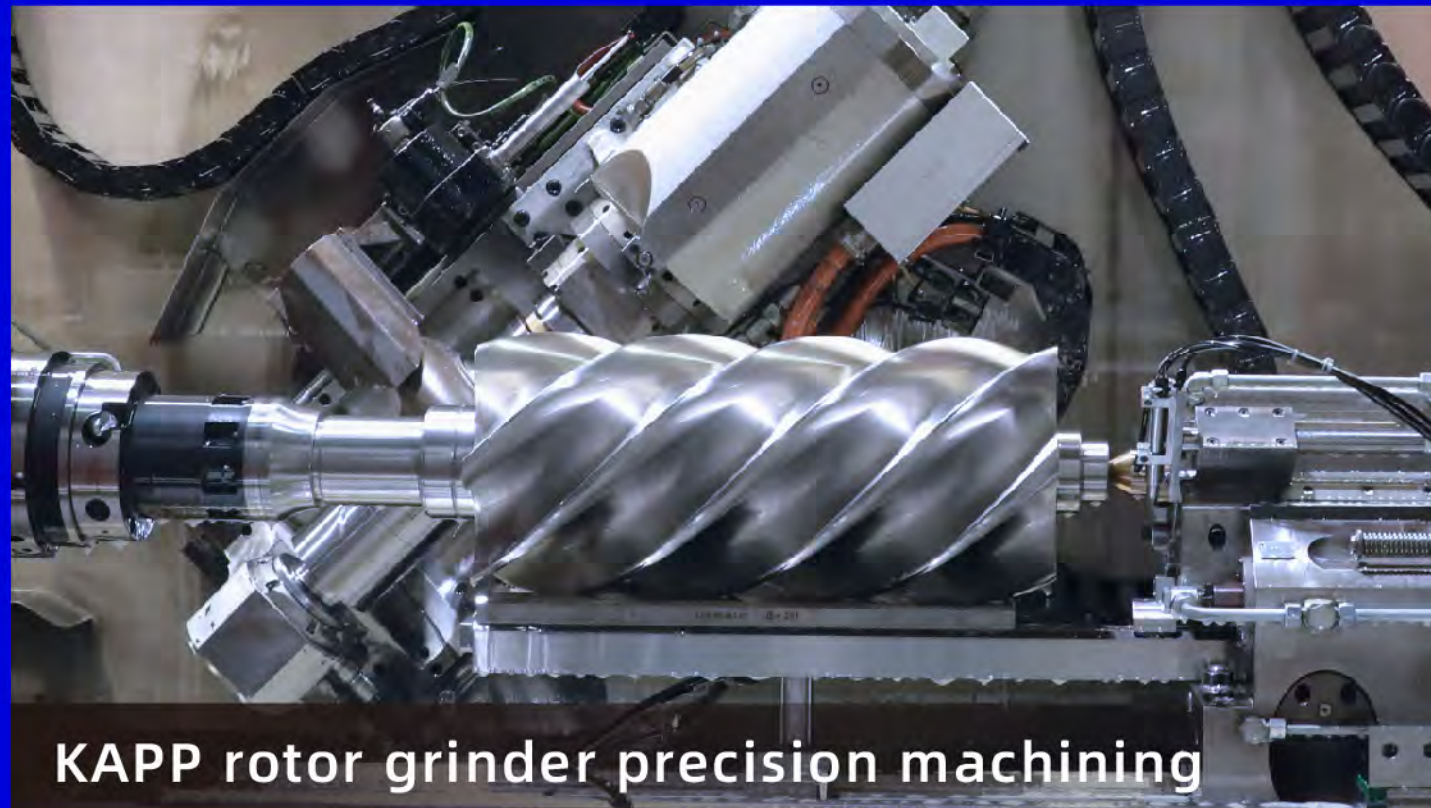


The core components are
85% patented
High precision integrated
coordination



4: 6 Rotary screw rotor profile

Through in-depth analysis of energy saving demand and continuous optimization of product structure, the technical team of Xinlei continuously upgraded the rotor profile with years of technical accumulation. The profile adopts a 4:6 rotating screw rotor, which makes the speed of the male rotor 50% faster than that of the female rotor. The transmission leakage is smaller and the efficiency is higher.



KAPP rotor grinder precision machining

Oil free twin-screw host

The oil-free twin-screw host provides **oil-free and dust-free** pure compressed air. Optimized profile design, more efficient. Food grade PTFE (polytetraethylene) coating can reduce air loss and improve efficiency. The air is compressed internally, **saving energy up to 30%**.



High efficiency permanent magnet motor

The rotor has no slip, no electric excitation, no fundamental wave iron and copper loss and less heat generation, reducing the loss of stator current and stator resistance. Its efficiency is **5% - 8%** higher than that of asynchronous motor with the same capacity.



Nodular cast iron rotor

High strength, high axle load capacity, direct coupling and belt drive. The high-quality Teflon coating technology on the rotor surface makes the rotor gap smaller, improves the volumetric efficiency, protects the rotor, and has a **longer service life**.



INNOVATION

WHOLE STRUCTURE

WHOLE STRUCTURE

OIL FREE SCREW BLOWER

Highly integrated/portable

Small size, light weight, special structure design, quick disassembly and installation of the whole machine, convenient installation.

Special silencer

- The noise is as low as 73-85dB (A);
- Precision filter is adopted for intake air, with accuracy up to 15UM and pressure loss ≤ 500 PA.



High efficiency frequency converter

- The inverter of well-known brand is adopted, with high stability and reliability;
- Back capacitance, protection equipment;
- Soft start, precise operation, high safety performance.

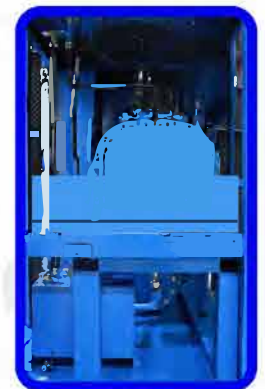
Efficient host

- Oil free twin-screw host, the compressed air is oil-free;
- 4: 6 Optimized profile design of rotating screw rotor, more efficient;
- Unique split cylinder design;
- Advanced coating, corrosion resistance and long service life;
- The air is compressed internally, saving energy up to 30%.



Oil system

- Advanced oil system design integrates oil pump, oil cooler and filter;
- Low oil temperature, long service life of bearings and gears.



Intelligent operation panel

- Touch screen monitoring the real-time equipment operation;
- Intelligent remote control;
- Automatic fault alarm can analyze the cause of fault.



COMPREHENSIVE ADVANTAGES

Energy-saving, stable and reliable

- Compared with traditional Roots blower, it can save energy by 15-30%
- Strong adaptability to working conditions, no surge, and flow hardly changes with pressure
- Low pressure pulse, stable exhaust. Pressure rise up to 150Kpa

Box type integrated design

- No need for embedded foundation, simple installation
- Pipeline sealing design, zero leakage of medium
- Forced circulating lubrication cooling system, more reliable

Clean, oil-free and lower noise

- Spiral seal+carbon ring seal, realizing zero leakage of medium and ensuring 100% oil-free air
- The aerodynamic noise of the spiral rotor is small. Stable gas output, noise ≤ 80dB

Simple operation and intelligent control

- Internet of Things remote control, remote debugging and adjustment of equipment operating conditions

Oil free screw blower

- Power: 7.5-160kW
- Pressure: 0.3-1.5bar

Low volume working condition, performance ceiling

Built for low voltage applications



TECHNICAL PARAMETER

Host Model	Speed (rpm)	Exhaust pressure (kPa)	30	40	50	60	70	80	90
XLG90V	3000	Air flow (m³/min)	3.6	3.4	3.2	3.0	2.8	2.7	2.5
		Motor power (kW)	5.5	5.5	5.5	5.5	7.5	7.5	7.5
	3500	Air flow (m³/min)	4.4	4.2	4.0	3.9	3.8	3.6	3.4
		Motor power (kW)	5.5	5.5	7.5	7.5	7.5	11.0	11.0
	4000	Air flow (m³/min)	5.3	5.1	5.0	4.8	4.6	4.5	4.3
		Motor power (kW)	5.5	7.5	7.5	7.5	11.0	11.0	11.0
	4500	Air flow (m³/min)	6.2	6.0	5.8	5.7	5.6	5.4	5.3
		Motor power (kW)	5.5	7.5	7.5	11.0	11.0	11.0	11.0
	5000	Air flow (m³/min)	7.1	7.0	6.8	6.6	6.4	6.3	6.1
		Motor power (kW)	7.5	7.5	11.0	11.0	11.0	15.0	15.0
	5500	Air flow (m³/min)	8.3	7.8	7.6	7.5	7.3	7.2	7.0
		Motor power (kW)	7.5	11.0	11.0	11.0	15.0	15.0	15.0
6000	Air flow (m³/min)	8.9	8.7	8.6	8.4	8.3	8.1	8.0	
	Motor power (kW)	11.0	11.0	11.0	15.0	15.0	15.0	15.0	
6500	Air flow (m³/min)	9.8	9.6	9.4	9.2	9.1	9.0	8.8	
	Motor power (kW)	11.0	11.0	15.0	15.0	15.0	15.0	18.5	

Host Model	Speed (rpm)	Exhaust pressure (kPa)	90	100	110	120	130	140	150
XLG90VFL	3000	Air flow (m³/min)	2.6	2.5	2.4	2.3	2.2	2.1	2.0
		Motor power (kW)	7.5	7.5	11	11	11	11	11
	3500	Air flow (m³/min)	3.5	3.4	3.3	3.2	3.1	3.0	2.9
		Motor power (kW)	11.0	11.0	11.0	11.0	11.0	15.0	15.0
	4000	Air flow (m³/min)	4.4	4.3	4.2	4.1	4.0	3.9	3.8
		Motor power (kW)	11.0	11.0	11.0	15.0	15.0	15.0	15.0
	4500	Air flow (m³/min)	5.4	5.3	5.2	5.1	5.0	4.9	4.8
		Motor power (kW)	11.0	11.0	15.0	15.0	15.0	15.0	18.5
	5000	Air flow (m³/min)	6.2	6.1	6.0	5.9	5.8	5.7	5.6
		Motor power (kW)	11.0	15.0	15.0	15.0	15.0	18.5	18.5
	5500	Air flow (m³/min)	7.1	7.0	6.9	6.8	6.7	6.6	6.5
		Motor power (kW)	15.0	15.0	15.0	18.5	18.5	18.5	22.0
6000	Air flow (m³/min)	8.0	7.9	7.8	7.7	7.6	7.5	7.4	
	Motor power (kW)	15.0	15.0	18.5	18.5	22.0	22.0	22.0	
6500	Air flow (m³/min)	8.8	8.7	8.6	8.5	8.4	8.3	8.2	
	Motor power (kW)	15.0	18.5	18.5	22.0	22.0	22.0	22.0	

TECHNICAL PARAMETER

Host Model	Speed (rpm)	Exhaust pressure (kPa)	30	40	50	60	70	80	90
XLG124V	2000	Air flow (m³/min)	8.9	8.6	8.3	7.9	7.6	7.3	7.0
		Motor power (kW)	7.5	11.0	11.0	11.0	15.0	15.0	15.0
	2500	Air flow (m³/min)	11.8	11.4	11.2	10.6	10.5	10.2	10.1
		Motor power (kW)	11.0	11.0	15.0	15.0	15.0	18.5	18.5
	3000	Air flow (m³/min)	15.0	14.7	14.3	14.0	13.9	13.6	13.3
		Motor power (kW)	11.0	15.0	15.0	18.5	18.5	22.0	22.0
	3500	Air flow (m³/min)	17.9	17.8	17.5	17.2	16.9	16.8	16.5
		Motor power (kW)	15.0	15.0	18.5	22.0	22.0	30.0	30.0
	4000	Air flow (m³/min)	21.0	20.8	20.5	20.3	20.0	19.9	19.6
		Motor power (kW)	15.0	18.5	22.0	22.0	30.0	30.0	30.0
	4500	Air flow (m³/min)	24.1	23.8	23.5	23.2	23.0	22.8	22.6
		Motor power (kW)	18.5	22.0	30.0	30.0	30.0	37.0	37.0
	5000	Air flow (m³/min)	26.9	26.7	26.5	26.1	25.9	25.7	25.5
		Motor power (kW)	22.0	30.0	30.0	30.0	37.0	37.0	45.0
	5500	Air flow (m³/min)	29.7	29.5	29.3	29.2	28.9	28.6	28.3
		Motor power (kW)	30.0	30.0	30.0	37.0	37.0	45.0	45.0

Host Model	Speed (rpm)	Exhaust pressure (kPa)	90	100	110	120	130	140	150
XLG124VFL	2000	Air flow (m³/min)	6.9	6.7	6.5	6.3	6.1	5.9	5.7
		Motor power (kW)	15.0	18.5	18.5	22.0	22.0	22.0	30.0
	2500	Air flow (m³/min)	9.5	9.2	9.0	8.8	8.6	8.3	8.0
		Motor power (kW)	22.0	22.0	22.0	30.0	30.0	30.0	30.0
	3000	Air flow (m³/min)	12.6	12.4	12.2	12.0	11.8	11.5	11.2
		Motor power (kW)	30.0	30.0	30.0	30.0	30.0	37.0	37.0
	3500	Air flow (m³/min)	16.0	15.8	15.6	15.3	15.1	14.8	14.6
		Motor power (kW)	30.0	30.0	37.0	37.0	37.0	45.0	45.0
	4000	Air flow (m³/min)	19.0	18.8	18.6	18.4	18.2	18.0	17.8
		Motor power (kW)	37.0	37.0	37.0	45.0	45.0	45.0	55.0
	4500	Air flow (m³/min)	22.1	21.9	21.7	21.5	21.3	21.1	20.8
		Motor power (kW)	37.0	45.0	45.0	45.0	55.0	55.0	55.0
	5000	Air flow (m³/min)	25.1	24.9	24.7	24.5	24.3	24.1	23.9
		Motor power (kW)	45.0	45.0	55.0	55.0	55.0	55.0	75.0
	5500	Air flow (m³/min)	28.0	27.8	27.6	27.4	27.2	27.0	26.8
		Motor power (kW)	45.0	55.0	55.0	55.0	75.0	75.0	75.0

TECHNICAL PARAMETER

Host Model	Speed (rpm)	Exhaust pressure (kPa)	30	40	50	60	70	80	90
XLG165V	2000	Air flow (m³/min)	20.6	20.3	20.0	19.7	19.4	18.9	18.5
		Motor power (kW)	18.5	22	22	30	30	37	37
	2200	Air flow (m³/min)	23.8	23.5	23.2	22.8	22.4	22.0	21.5
		Motor power (kW)	18.5	22	30	30	30	37	37
	2500	Air flow (m³/min)	27.9	27.6	27.3	26.9	26.4	25.9	25.5
		Motor power (kW)	22	30	30	37	37	37	45
	2800	Air flow (m³/min)	32.3	32.0	31.7	31.3	30.8	30.3	29.8
		Motor power (kW)	30	30	37	37	45	45	55
	3000	Air flow (m³/min)	34.6	34.3	33.9	33.5	33.0	32.5	32.0
		Motor power (kW)	30	37	37	45	45	55	55
	3200	Air flow (m³/min)	37.4	37.1	36.8	36.5	36.0	35.6	35.1
		Motor power (kW)	30	37	45	45	55	55	55
	3500	Air flow (m³/min)	41.4	41.1	40.8	40.4	40.0	39.4	38.9
		Motor power (kW)	37	37	45	55	55	55	75
	4000	Air flow (m³/min)	47.5	47.2	46.9	46.6	46.0	45.6	45.1
		Motor power (kW)	45	45	55	55	75	75	75
4500	Air flow (m³/min)	54.0	53.7	53.4	53.0	52.5	52.0	51.4	
	Motor power (kW)	45	55	75	75	75	75	90	

Host Model	Speed (rpm)	Exhaust pressure (kPa)	90	100	110	120	130	140	150
XLG165VFL	2000	Air flow (m³/min)	18.1	17.8	17.4	17.0	16.7	16.4	16.2
		Motor power (kW)	37.0	45	45	45	55	55	55
	2200	Air flow (m³/min)	21.0	20.6	20.2	19.8	19.5	19.2	19.0
		Motor power (kW)	45.0	45	45	55	55	55	55
	2500	Air flow (m³/min)	24.8	24.3	24.0	23.5	23.2	22.8	22.7
		Motor power (kW)	45	55	55	55	55	75	75
	2800	Air flow (m³/min)	28.9	28.6	28.2	27.9	27.5	27.1	26.9
		Motor power (kW)	55	55	75	75	75	75	75
	3000	Air flow (m³/min)	31.3	31.1	30.8	30.5	30.0	29.8	29.5
		Motor power (kW)	55	75	75	75	75	75	90
	3200	Air flow (m³/min)	34.2	33.9	33.5	33.2	33.0	32.7	32.3
		Motor power (kW)	75	75	75	75	75	90	90
	3500	Air flow (m³/min)	38.3	38.1	37.7	37.3	37.0	36.6	36.2
		Motor power (kW)	75	75	75	75	90	90	90
	4000	Air flow (m³/min)	44.4	44.1	43.8	43.4	43.2	42.9	42.5
		Motor power (kW)	75	90	90	90	110	110	110
4500	Air flow (m³/min)	50.6	50.3	50.1	49.8	49.4	49.2	48.8	
	Motor power (kW)	90	90	110	110	110	110	132	

TECHNICAL PARAMETER

Host Model	Speed (rpm)	Exhaust pressure (kPa)	30	40	50	60	70	80	90
XLG203	1800	Air flow (m³/min)	35.3	34.7	34.3	33.6	33.0	32.8	32.0
		Motor power (kW)	30	37	37	45	55	55	55
	2000	Air flow (m³/min)	40.0	39.2	38.3	37.9	37.5	37.0	36.4
		Motor power (kW)	37	37	45	55	55	75	75
	2200	Air flow (m³/min)	45.0	44.3	43.7	43.1	42.6	41.9	41.4
		Motor power (kW)	37	45	55	55	75	75	75
	2400	Air flow (m³/min)	49.5	48.9	48.4	47.8	47.2	47.6	46.9
		Motor power (kW)	45	55	55	75	75	75	90
	2600	Air flow (m³/min)	54.4	53.8	53.2	52.6	52.0	51.8	51.1
		Motor power (kW)	45	55	75	75	75	90	90
	2800	Air flow (m³/min)	59.2	58.6	58.0	57.4	56.7	56.1	55.4
		Motor power (kW)	55	55	75	75	90	90	90
	3000	Air flow (m³/min)	63.5	62.8	62.2	61.7	60.9	60.5	59.9
		Motor power (kW)	55	75	75	90	90	110	110
	3200	Air flow (m³/min)	67.7	67.0	66.3	65.8	65.0	64.7	64.3
		Motor power (kW)	55	75	75	90	90	110	110
	3400	Air flow (m³/min)	72.0	71.2	70.5	69.9	69.5	69.1	68.5
		Motor power (kW)	75	75	90	90	110	110	132
3600	Air flow (m³/min)	76.2	75.4	74.6	74.0	73.9	73.3	72.7	
	Motor power (kW)	75	75	90	110	110	110	132	
3800	Air flow (m³/min)	80.4	79.5	78.8	78.1	78.0	77.6	76.8	
	Motor power (kW)	75	90	90	110	110	132	132	

TECHNICAL PARAMETER

Host Model	Speed (rpm)	Exhaust pressure (kPa)	90	100	110	120	130	140	150
XLG203FL	1800	Air flow (m³/min)	32.7	32.3	31.9	31.4	31.0	30.6	30.2
		Motor power (kW)	75	75	75	75	75	90	90
	2000	Air flow (m³/min)	37.2	36.8	36.4	35.9	35.5	35.1	34.6
		Motor power (kW)	75	75	75	90	90	90	110
	2200	Air flow (m³/min)	41.9	41.6	41.1	40.7	40.3	39.8	39.4
		Motor power (kW)	75	75	90	90	90	110	110
	2400	Air flow (m³/min)	46.6	46.4	45.9	45.5	45.0	44.5	44.1
		Motor power (kW)	90	90	90	110	110	110	110
	2600	Air flow (m³/min)	51.6	51.1	50.7	50.3	49.8	49.3	48.8
		Motor power (kW)	90	90	110	110	110	132	132
	2800	Air flow (m³/min)	56.6	55.8	55.4	55.0	54.6	54.0	53.4
		Motor power (kW)	110	110	110	110	132	132	132
	3000	Air flow (m³/min)	60.6	60.1	59.5	58.9	58.5	58.1	57.7
		Motor power (kW)	110	110	132	132	132	132	160
	3200	Air flow (m³/min)	64.8	64.2	63.6	63.0	62.5	62.1	61.6
		Motor power (kW)	110	132	132	132	132	160	160
	3400	Air flow (m³/min)	68.9	68.4	67.7	67.0	66.6	66.1	65.6
		Motor power (kW)	132	132	132	160	160	160	160
3600	Air flow (m³/min)	73.2	72.6	71.8	71.1	70.6	70.1	69.6	
	Motor power (kW)	132	132	160	160	160	160	185	
3800	Air flow (m³/min)	77.4	76.7	75.9	75.2	74.7	74.2	73.6	
	Motor power (kW)	132	160	160	160	160	185	185	

