Screw Compressor operating at 70% load compared to a fixed speed model.



One KPE model reduces capital costs and maximizes fleet utilization by enabling full control of horsepower, flow, and pressure—from 80 to 190 psi—all from a single unit.



MODEL	COMPRESSOR TYPE	FEATURES
KPB	Kaishan Portable Battery	Battery powered, zero-emission, ultra quiet compressor
KRSD	15-200 HP Single Stage	Direct drive, TEFC motor, low sound enclosure
KRSP	40-500 HP Single Stage	Patented 'SKY' air end, quadruple SKF bearings
KRSP2	30-500 HP Two Stage	Global leader in air compressor efficiency
KROF	Oil Free Rotary Screw	Two Stage Rotary Screw Oil Free
KRSV	Rotary Screw Vacuum Pump	World class vacuum efficiency
KRSL	Single Stage Low Pressure	Pressure as low as 45 PSI
KPE	Kaishan Portable Electric	Mobile Compressor for harsh environments



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