



SIMPLIFIED FLUID HANDLING



www.secohusa.com





About SECOH - FPZ

SECOH has been manufacturing oilless diaphragm linear pumps since its foundation in 1966. Secoh products are backed by experienced Research and Development and Product engineers to help you find or develop a product to meet your specific pneumatic requirements. We are especially proud of our lasting commitment to quality as each product that we manufacture is thoroughly tested to assure that our customers receive high quality products.

FPZ manufactures regenerative blowers and is Secoh's North American partner for linear compressors. FPZ provides local technical support and service and is backed by Secoh's manufacturing and technical expertise. Most models are stocked by FPZ in our Wisconsin facility.

Diaphragm Linear compressors

Secoh's worldwide reputation for quality and rugged construction of its products, has made Secoh diaphragm air compressors the technology of choice in harsh applications that require long life. Thanks to low internal pump temperatures, Secoh's diaphragm life has been extended resulting in longer pump life. JDK and EL series listed in the catalog are cUL listed for outdoor operation.



JDK -20-30-40



JDK - 60- 80-100 - 120



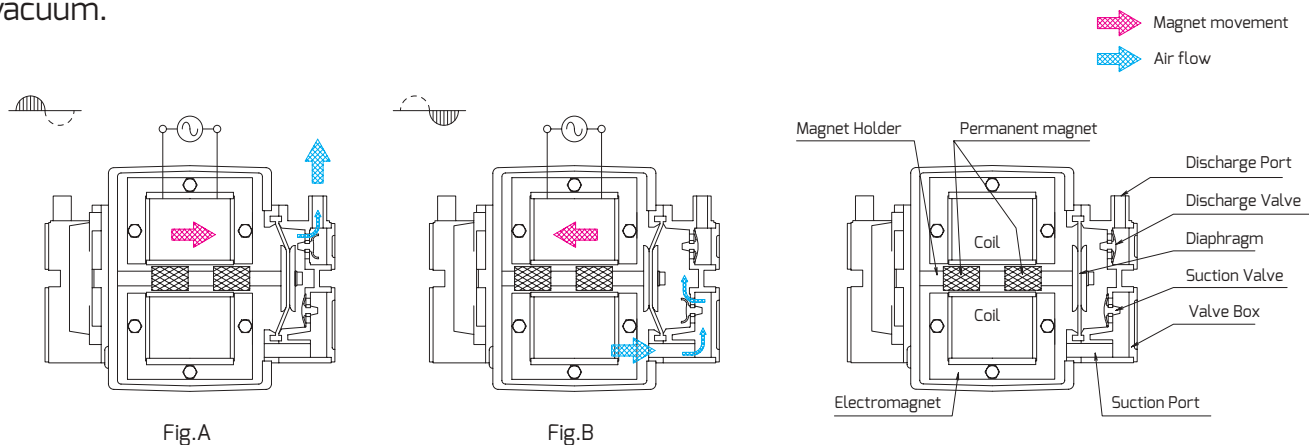
TKO



JDK with Alarm

Operating principle

The activated electromagnets put the magnet into oscillation movements. It moves first in the direction of the arrow in Fig. A and then in the direction of the arrow in Fig.B. The magnet, which moves back and forth between the electromagnets at the same frequency as that of the power supply changes the valve box volume, creating pressure or vacuum.



Advantages

SECOH diaphragm linear pumps have the following superior advantages.

- Completely Oil free
- Compact and light construction
- Low vibration
- Very little pulsation
- Low maintenance

Applications

Our oilless diaphragm linear pumps are used in a broad range of applications throughout the world. Typical applications for SECOH pumps include:

- Onsite wastewater treatment plant
- Air mattresses
- Aquaculture aeration
- Ink jet printers
- Circulation therapy
- Blood cuff monitors
- Air sampling/monitoring
- Liquid agitation
- Vacuum tweezers

Technical

Rated pressure: This is the recommended pressure to operate at to maximize pump life.
Max Pressure: It is recommended to not exceed the maximum pressure in continuous duty applications. Diaphragm life is reduced when operated above Max pressure.
Air flow: Air flow is measured at the rated pressure
Power: Input wattage at rated pressure

JDK-20-30-40



Technical Data

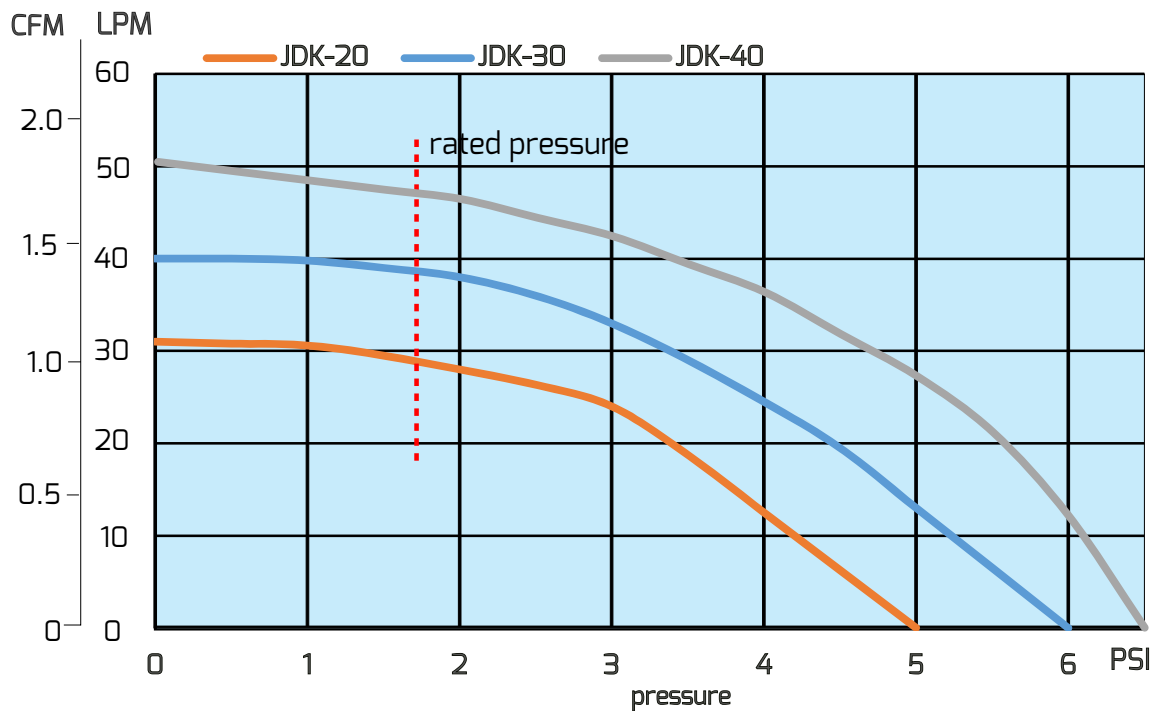
Model	Voltage AC	Frequency HZ	Outlet Diameter Inch / mm	Airflow*		Power* (Watts)	Sound dB(A)**	Min Pressure (PSI)	Rated Pressure (PSI)	Max Pressure (PSI)	Weight Lbs
				CFM	LPM						
JDK-20	110/115	50 /60	0.75 / 19	1.0	28	23	36	1.2	1.7	2.9	9.5
JDK-30	110/115	50 /60	0.75 / 19	1.3	38	35	38	1.2	1.7	2.9	9.5
JDK-40	110/115	50 /60	0.75 / 19	1.6	46	43	40	1.2	1.7	2.9	9.5

* Airflow and power measured at rated pressure

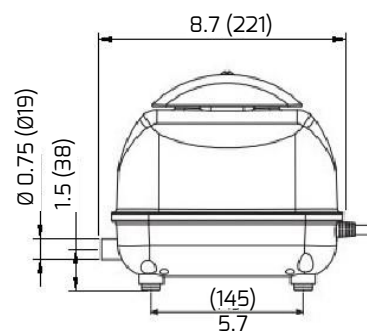
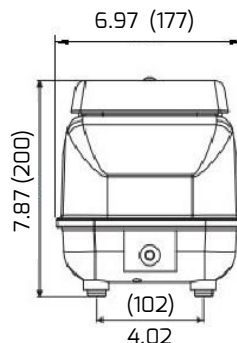
Specifications are subject to change without notice

**Sound measured at 1 M

Performance Curves



Dimensions Inches (mm)



Technical Data

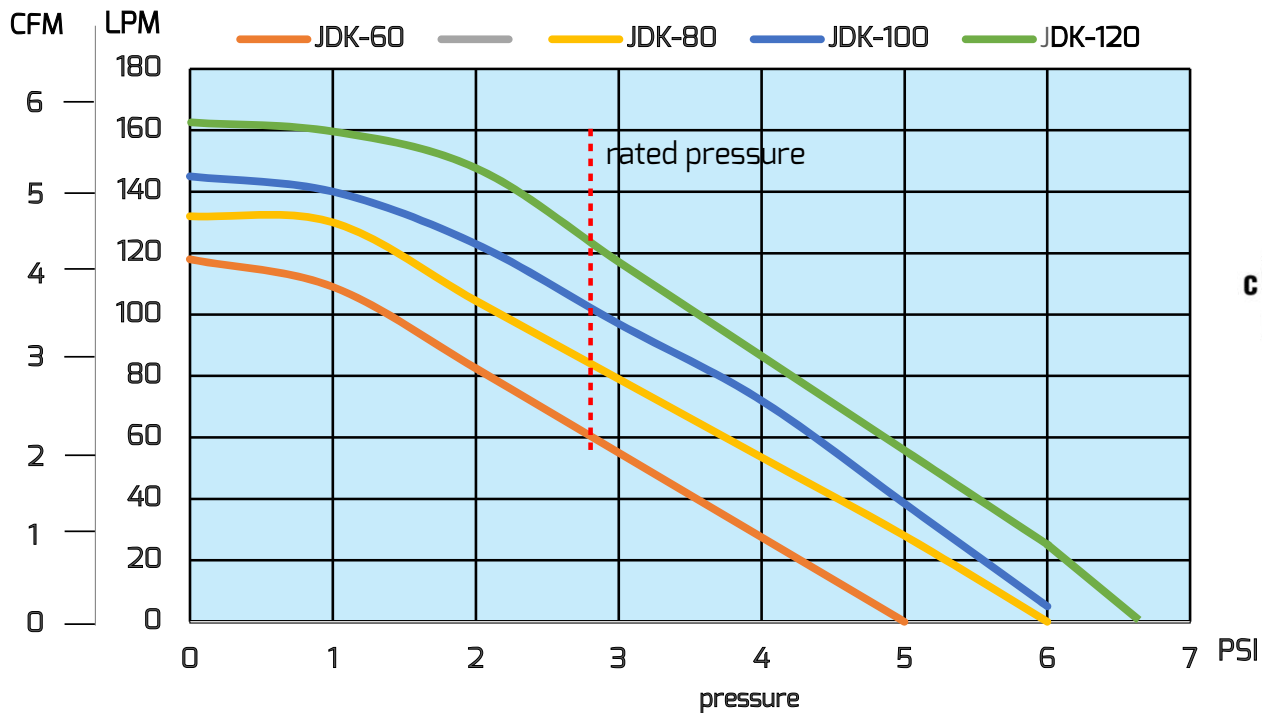
Model	Voltage AC	Frequency HZ	Outlet Diameter Inch / mm	Airflow*		Power* (Watts)	Sound dB(A)**	Min Pressure (PSI)	Rated Pressure (PSI)	Max Pressure (PSI)	Weight Lbs
				CFM	LPM						
JDK-60	120	60	0.75 / 19	2.3	65	45	36	1.5	2.9	3.6	14.3
JDK-80	120	60	0.75 / 19	3.0	85	65	38	1.5	2.9	3.6	14.3
JDK-100	120	60	0.75 / 19	3.5	100	80	44	1.5	2.9	3.6	14.3
JDK-120	120	60	0.75 / 19	4.2	120	100	46	1.5	2.9	3.6	14.3

* Airflow and power measured at rated pressure

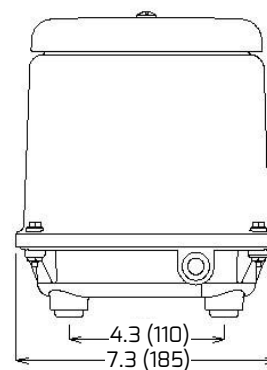
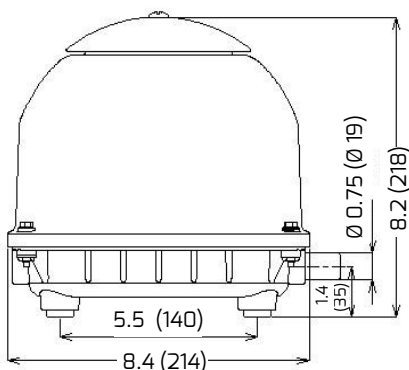
Specifications are subject to change without notice

**Sound measured at 1 M

Performance Curves



Dimensions Inches (mm)



Technical Data

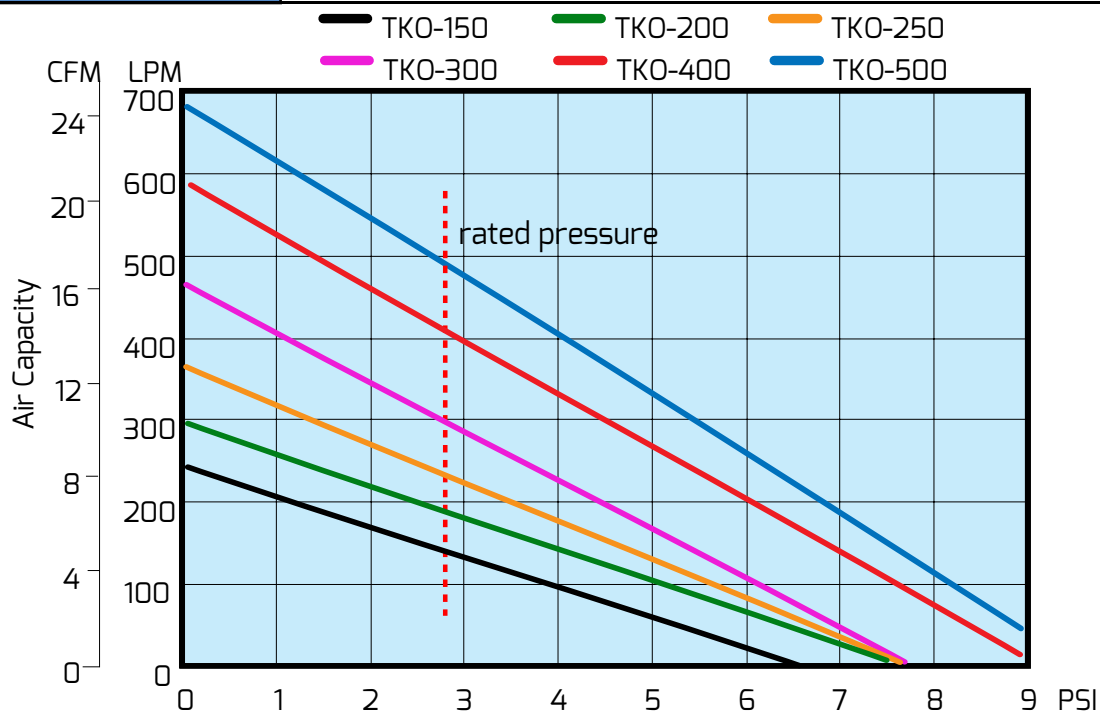
Model	Voltage AC	Frequency HZ	Outlet Diameter Inch / mm	Airflow*		Power* (Watts)	Sound dB(A)**	Min Pressure (PSI)	Rated Pressure (PSI)	Max Pressure (PSI)	Weight Lbs
				CFM	LPM						
TKO-150	120	60	1.0 / 26	5.3	150	125	44	2.2	2.9	3.6	22
TKO-200	120	60	1.0 / 26	7.1	200	185	46	2.2	2.9	3.6	22
TKO-250	120	60	1.0 / 26	8.8	250	250	48	2.2	2.9	3.6	22
TKO-300	120	60	1.06 / 27	10.6	300	250	52	2.2	2.9	3.6	40
TKO-400	120	60	1.06 / 27	14.1	400	380	54	2.2	2.9	3.6	40
TKO-500	120	60	1.06 / 27	17.7	500	500	56	2.2	2.9	3.6	40

* Airflow and power measured at rated pressure

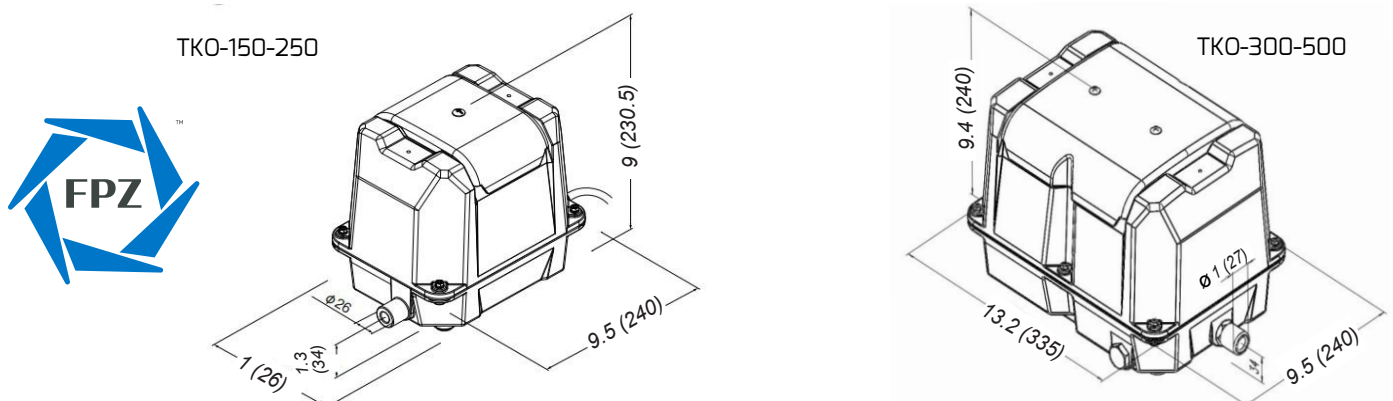
Specifications are subject to change without notice

**Sound measured at 1 M

Performance Curves



Dimensions Inches (mm)





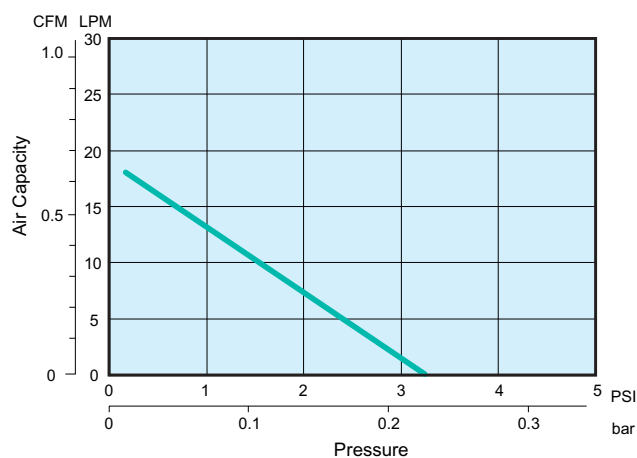
Data is subject to change without notice.

Specifications

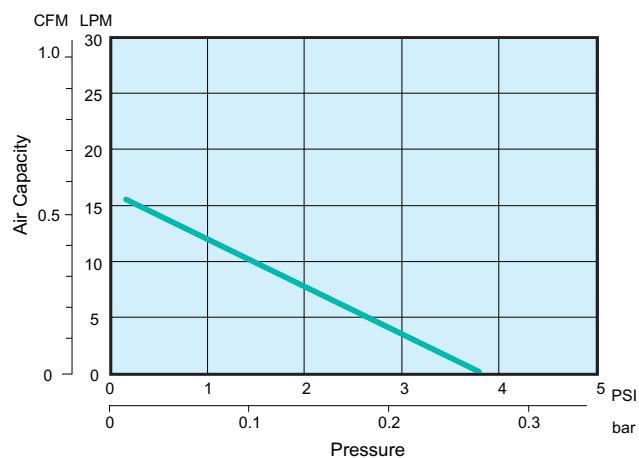
Model	Voltage	Frequency	Rated Pressure		Air flow		Power	Net weight	
	VAC	Hz	PSI	bar	CFM	LPM	W	lbs.	kg
MK-10	220	50	1.4	0.1	0.35	10	8	1.5	0.7
	115	60	1.4	0.1	0.35	10	8	1.5	0.7

Performance Curves

220V 50Hz

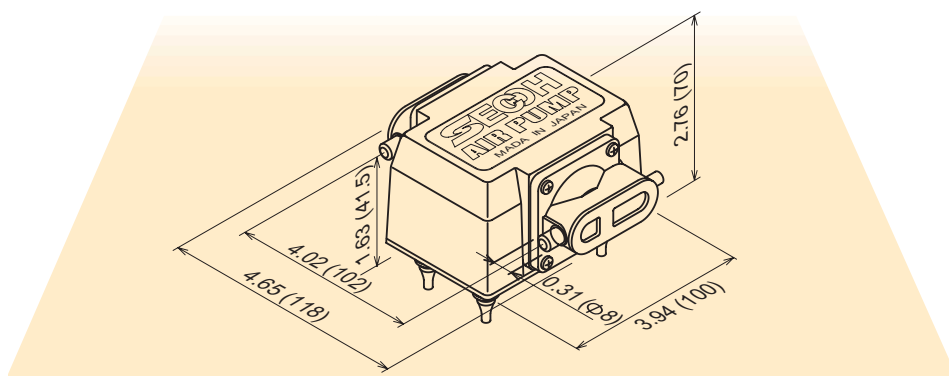


115V 60Hz



Dimensions (Inches)

Millimeters are in ()





2609

FPZ

Barcelona
España

HEADQUARTERS

FPZ S.p.A.

Concorezzo (MB)
Italy
info@fpz.com

FPZ, Inc

Saukville, Wisconsin
USA
usa@fpz.com

FPZ France S.a.r.l.

St. Priest
France
france@fpz.com

FPZ México/LA

México
mexico@fpz.com

FPZ UK

Andover, Hampshire
United Kingdom
uk@fpz.com

FPZ Austria & Germany

Krems
Austria
vertrieb@fpz.com