

OVERVIEW



# Product Line Overview

AIR MOTORS

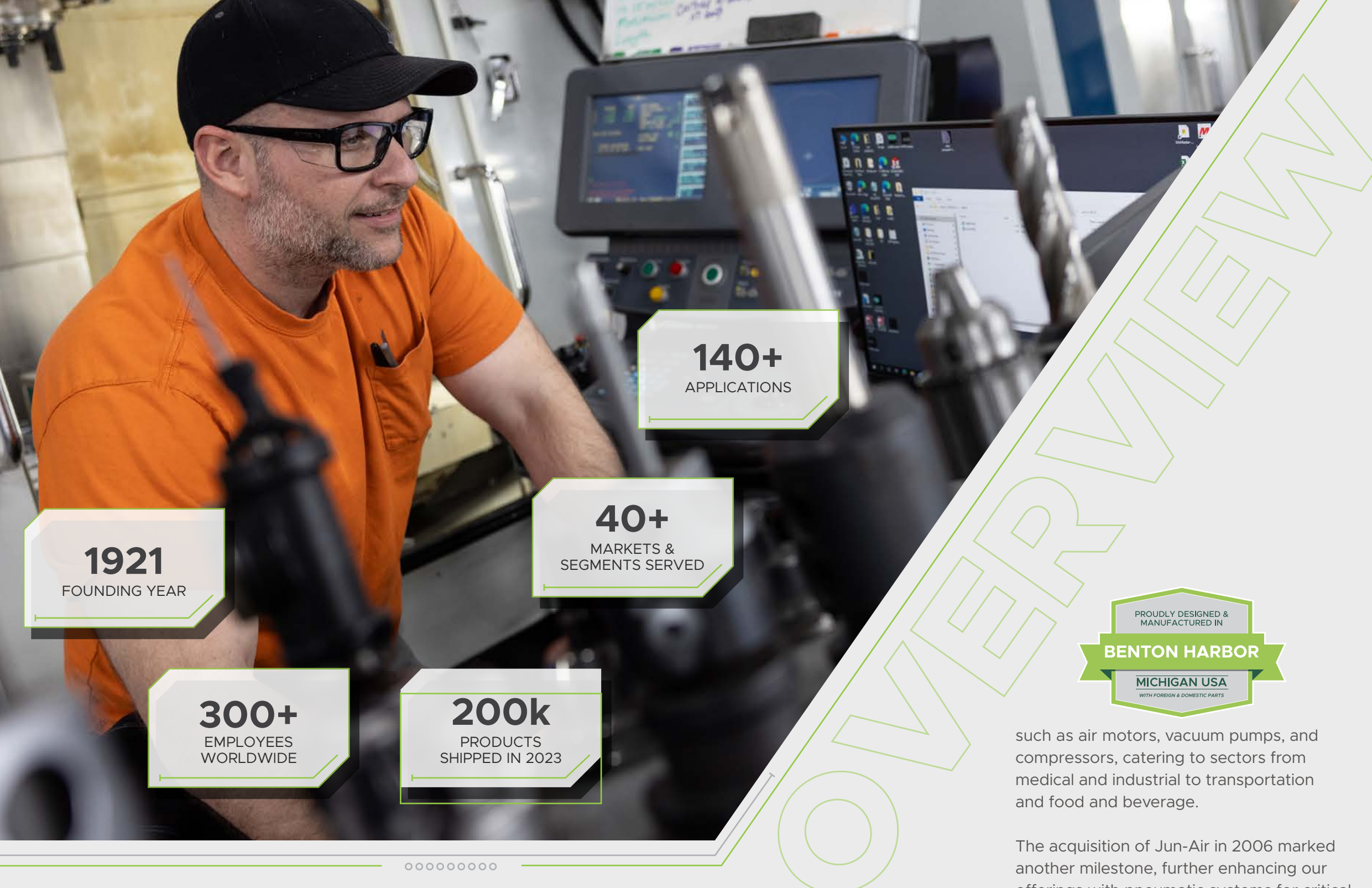
AIR COMPRESSORS

VACUUM PUMPS

TANK SYSTEMS



IN COLLABORATION WITH:



# OUR COMMITMENT

## QUALITY

Our products are a testament to advanced performance and durability, earning trust for use in critical applications where dependability is a must. With an easy-to-service design, they virtually eliminate downtime, ensuring continuous operation. Furthermore, the addition of dual-voltage motors not only enhances their versatility but also cements their status as some of the most adaptable offerings within the pneumatic industry.

## SINGLE-SOURCE PARTNER

We offer a full range of pumps and compressed air systems suitable for a myriad of applications, solidifying our status as a one-stop shop for all your needs. Our fully enclosed cabinet systems stand out with their clean, attractive designs and quieter operation, offering a plug-and-play solution that's ideal for environments where comfort is paramount.

## INTEGRATION ASSISTANCE AND CRITICAL CUSTOMER SUPPORT

We provide custom solutions that fit a customer's system and meet their requirements as well as a dedicated technical support team.

## LABORATORY AND TESTING PARTNERSHIP

Customers can share drawings or visit our lab, where we help optimize performance, conduct lab tests, or submit data regulatory certification—saving time and labor to make their products more efficient.

**140+**  
APPLICATIONS

**40+**  
MARKETS &  
SEGMENTS SERVED

**1921**  
FOUNDING YEAR

**300+**  
EMPLOYEES  
WORLDWIDE

**200k**  
PRODUCTS  
SHIPPED IN 2023

PROUDLY DESIGNED &  
MANUFACTURED IN  
**BENTON HARBOR**  
MICHIGAN USA  
WITH FOREIGN & DOMESTIC PARTS

such as air motors, vacuum pumps, and compressors, catering to sectors from medical and industrial to transportation and food and beverage.

The acquisition of Jun-Air in 2006 marked another milestone, further enhancing our offerings with pneumatic systems for critical instrument air applications and cementing our role as innovators in the global market.

Today, with robust international operations in Europe and Asia, Gast's impact and opportunities continue to expand. At the heart of our identity lies a commitment to innovation, customer service, and our integrated role in powering the world.

Gast has driven industrial progress for over a century, embedding our innovative solutions in systems and equipment vital to everyday life.

From our origins in 1921 in Bridgman, Michigan, as manufacturers of rotary vane technologies used in insecticide sprayers, Gast has grown and evolved through generations of family leadership and pivotal moments.

In 1998, Gast joined IDEX, shifting from a private company to a public one after 77 years. Since then, we've established ourselves as leaders in pneumatic products



# PERFORMANCE OVERVIEW

## PRODUCT LINE CATEGORIES



### ROCKING PISTON

#### FEATURES

- Oil-less
- Quiet operation
- Lightweight
- Corrosion resistant

PRESSURE		VACUUM		AIR FLOW	
175 PSig	12 BAR	29.5 inHg	14 mbar	12 CFM	18.7 m <sup>3</sup> /H



### JUN-AIR SYSTEMS

#### FEATURES

- Oil-less & Lubricated
- Quiet operation
- Instantaneous supply of pressure/vacuum

PRESSURE		AIR FLOW	
116 PSig	8 BAR	9 CFM	255 lpm



### PISTON

#### FEATURES

- Oil-less
- Rugged construction
- Corrosion resistant

PRESSURE		VACUUM		AIRFLOW	
125 PSig	8.8 BAR	28.5 inHg	48 mbar	11 CFM	18.7 m <sup>3</sup> /H



### DIAPHRAGM

#### FEATURES

- Oil-less
- Quiet operation
- Compact, lightweight
- High efficiency
- Corrosion resistant

PRESSURE		VACUUM		AIR FLOW	
60 PSig	4.2 BAR	29 inHg	31 mbar	3.8 CFM	6.5 m <sup>3</sup> /H



### ROTARY VANE

#### FEATURES

- Oil-less or lubricated
- Low vibration
- Pulse-free air delivery
- Extra quiet AT Series

PRESSURE		VACUUM		AIR FLOW	
15 PSig	1.0 BAR	28 inHg	65 mbar	55 CFM	93.5 m <sup>3</sup> /H



### REGENERATIVE BLOWERS

#### FEATURES

- Oil-less
- Mount in any position
- Continuous, non-pulsating air flow

PRESSURE		VACUUM		AIR FLOW	
125 PSig	311.05 BAR	120 inH <sub>2</sub> O	300 mbar	1350 CFM	2294 m <sup>3</sup> /H



### AIR MOTORS/GEAR MOTORS

#### FEATURES

- Variable speed
- Non-electrical sparking
- Cool running
- Compact, portable
- Mount in any position

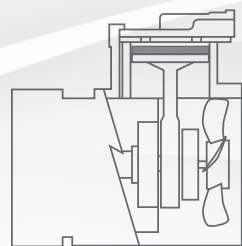
AIR MOTOR		VARIABLE SPEEDS		GEAR MOTOR MAX TORQUE	
9.5 HP	7.1 kW	10,000 RPM		1650 lb. in.	190 Nm

# ROCKING PISTON



## FUNCTION

In a reciprocating motion, a flexible cup mounted on top of the connecting rod creates vacuum or pressure as the cup maintains a seal against the cylinder walls in a rocking motion.



PRESSURE		VACUUM		AIR FLOW	
175	12	29.5	14	12	18.7
PSI <sub>g</sub>	BAR	inHg	mbar	CFM	m <sup>3</sup> /H

## SPECIFICATIONS

Model/Series	Power Rating		Free Air Flow			Maximum Pressure			Maximum Vacuum	
	hp	kW	CFM	m <sup>3</sup> /h	DC	PSI	BAR	DC	Hg	mbar
LOA (PSC)	1/16	0.05	0.5	0.85	-	100	6.89	-	26	880.5
LOA (DC)	1/10	0.07	-	-	0.6	-	6.89	100	27.5	931.3
LAA	1/6	0.12	1.5	2.55	-	-	-	-	28.5	965.1
71R	3/4	0.56	4.4	7.48	-	100	6.89	-	27.5	931.3
71R HIGH PRESSURE	3/4	0.56	2.2	3.74	-	175	12.07	-	-	-
72R	3/4	0.56	6.2	10.53	-	50	3.45	-	28	948.2
86R	1/8-1/2	.09-.37	3.8	6.46	-	125	8.62	-	27.5	931.3
86R SSP	1/4	0.19	1.4	2.38	-	125	8.62	-	-	-
86R SSV	1/4	0.19	1.4	2.38	-	125	8.62	-	26.2	887.2
87R	1/4-1/2	.18/.37	5.2	8.83	3.2	125	8.62	125	29.2	988.8
87R SSP	1/2	0.37	4.9	8.33	-	125	8.62	-	-	-
87R SSV	1/2	0.37	4.9	8.33	-	125	8.62	-	28	948.2
106R	3/4	0.56	5.5	9.34	-	145	10.00	-	27.5	931.3
106 HIGH PRESSURE	3/4	0.56	2.7	4.59	-	175	12.07	-	-	-
120R	2	1.49	12	20.39	-	145	10.00	-	27.5	931.3
120R SSP	2	1.49	10.5	17.84	-	135	9.31	-	-	-

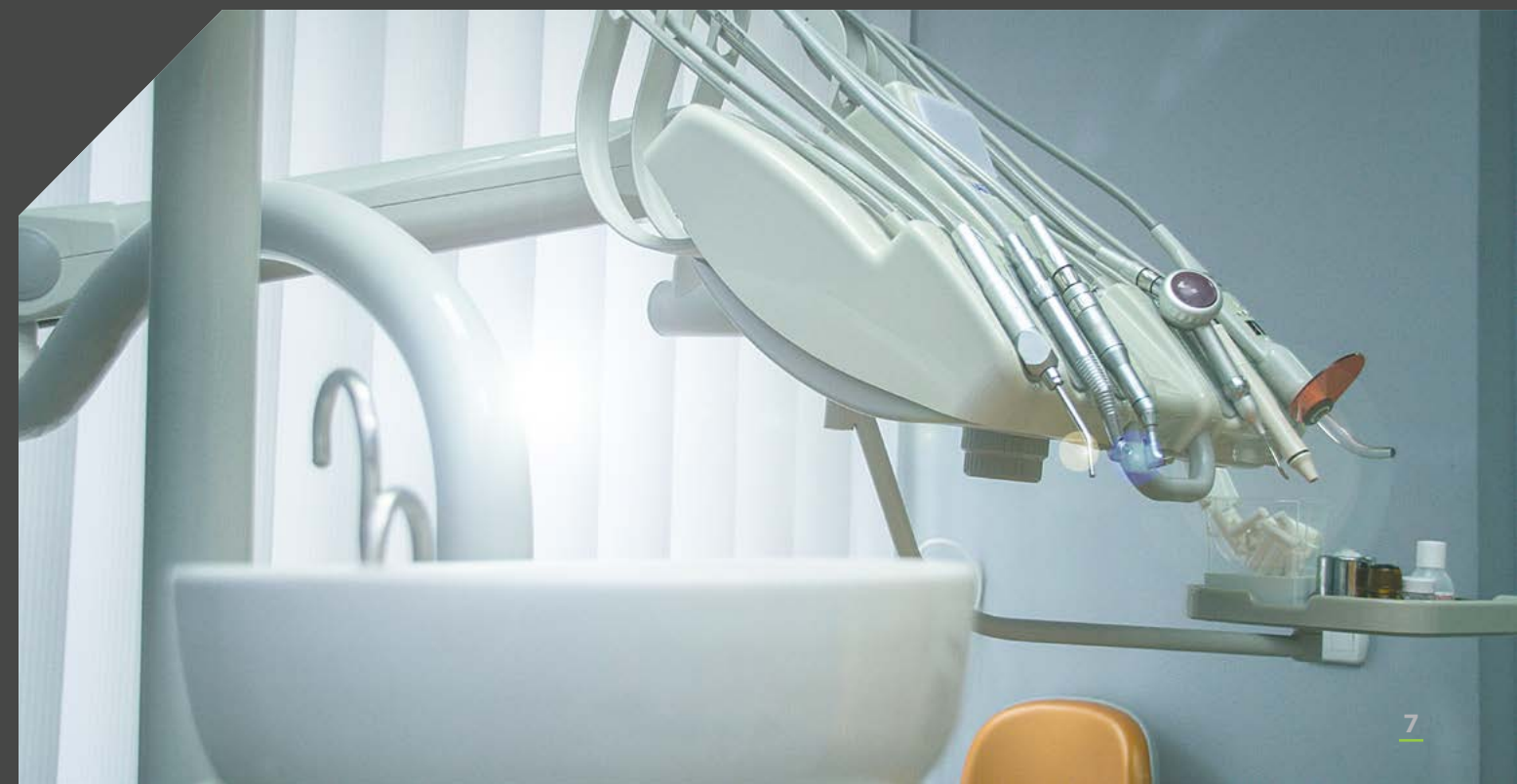
## FEATURES

- Oil-less and maintenance free
- Rugged construction
- Quiet operation
- Dual-frequency motors
- Air flows up to 12 cfm, pressure to 175 PSI and vacuum capabilities to 29.5 in-HG
- Sound Shield models are available



## TYPICAL APPLICATIONS

- Dental compressors
- Eye surgery equipment
- Ventilation equipment
- Surgical aspiration equipment
- Nitrogen generators
- Lab test equipment
- Dry sprinkler
- Beverage dispensing
- Cable pressurization
- Vacuum mixing
- Oxygen concentrators





# Jun-Air SYSTEMS

powered by 



## FUNCTION

Our JUN-AIR brand supplies clean and quiet air—a complete compressed air solution. The JUN-AIR line comes in a variety of cabinet, uncovered, as well as dryer-equipped models, providing versatility to various applications and possibilities.

**PRESSURE**  
116 PSig 8 BAR

**AIR FLOW**  
9 CFM 255 lpm

## SPECIFICATIONS

**MODEL LETTER GUIDE**  
B-Basic (Uncovered)  
M-Cabinet  
P-Plastic Cover  
Q-Includes Dryer

Model	Free Air Flow		Amps		Max Pressure		Flow at Max Pressure		Operating Voltage		Tank Size	
	CFM	LPM	50 Hz	60 Hz	PSI	BAR	CFM	LPM	50 Hz	60 Hz	Liters	Gallons
<b>OIL-LESS JUN-AIR SYSTEMS</b>												
86R-4B	1.41	40	1.7	1.1/2.1	116	8	0.52	15	230	110/240	4	1.1
87R-4B	3.21	91	2.5	2.8/5.7	116	8	1.2	34	230	110/240	4	1.1
87R-4P	1.41	40	1.7	1.1/2.1	116	8	12	34	230	110/240	4	1.1
87R-15B	3.21	91	2.5	2.8/5.7	116	8	1.2	34	230	110/240	15	4
87R-25B	3.21	91	2.7	2.8/5.7	116	8	1.2	34	230	110/240	25	6.6
106R-25B	4.3	122	3.5	3.6/6.6	116	8	1.8	51	230	120/230	25	6.6
106R-25BQ2	4.3	122	3.7	3.7	116	8	1.7	47.3	230	230	25	6.6
2X106R-40B	7	198	6.3	7.1/14.8	116	8	3.3	93.4	230	120/230	40	10.6
120R-40B	9.7	275	8	10	116	8	5.7	161	230	230/240	40	10.6
120R-40BQ3	8	225	8	10	116	8	4.7	133	230	230/240	40	10.6
2X120R-90BQ6	12	340	16	20	116	8	7	198	230	230/240	90	10.6
120R-40M	8.2	232	8	10	116	8	4.8	133	230	230/240	40	10.6
120R-40MQ3	8	225	8	10	116	8	4.7	110	230	230/240	40	10.6
2X120R-40M	13	368	16	20	116	8	9	255	230	230/240	40	10.6
2X120R-40MQ6	11.6	329	16	20	116	8	6	170	230	230/240	40	10.6
<b>LUBRICATED JUN-AIR SYSTEMS</b>												
3-4	0.71	20	2.8/9	2.4	120	8	0.46	13	100/230	120	4	1.1
6-4	2.12	60	6.2/2.9	6.2/2.9	120	8	1.31	37	100/230	120/230	4	1.1
6-15	2.12	60	6.2/2.9	6.2/2.9	120	8	1.31	37	100/230	120/230	15	4
6-25	2.12	60	6.2/2.9	6.2/2.9	120	8	1.31	37	100/230	120/230	25	6.6
12-25	4.24	120	5.8/12.4	5.8	120	8	2.61	74	100/230	230	25	6.6
12-40	4.24	120	5.8	5.8/12.4	120	8	2.61	74	230	120/230	40	10.6
18-40	6.36	180	8.7	8.7	120	8	3.92	96	230	230	40	10.6

## FEATURES

### PORTABLE & LONG LIFE

Compact, lightweight, and easy to move with casters to be able to fit into any space.

- Long-life, 2-year warranty
- 8,000 hours cup life at 8 BAR (oil-less)
- 4,000 hours maintenance interval and 5-year warranty for the dryer (oil-less)

### ON-DEMAND

Multiple tank sizes for compressed air storage based on your requirements.

- 100% duty cycle (oil-less)
- 50% duty cycle (lubricated)
- Receiver with internal coating
- Pressure regulator included

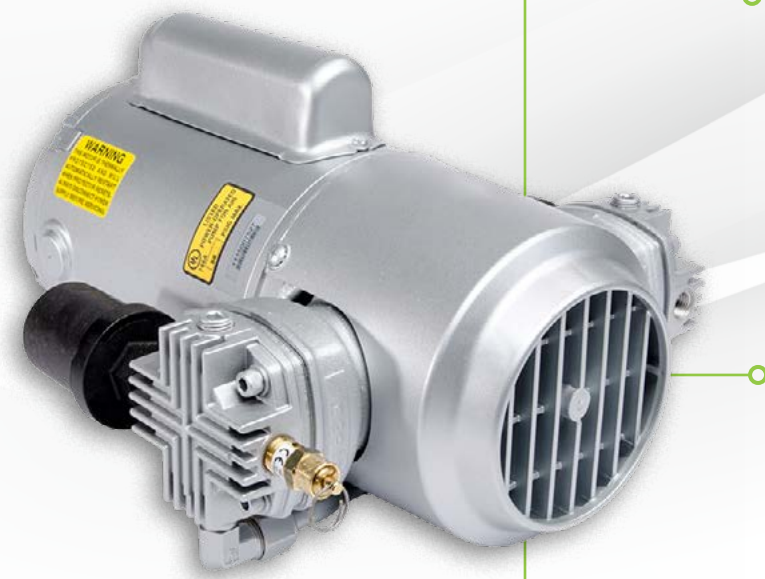
### OIL-LESS CLEAN-AIR

Ensuring optimal air quality, this system boasts multiple standout features.

- 100% oil-free
- Built-in 2-column absorption dryer providing dew points down to -40°C
- 1 µm air filtration (class 2 for dust)

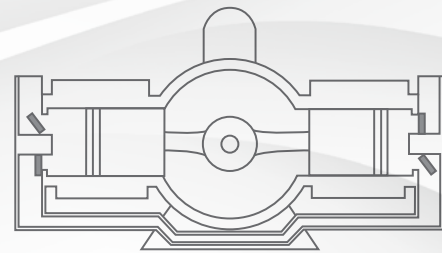


# PISTON AIR COMPRESSORS



## FUNCTION

In reciprocating motion, the piston moves up and down or back and forth inside a cylinder creating pressure or vacuum.



PRESSURE		VACUUM		AIRFLOW	
PSIg	BAR	inHg	mbar	CFM	m <sup>3</sup> /H
125	8.8	28.5	48	11	18.7

## SPECIFICATIONS

	Model/Series	Power Rating		Free Air Flow				Maximum Pressure		Maximum Vacuum		
				CFM		m <sup>3</sup> /h		PSI	BAR	inHg	mbar	
				50 Hz	60 Hz	50 Hz	60 Hz					
Motor Mounted Models	1L	1/6	0.12	1.5	1.5	2.55	2.55	50	3.5	-	-	
	2L	1/4	0.19	2.4	2.4	4.1	4.1	50	3.5	-	-	
	3L	1/3	0.25	3.1	3.1	5.3	5.3	50	3.5	-	-	
	4L	1/2	0.37	4.5	4.5	7.7	7.7	50	3.5	-	-	
	5L	3/4	0.56	5.4	5.4	9.2	9.2	50	3.5	-	-	
	6L	1	0.74	6.3	6.3	10.7	10.7	50	3.5	-	-	
	7L	1 1/2-2	1.1-1.5	10.2	10.2	17.3	17.3	50	3.5	-	-	
	8L	2	1.5	9.1	12.4	15.5	20.7	50	3.5	-	-	
	1H	1/6	0.12	1.3	1.3	2.2	2.2	100	7.0	-	-	
	2H	1/4	0.19	2.1	2.1	3.6	3.6	100	7.0	-	-	
	3H	1/3	0.25	2.4	2.4	4.1	4.1	100	7.0	-	-	
	4H	1/2	0.37	3.5	3.5	6.0	6.0	100	7.0	-	-	
	5H	3/4	0.56	4.7	4.7	8.0	8.0	100	7.0	-	-	
	6H	1	0.74	5.4	5.4	10.7	9.2	100	7.0	-	-	
	7H	1 1/2-2	1.1-1.5	9.1	9.1	15.5	15.5	100	7.0	-	-	
	8H	2	1.5	11	11	18.7	18.7	100	7.0	-	-	
		I VAF	1/6	0.12	1.49	1.80	2.53	3.06	-	-	27.5	82
		4VSF	1/2	0.37	3.38	4.2	5.75	7.1	-	-	28.5	48
	4VCF	1/2	0.37	4.15	5.00	7.06	8.50	-	-	27.5	82	
	5VDF	1 1/2	1.1	8.72	10.50	14.82	17.85	-	-	27.5	82	
Separate Drive Models	PCA	1.7	1.27	6.1		10.4		125	8.8	-	-	

## FEATURES

- Oil-less
- Rugged construction
- Long, service-free life
- Motor-mounted or separate drive styles
- Various motor configurations available (see website for more details).
- Tank-mounted piston compressors come in a simplex style and with tank sizes ranging from 2 to 30 gallons
- A complete line of recommended accessories also available

## TYPICAL APPLICATIONS

- Cable pressurization
- Tire inflators
- Air suspension
- Beverage dispensing
- Door closures
- Pneumatic temperature controls
- Power spraying
- Spray painting
- Medical/dental clinics



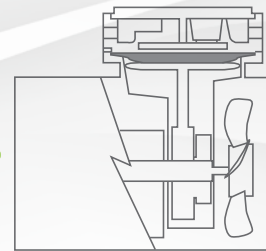


# DIAPHRAGM AIR COMPRESSORS



## FUNCTION

In reciprocating motion, with a short stroke, the diaphragm at the top of the connecting rod flexes up and down in a closed chamber, creating pressure or vacuum.



PRESSURE		VACUUM		AIR FLOW	
60	4.2	29	31	3.8	6.5
PSIg	BAR	inHg	mbar	CFM	m <sup>3</sup> /H

## SPECIFICATIONS

	Model/Series	Power Rating		Free Air Flow	Maximum Pressure		Maximum Vacuum	
		hp	kW	LPM	PSI	BAR	inHg	mbar
Standard Diaphragm Models	MOA (AC/DC)	1/8	0.09	1.36	50	3.5	24	200
	MAA (AC)	1/8	0.09	2.68	50	3.5	28.5	48
	DOA (AC/DC)	1/3	0.25	3.32	60	4.2	25.5	150
	DAA (AC)	1/15	0.37	6.46	60	4.2	29	31
Miniature Diaphragm Models	10D (DC)	-	-	3.8	15	1.0	15	505
	15D (DC)	-	-	4.3	15	1.0	14	526
	15D (DC)	-	-	7.0	20	2.0	20	335
	22D (AC)	1/20	0.04	26.3	25	1.7	23	234
	22D (DC)	1/8	0.09	36.8	25	1.7	22.5	251

## FEATURES

- Oil-less
- Rugged construction
- Quiet
- Cooler air output
- Easy maintenance
- Compact, lightweight
- Corrosion resistant
- Low power consumption
- Standard, twin, and miniature styles
- Electric motors available in dual frequency, shaded pole, and permanent split capacitor (psc) versions as well as AC multi-voltages for worldwide applications
- 4-24 volt DC options on the miniature styles

## TYPICAL APPLICATIONS

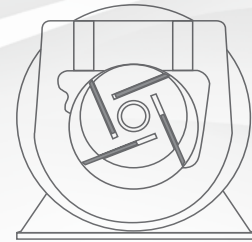
- Blood analysis
- Respirators/nebulizers
- Vacuum pad hold-down
- Dental/surgical
- Automobile cruise controls
- Graphic arts equipment
- Air and gas analysis
- Breast pumps
- Sterilizers
- Air brushes
- Agricultural foam markers
- Oil atomizers
- Lab equipment



# ROTARY VANE AIR COMPRESSORS

## FUNCTION

Sliding, flat vanes in an eccentric-mounted rotor are flung outward against the bore of the pump to generate pressure and vacuum in a rotary vane pump.



**PRESSURE**  
15 PSig | 1.0 BAR

**VACUUM**  
28 inHg | 65 mbar

**AIR FLOW**  
55 CFM | 93.5 m<sup>3</sup>/H

## SPECIFICATIONS

	Model/Series	Power Rating		Free Air Flow				Maximum Pressure		Maximum Vacuum	
				CFM		m <sup>3</sup> /h		PSI	BAR	inHg	mbar
		hp	kW	50 Hz	60 Hz	50 Hz	60 Hz				
Motor Mounted Models	0523	1/4	0.07	4.00	4.50	6.80	7.70	10	0.7	26.5	115
	0532	1/15	0.05	0.44	0.6	0.75	1.00	15	1.0	20	335
	1023	3/4	0.56	8	10.00	13.59	16.99	10	0.69	26	880.46
	1423	1/4-1	0.19-0.56	11.5	13	4.6-19.5	5.4- 22	10	0.7	26.5	116
	AT05	1/4	0.18	-	3.8- 4.8	-	6.5- 8.2	5	0.4	20	500
Separate Drive Models	1550	3/4	0.56	11.5	14.5	19.5	24.7	15	1.0	24	335
	1065-2565	1/2-1 1/2	0.37-1.1	7.3-16.5	8.5-21	12-28	4.4-35.7	15	1.7	28	65
	2067-2567	1-1 1/2	0.75-1.1	14-17	17-21	24-29	29-35.7	15	1.0	28	65
	3040	2	1.5	31	40	53	68	10	0.7	20	335
	6066	5	3.7	45	55	76	93.5	15	1.0	25	167

## FEATURES

- Oil-less or lubricated models
- Low vibration
- Pulse-free air delivery
- Extra quiet AT Series
- Long, service-free life
- Electric motors are dual-frequency, multi-voltage AC for worldwide applications, with models rated 12 and 24 volts DC
- A complete line of accessories available

## TYPICAL APPLICATIONS

- Breathing air supply
- Circulation therapy
- Packaging
- Graphic arts
- Pond and sewer aeration
- Vacuum hold-down
- Air sampling
- Office/business machines
- Food processing equipment
- Laboratory use
- Soil sparging
- Vacuum forming
- Air bearings



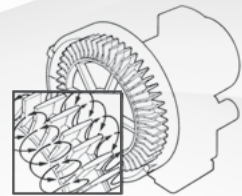


# REGENERATIVE BLOWERS



## FUNCTION

A certain amount of air slips past each impeller blade during rotation and returns to the base of a succeeding blade for re-acceleration – “regenerative.”



**PRESSURE**  
125 in H<sub>2</sub>O | 311.05 BAR

**VACUUM**  
120 in H<sub>2</sub>O | 300 mbar

**AIR FLOW**  
1350 CFM | 2294 m<sup>3</sup>/H

## SPECIFICATIONS

Model/ Series	Power Rating		Free Air Flow				Maximum Pressure				Maximum Vacuum				
	60 Hz		CFM		m <sup>3</sup> /h		inH <sub>2</sub> O		BAR		inH <sub>2</sub> O		mbar		
	hp	kW	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
R1	1/8	0.09	23	27	39	46	21	28.5	50	71	20	26.5	50	66	
R2	1/3, 1/2	0.25, 0.37	33	42	56	71	30	39	75	97	25	35	62	87	
R4P	1 1/2	1.1	110	127	187	216	47-50	63-65	117-125	157-162	43-45	59-60	107-112	147-149	
R6	1 1/2-5	1.86-3.73	180	215	306	365	35-78	40-105	87-194	100-262	45-70	45-88	112-174	112-219	
R6P	5 1/2	4.1	235-245	280-290	399-416	476-493	50-85	30-110	125-212	75-274	60-70	35-90	149-174	87-224	
R7	10	7.46	350	420	595	714	115	100-125	286	249-311	90	95-110	224	237-274	
R7P	18	13.4	666	795	1132	1351	90	105	224	262	85	95	212	237	
R9	15	11.3	4.7	680	994	1155	125	125	311	311	105	115	262	286	
R9P	30	22.4	585	1350	1937	2294	110	125	274	311	100	110	249	274	
Separate Drive	SDR5	10	7.5	240		265		365		450		145		170	

## FEATURES

- For high-volume vacuum or compressed-air applications
- Motor-mounted and separate drive models
- TEFC electric motors are UL and CSA certified on several models (see chart) and come in single- and three-phase, dual-frequency, and multi-voltage versions
- Special models with explosion-proof motors, 13/5 (0.6) to 10 HP, are designed for soil vapor extraction applications
- Consult distributor or factory for details (not shown on chart)
- A complete line of recommended accessories available

## TYPICAL APPLICATIONS

- Air tables
- Solution and media agitation
- Vacuum hold-down and pickup
- Air blow-off
- Soil and ground water remediation
- Carton forming and packaging
- Lab filtration
- Sewage aeration
- Materials handling
- Aquaculture
- Pneumatic conveying

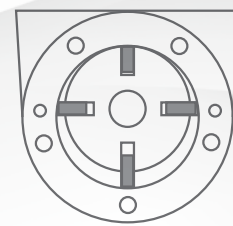




# AIR & GEAR MOTORS

## FUNCTION

Compressed air into an air motor forces the sliding vanes out of the eccentric-mounted rotor. An extended shaft on the rotor spins to perform the work.



**AIR MOTOR**  
**9.5** HP | **7.1** kW

**VARIABLE SPEEDS**  
**10,000**

**GEAR MOTOR MAX TORQUE**  
**1650** lb. in. | **190** Nm

## SPECIFICATIONS

	Model / Series	Maximum Speed	Max Line Pressure		Output Power		Torque @ Max Speed		Maximum Air Consumption		Maximum Torque	
		rpm	PSI	BAR	hp	kW	in-lb	Nm	CFM	m <sup>3</sup> /h	in-lb	Nm
Air Motors	1AM	10,000	100	7	0.45	0,33	2.75	0.31	20.5	35.1	5.6	0.65
	1UP	6,000	80	5.5	0.45	0,33	5.00	0.5	27	47	6	0.7
	2AM	3,000	100	7	0.93	0,7	19.5	2.2	30	49.5	26.1	3.1
	4AM	3,000	100	7	1.7	1,3	35	4.0	78	132.5	56	6.3
	6AM	3,000	100	7	4.0	3,0	80	9.5	128	228	115	13
	8AM	2,500	100	7	5.0	3,73	132	14.4	175	293	175	20
	16AM	2,000	100	7	9.0	6,7	290	34	275	475	372	43

	Model /Series	Gear Ratio	Maximum Speed	Max Line Pressure		Output Power		Torque @ Max Speed		Maximum Air Consumption		Maximum Torque	
			rpm	PSI	BAR	hp	kW	ft-lb	Nm	CFM	m <sup>3</sup> /h	ft-lb	Nm
Gear Motors	1AM-NRV	15:1	350	100	7	0.34	0,26	5.2	7	21.0	36	6	8
	1UP-NRV	15:1	400	80	5.5	0.32	0,23	7	9.5	21	36	8	10.8
	4AM-RV	10:1	300	80	5.5	1.26	0,94	22	30	57.5	98	35.4	48.0
	4AM-RV	15:1	200	80	5.5	1.25	0,90	33	44	60	102	53	72.0
	4AM-70C	20:1	150	100	7	1.17	0,87	41	55	71	120	62	84.0
	4AM-70C	60:1	50	100	7	0.82	0,61	86	117	71	120	136	184

## FEATURES

- Variable speed
- Non-electrical sparking
- Cool running
- Compact and portable
- Operate in all positions
- Mounting flexibility – hub, foot, face, NEMA C-Flange, or Metric D Series interface mountings and clockwise, counter-clockwise, or reversible rotations
- Four- and eight-vane models also available
- Air-powered gear motors are available in right-angle and in-line models

## TYPICAL APPLICATIONS

- Mixing equipment
- Conveyor drives
- Pump drives
- Food packaging
- Pharmaceutical packaging
- Hoists and winches
- Hose reels
- Fiberglass choppers
- Tension devices
- Turntables







# SOUND SHIELD

## PUMP AND AIR COMPRESSOR NOISE REDUCTION

Sound Shield delivers up to **17% reduction in perceived loudness** at maximum pressure compared to a standard Gast pump.

## MINIMAL EFFECT ON PERFORMANCE AND LIFE

A Gast compressor or pump upgraded with Sound Shield technology maintains **95% of the airflow**. Key performance factors like pressure (up to **130 PSI**), vacuum, and running temperature remain unaffected, ensuring the product's **longevity and reliability** are preserved.

## STREAMLINED SOUND REDUCTION

Sound Shield offers a **comprehensive, integrated solution** from a single supplier, eliminating the need for additional sound reduction components such as foam insulation, mufflers, covers, or cabinets.

## EASY INSTALLATION

Sound Shield is designed for **field or in-house retrofitting**, with all components kitted for convenience—including screws. Installation can be completed in as few as **four simple steps** using common tools

## GAST RETROFIT KIT SSP-120R6-01 INCLUDES:

Head, Valve plate, Sound Shield inserts, O-rings & fasteners.

Sound Shield by Gast reduces perceived loudness without impacting performance, resulting in a quieter, more comfortable working environment that boosts user productivity.

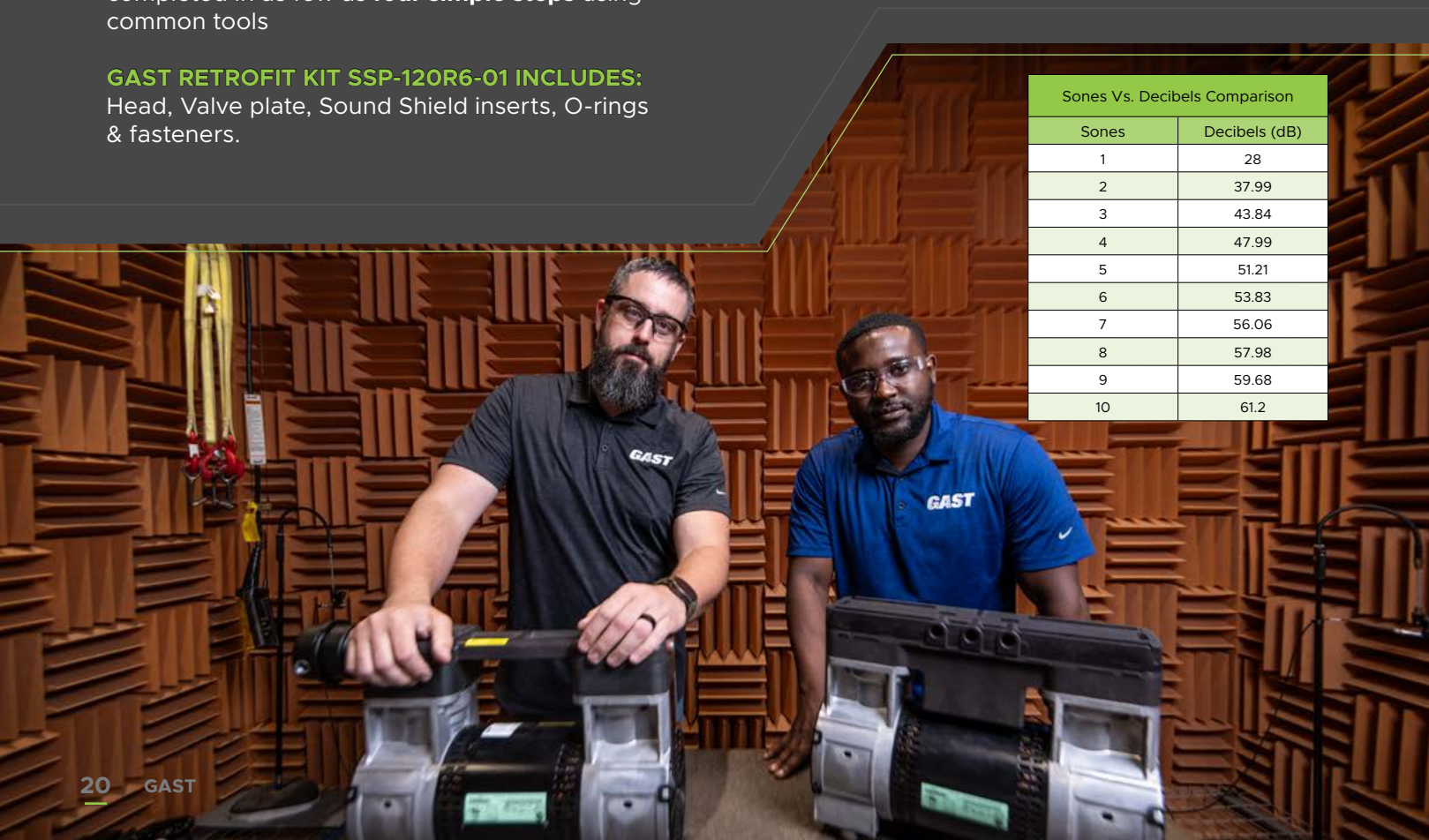
## UNDERSTANDING SONES

A **son**e is a unit used to measure the **perceived loudness** of sound, reflecting how humans actually experience noise. Unlike decibels, which measure the physical sound pressure level, **sones** account for both the **intensity and the frequency** of a sound, offering a more accurate representation of its impact on the listener.

For example, a sound with a higher frequency may be perceived as louder than a lower-frequency sound, even if both have the same decibel level. A doubling of **son**e values represents a sound that is perceived to be twice as loud. This makes sones a crucial metric for evaluating noise levels in environments where comfort and productivity are important, such as offices, labs, or medical facilities.

By using the **son**e scale, users can easily compare how loud different equipment will feel in real-world conditions, helping them choose quieter, more effective air-moving solutions like those equipped with **Sound Shield** technology.

Sones Vs. Decibels Comparison	
Sones	Decibels (dB)
1	28
2	37.99
3	43.84
4	47.99
5	51.21
6	53.83
7	56.06
8	57.98
9	59.68
10	61.2



# LAB & REGULATORY

## INDUSTRY LEADER IN SOUND & VIBRATION MEASUREMENT

At Gast, our commitment to precision and reliability fuels our approach. Utilizing cutting-edge real-time data acquisition technology, we systematically assess a range of critical parameters in complex compressor systems, including temperature, gas purity, and duty cycle. This rigorous monitoring occurs in controlled lab environments and through practical customer applications, highlighting our dedication to excellence.

Our laboratory isn't merely a workspace—it's the core of our industry-leading product development, focused on customer needs. Here, our electrically driven pumps undergo extensive testing for efficiency, adhering to international standards like UL, CSA, cURus, ATEX, CE, and cULus. We meticulously validate our products, evaluating everything from sound levels as low as 40 dBA and detailed power metrics to vibration analysis. This thoroughness underscores our commitment to delivering reliable and efficient products.

Our expansive testing capabilities include airflow rates up to 1500 cfm, pressures up to 200 PSI, and electrical specifications up to 480V. We perform bespoke endurance and environmental tests (across a wide range of temperatures from -30°F to 185°F and humidity levels from 0-100%) alongside locked rotor, hydrostatic tests, and torque measurements up to 30 HP. This comprehensive approach ensures the highest levels of resilience and reliability in our products.

Gast is unwavering in our promise of precision and reliability. Through our detailed testing and analysis, we continue to lead the way with innovative products designed for superior performance and efficiency.







# APPLICATIONS

## LABORATORY

Gast provides consistently reliable, quiet, and superior products designed for the most rigorous laboratory uses. Their durable, low-maintenance characteristics make them the obvious selection for system integration.

- Gas chromatography
- High performance liquid chromatography
- ION chromatography
- Spectroscopy (X-ray, Infra-red, ultraviolet, AA, mass, NMR)
- Rheometers
- Particle size analyzers
- Optical tables, microscopes
- Lab automation
- Generators for nitrogen, oxygen, CO<sub>2</sub>-free purgze air

## MEDICAL & DENTAL

Ever mindful of the needs of the patient, Gast offers proven reliable, quiet, high-quality products for the most demanding medical and dental applications. The dependable, lasting, and low-maintenance features make them the natural choice for system integration.

- Autoclaves, sterilizing
- Blood analyzers
- Chiropractic & physiotherapy tables
- Dentistry, dental labs, veterinary dentistry

## ENERGY

Gast supports the oil and gas industry with durable, efficient solutions designed for harsh environments. Our products enhance operations across upstream, midstream, and downstream sectors, contributing to energy innovation and sustainability.

- Rugged compressors, vacuum pumps, and air motors for extreme conditions
- Pipeline tools for construction, cutting, and beveling
- Precision valve actuators and drive motors for processing control
- Lab gas analysis and chromatography systems for quality assurance
- Pre-lube systems for reliable gas compression engine startups
- Industrial compactors and grinders for waste management

## FOOD & BEVERAGE

With decades of experience in food and beverage processing, Gast products deliver reliable quality in the toughest environments. Our solutions provide peace of mind when performance and dependability are at the forefront of your business needs.

- Nitrogen Generation
- Beverage Dispensing
- Food Processing and Packaging
- Milking Equipment
- Ice Cream and Yogurt Dispensing
- Produce Misting and Humidification Equipment





Model / Series	Gast Part Number	Power Rating 60 Hz		Free Air Flow Rate			Maximum Pressure		Maximum Vacuum (60 Hz)		Thermal Protection	Operating Voltage	
		Hp	Kw	CFM	60 Hz	50 Hz	60 Hz	PSI	BAR	inHg			mbar
LOA	LOA-101-HB	0.66	0.8	1.12	1.36	1/6	0.05	100	6.89	26	880.46	Yes	110/115
	LOA-101-JR	-	0.66	-	1.12	1/10	0.07	100	6.89	27.5	931.26	No	11-15 VDC
86R	86R123-101-N170X	0.94	1.1	1.6	1.87	1/8	0.09	125	8.62	26	880.46	Yes	100-120-200-240/50-60
	86R142-P001B-N270X	1.7	2	2.89	3.4	1/4	0.19	100	6.89	27.2	921.1	Yes	100-120/200-240
	86R130-101-N270X	1.17	1.44	1.99	2.45	1/4	0.19	125	8.62	26.2	887.23	Yes	100-120-200-240/50-60
	86R130-PS101-N270X	1.17	1.44	1.99	2.45	0.25	0.18	125	8.62	26.2	887.23	Yes	100/120V AC; 200/240V AC
	86R130-VS101-N270X	1.17	1.44	1.99	2.45	0.25	0.18	125	8.62	26.2	887.23	Yes	100/120V AC; 200/240V AC
	86R635-101-N470X	2.4	3	4.08	5.1	1/2	0.37	125	8.62	26.8	907.55	Yes	115-120-230-240/60 110-120-220-240/50
87R	87R642-101R-N470X	3.6	4.3	6.12	7.31	1/2	0.37	125	8.62	24.75	838.13	Yes	110-120/220-240; 115-120/230-240
	87R642-PS103R-N470X	3.6	4.3	6.12	7.31	1/2	0.37	125	8.62	24.75	838.13	Yes	110-120/220-240; 115-120/230-240
	87R645-101-N470X	3.9	4.6	6.63	7.85	1/2	0.37	30	2.07	27.5	931.26	Yes	110-120/220-240; 115-120/230-240
	87R647-VS101-N470X	4.8	4.8	8.16	8.16	1/2	0.37	-	-	28	948.19	Yes	115-120
	87R647-PS101-N470X	4.8	4.8	8.16	8.16	1/2	0.37	30	2.07	-	-	Yes	115-120
	87R135-101-N270X	1.7	2	2.89	3.4	1/4	0.19	100	6.89	26.7	904.17	Yes	100-120-200-240/50-60
87R BLDG	87R555-V101-N470X	2.35	2.6	3.99	4.42	1/2	0.37	-	-	28	948.19	Yes	110-120/220-240; 115-120/230-240
	87R637-101-BL480X	-	1.1	-	0.74	1/2	0.37	125	8.62	-	-	Yes	19-27 Vdc
106R	106R650-101-N600X	4.7	5.5	7.98	9.34	0.75	0.56	145	10	-	-	Yes	115-120/230-240, 220-230
	120R689-P101-N800NX	10	12	16.99	20.39	2	1.49	145	10	28	948.19	Yes	200-230V 50 Hz/ 200-230V 60 Hz
120R	120R689-PSPI01-N800NX	9	10	15.29	16.99	2	1.49	135	9.3	-	-	Yes	200-230V 50 Hz/ 200-230V 60 Hz
	GAST Sound Shield Installation Kit - Vacuum Applications: 1/4 in Inlet Size, 4.4 cfm, reduces sound levels up to a 25% dB(A) drop, for rocking piston 86R and 87R models, both single and twin cylinders.												
Soundshield	SSV-01	GAST Sound Shield Installation Kit - Vacuum Applications: 1/4 in Inlet Size, 4.4 cfm, reduces sound levels up to a 25% dB(A) drop, for rocking piston 86R and 87R models, both single and twin cylinders.											
	SSP-86R1-01	GAST Sound Shield Kit: 1/4 in Inlet Size, 4.4 cfm, 8.67 in Overall Ht, 100 micron Filter Rating, reduces sound levels up to a 25% dB(A) drop, fits all Gast rocking piston 86R single cylinder models without a biased relief valve.											
	SSP-86R1-02	GAST Sound Shield Kit: 1/4 in Inlet Size, 4.4 cfm, 8.68 in Overall Ht, 100 micron Filter Rating, reduces sound levels up to a 25% dB(A) drop, fits all Gast rocking piston 86R single cylinder models with a biased relief valve.											
	SSP-87R6-01	GAST Sound Shield Installation Kit - Pressure Applications: 1/4 in Inlet Size, 4.4 cfm, reduces sound levels up to a 25% dB(A) drop, fits all Gast rocking piston 87R twin cylinder models without a biased relief valve.											
	SSP-87R6-02	GAST Sound Shield Installation Kit - Pressure Applications: 1/4 in Inlet Size, 4.4 cfm, reduces sound levels up to a 25% dB(A) drop, for all Gast rocking piston 87R twin cylinder models with a biased relief valve.											
SSP-120R6-01	GAST 120R Sound Shield Installation Kit - Reduces sound levels up to a 25% dB(A) drop, for Gast rocking piston 120R - 784T99												

Model / Series	Gast Part Number	Power Rating 60 Hz		Free Air Flow Rate			Maximum Pressure		Flow at Max Pressure			Thermal Protection	Operating Voltage	Tank Size	
		Hp	Kw	CFM	60 Hz	50 Hz	60 Hz	PSI	BAR	CFM	LPM				
GAST PISTON SYSTEMS	1HAB-11T-M100X	1/6	0.12	-	1.3	-	36.81	100	6.89	-	-	-	Yes	115	2 gal (7.57L)
	1LAA-251T-M100X	1/6	0.12	-	1.51	-	42.76	50	3.45	-	-	-	Yes	115	2 gal (7.57L)
	2LAF-46T-M200EX	0.25	0.19	-	1.5	-	42.48	50	3.45	-	-	-	Yes	115	2 gal (7.57L)
	2LAF-246T-M200EX	1/4	15/79	-	2.1	-	59.47	50	3.45	-	-	-	Yes	115	2 gal (7.57L)
	3HBB-69T-M300AX	0.33	0.25	-	2.4	-	67.96	100	6.89	-	-	-	Yes	115	12 gal (45.42L)
	4LCB-46T-M450GX	0.5	0.37	-	4.5	-	127.43	50	3.45	-	-	-	Yes	115/230	20 Gal (75.71L)
	5HCD-100TA-M550NGX	3/4	0.56	4.7	4.7	133.09	133.09	100	6.89	-	-	-	No	120V/240V AC	20 Gal (75.71L)
	5HCD-101T-M550NGX	3/4	0.56	4.7	4.7	133.09	133.09	100	6.89	-	-	-	No	120V/240V AC	2 gal (7.57L)
	5HCD-11T-M550NGX	3/4	0.56	4.7	-	133.09	-	100	6.89	-	-	-	No	115/230 50hz	20 Gal (75.71L)
	5LCA-46T-M550GX	3/4	0.56	-	4.2	-	118.93	50	3.45	-	-	-	Yes	115/230	20 Gal (75.71L)
	7HDD-70TA-M750X	1 1/2	1.12	-	9	-	254.85	100	6.89	-	-	-	Yes	115/208-230-1	30 Gal (113.56L)
	7LDE-11T-M750X	1 1/2	1.12	-	10.2	-	283.73	50	3.45	-	-	-	Yes	115/208-230-1	30 Gal (113.56L)
	7LDE-46T-M750X	1 1/2	1.12	-	10.2	-	283.73	50	3.45	-	-	-	Yes	115/208-230	30 Gal (113.56L)
8LDF-46T-M850X	2	1.49	-	12.04	-	340.93	50	3.45	-	-	-	No	115/230	30 Gal (113.56L)	
3LBA-46T-M300AX	0.33	0.25	-	2	-	56.63	50	3.45	-	-	-	Yes	115	12 gal (45.42L)	
JUN-AIR SYSTEMS	1152000	6-4	0.54	0.4	-	2.1	-	120	8.27	-	1.31	-	Yes	120	1.1 gal (4.16 L)
	1452000	6-25	0.46	0.3	-	2.1	-	120	8.27	-	1.31	-	Yes	120	6.6 gal (25 L)
	1760428	86R-4B	0.25	0.2	-	1.4	-	120	8.27	-	0.53	-	Yes	120	1.1 gal (4.16 L)
	1760418	87R-25B	0.5	0.4	-	3.2	-	120	8.27	-	1.2	-	Yes	120	6.6 gal (25 L)
	1770008	87R-4P	0.5	0.4	3	3.5	5.1	120	8.27	0.8	1	22.7	Yes	115	1.1 gal (4.16 L)
	1770009	87R-4P	0.5	0.4	3	3.5	5.1	120	8.27	0.8	1	22.7	Yes	230	1.1 gal (4.16 L)
	1608770	106R-25B	0.75	0.6	-	3.3	-	120	8.27	-	1.7	-	Yes	120	6.6 gal (25 L)
	1069105	106R-25M	0.75	0.6	-	4.1	-	116	8	-	1.7	-	Yes	120	6.6 gal (25 L)
	1068904	2x106R-40B	1.5	1.1	-	7	-	116	8	-	3.2	-	Yes	120	10.57 gal (40 L)
	1069762	2x106R-40MQ2	1.5	1.1	5.8	6.8	9.9	116	8	2.1	2.6	59.5	Yes	230	10.57 gal (40 L)
	1203310	120R-40B	2	1.5	9	10	254.9	116	8	5	5.9	141.6	Yes	230	10.57 gal (40 L)
	1206018	120R-40M	2	1.5	7	8.1	198.2	116	8	4.1	5	116.1	Yes	230	10.57 gal (40 L)
	1206215	2x120R-40M	4	3.0	12	13	339.8	116	8	8	9	226.5	Yes	230	10.57 gal (40 L)
1206330	2x120R-40MQ6	4	3.0	10	12	17.0	120	8.27	4.5	5.5	127.4	Yes	230	10.57 gal (40 L)	

Model / Series	Gast Part Number	Power Rating		Free Air Flow Rate			Maximum Pressure		Maximum Vacuum (60 Hz)		Thermal Protection	Operating Voltage	
		60 Hz	60 Hz	CFM	50 Hz	60 Hz	60 Hz	PSI	BAR	inHg			mbar
1H	1HAB-25-M100X	0.166	0.12	-	1.31	-	2.23	100	6.89	-	-	Yes	115
	1HAB-10-M100X	0.166	0.12	-	1.31	-	2.23	100	6.89	-	-	Yes	115
	1LAA-251-M100X	0.166	0.12	-	1.51	-	2.57	50	3.45	-	-	Yes	115
1L	1LAA-32-M100X	0.166	0.12	-	1.51	-	2.57	50	3.45	-	-	Yes	115
	1LAA-46S-M100GX	0.166	0.12	-	1.51	-	2.57	50	3.45	-	-	Yes	115
	1LAA-55S-M100GX	0.166	0.12	-	1.51	-	2.57	50	3.45	-	-	Yes	115
	1VAF-10-M100X	0.166	0.12	-	1.8	-	3.06	-	-	27.5	3.1	Yes	115
	2LAF-10-M200X	0.25	0.19	-	2.1	-	3.57	50	3.45	-	-	Yes	115
2H	2LAF-46S-M200EX	0.25	0.19	1.6	-	2.72	-	50	3.45	-	-	Yes	115
	2HAH-19C-M322A	0.42	0.31	1.8	-	3.06	-	100	6.89	-	-	No	12 VDC
	2HAH-251-M322A	0.333	0.25	2.1	-	3.57	-	100	6.89	-	-	No	12 VDC
3L	2HAH-10-M200X	0.25	0.19	-	1.72	-	2.92	100	6.89	-	-	Yes	115
	3LBA-10-M300AX	0.333	0.25	3	-	5.1	-	50	3.45	-	-	Yes	115
	3LBA-46S-M300AX	0.333	0.25	3	-	5.1	-	50	3.45	-	-	Yes	115
	3LBA-55S-M300AX	0.333	0.25	3	-	5.1	-	50	3.45	-	-	Yes	115
	3HBB-10-M300AX	0.333	0.25	2.4	-	4.08	-	100	6.89	-	-	Yes	115
	3HBB-19-M322A	0.333	0.25	2.4	-	4.08	-	100	6.89	-	-	No	12 VDC
	3HBB-19-M323A	0.5	0.37	2.4	-	4.08	-	100	6.89	-	-	No	24 VDC
	4HCC-10-M450X	0.5	0.37	-	3.52	-	5.98	100	6.89	-	-	Yes	115/230
	4LCB-46S-M450GX	0.5	0.37	-	4.1	-	6.97	50	3.45	-	-	Yes	115/230
	4LCB-55S-M450GX	0.5	0.37	-	4.1	-	6.97	50	3.45	-	-	Yes	115/230
5H	5HCD-10-M553	0.75	0.56	3.9	4.7	6.63	7.99	100	6.89	-	-	No	220-240/380-415; 200-230/460
	5HCE-10-M551X	0.75	0.56	4.7	-	7.99	-	100	6.89	-	-	Yes	100-110/220-240/50; 115/208-230/60
	5LCA-10-M550NGX	0.75	0.56	-	5.85	-	9.94	50	3.45	-	-	Yes	115/208-230
5L	5LCA-46S-M550GX	0.75	0.56	-	5.85	-	9.94	50	3.45	-	-	Yes	115/208-230;115/230
	6HCA-12-M616NEX	1	0.75	-	5.35	-	9.09	100	6.89	-	-	Yes	115/230
6H	6HCA-10-M616NEX	1	0.75	-	5.35	-	9.09	100	6.89	-	-	Yes	115/230
	6LCF-46S-M616NEX	1	0.75	-	6.3	-	10.7	50	3.45	-	-	Yes	115/208-230
7H	7HDD-10-M750X	1 1/2	1.1	-	9.1	-	15.46	100	6.89	-	-	Yes	115/208-230
	7HDD-10-M853	2	1.49	7.75	13.17	9	15.29	100	6.89	-	-	No	220-240/380-440/230/460
	7LDE-46S-M750X	1 1/2	1.1	-	10.5	-	17.84	50	3.45	-	-	Yes	115/208-230
8L	8LDF-46S-M850X	2	1.49	-	10.5	-	17.84	50	3.45	-	-	Yes	110/220V; 115/230V
	8HDM-19-M850X	2	1.49	9.1	11	15.46	18.69	100	6.89	-	-	Yes	110/220;115/230
8H	8HDM-251-M853	2	1.49	9.1	11	15.46	18.69	100	6.89	-	-	No	220-240/440 50hz 3P
	8HDM-10-M853	2	1.49	9.1	11	15.46	18.69	100	6.89	-	-	No	220-240/440 50hz 3P
PCA	PCA-10	1.7	1.27	-	6.1	-	10.3	125	8.62	-	-	No	-

## DIAPHRAGM

Model / Series	Gast Part Number	Power Rating		Free Air Flow Rate		Maximum Pressure			Maximum Vacuum (60 Hz)		Thermal Protection	Operating Voltage	
		60 Hz	60 Hz	CFM	m3/h	PSI	BAR	inHg	mbar				
10D	10D1126-401-7049B	1/125	0.01	0.25	0.42	15	1.03	14	474.09	14	474.09	No	12 VDC
	10D1126-401-7048B	1/125	0.01	0.25	0.42	15	1.03	14	474.09	14	474.09	No	24 VDC
15D	15D1150-401-7054B	1/50	0.01	0.25	2.21	20	1.38	20	677.28	20	677.28	No	24 VDC
DAA	DAA-V701-EB	1/4	0.19	1.1	1.87	-	-	1	960	1	960	Yes	110/115
	DOA-P704-AA	1/8	0.09	1.1	1.87	60	4.14	25.5	863.53	25.5	863.53	Yes	115
DOA	DOA-P707-AA	1/8	0.09	1.1	1.87	60	4.14	-	-	-	-	Yes	115
	DOA-P701-AA	1/8	0.09	1.1	1.87	60	4.14	-	-	-	-	Yes	115
	DOA-P707-FB	1/3	0.25	1.9	3.23	60	4.14	-	-	-	-	Yes	110/115
	DOA-P504-BN	1/8	0.09	0.9	1.53	60	4.14	25.5	863.53	25.5	863.53	Yes	220/240
	DOA-V722-AA	1/8	0.09	1	1.7	-	-	25.5	863.53	25.5	863.53	Yes	115
	DOA-P701-DB	1/8	0.09	0.9	1.53	60	4.14	25	846	25	846	Yes	110/115
	DOA-V502-JK	1/8	0.09	1.83	3.11	-	-	24	812.73	24	812.73	No	12 VDC
	DOA-P501-FD	1/3	0.25	1.9	3.23	60	4.14	-	-	-	-	Yes	220/230
	MAA-P251-MB	1/8	0.09	1.83	3.11	50	3.45	24	812.73	24	812.73	Yes	110/115
	MOA-P126-JK	1/16	0.05	0.8	1.35	50	3.45	-	-	-	-	No	24 VDC
MOA	MOA-P101-AA	1/16	0.05	0.5	0.85	50	3.45	-	-	-	-	Yes	115
	MOA-V112-AE	1/16	0.05	0.5	0.85	-	-	24	812.73	24	812.73	Yes	110/115
	MOA-V111-JH	1/16	0.05	0.5	0.85	-	-	24	812.73	24	812.73	No	12 VDC



Model / Series	Gast Part Number	Power Rating		Free Air Flow Rate				Maximum Pressure			Maximum Vacuum (60 Hz)		Thermal Protection	Operating Voltage
		60 Hz Hp	60 Hz Kw	CFM		m <sup>3</sup> /h		PSI	BAR	inHg	mbar			
				50 Hz	60 Hz	50 Hz	60 Hz							
523	0523-V191Q-G588NDX	1/4	0.18	4	4.5	6.8	7.65	10	0.69	26	880.46	Yes	110/220-240/115/220-230	
	0523-V4-G588NDX	1/4	0.18	4	4.5	6.8	7.65	10	0.69	26	880.46	Yes	110/200-240/115/220-230	
	0523-101Q-G588NDX	1/4	0.18	4	4.5	6.8	7.65	10	0.69	26	880.46	Yes	110/220-240/115/220-230	
823	0823-V131Q-G608NEX	3/4	0.56	6.5	8	11	13	10	0.69	26	880.46	Yes	100-110/220-240/100-115/208-230	
	1023-V131Q-G608NEX	3/4	0.56	8.5	10	13.59	16.99	10	0.69	26	880.46	Yes	100-110/220-240/100-115/208-230	
1023	1023-101Q-G279	3/4	0.56	8	10	13.59	16.99	10	0.69	26	880.46	No	208-230/380-460/208-230/380-460	
	1023-101Q-G608NEX	3/4	0.56	8.5	10	13.59	16.99	10	0.69	26	880.46	Yes	100-110/220-240/100-115/208-230	
	1423-103Q-G626X	1	0.75	11.5	13	19.54	22.09	10	0.7	26	880.46	Yes	100-110/200-240/100-115/208-230	
1423	1423-101Q-G626X	1	0.75	11.5	13	19.54	22.09	10	0.7	26	880.46	Yes	100-110/200-240/100-115/208-230	
	1423-103Q-G625	1	0.75	11.5	13	19.54	22.09	10	0.7	26	880.46	No	220-240/380-415/208-230/460	
	1423-101Q-G625	1	0.75	11.5	13	19.54	22.09	10	0.7	26	880.46	No	220-240/380-415/208-230/460	
1550	1550-600	3/4	0.56	11.5	14.5	19.5	24.7	15	1	24	335	No	-	
1065	1065-V2A	1/2	0.37	7.3	8.5	12.4	14.44	-	-	28	948.18	No	-	
2065	2067-V103	1	0.75	14	17	23.79	28.88	-	-	28	948.19	No	-	
	2065-V2A	1	0.75	14	17	23.79	28.88	-	-	28	948.19	No	-	
2565	2565-V2A	1	1.1	16.5	21	28.03	35.68	-	-	28	948.19	No	-	
	2567-V108	1	1.1	17	21	28.88	35.68	-	-	28	948.19	No	-	
2567	2567-V1	1	1.1	17	21	28.88	35.68	-	-	28	948.19	No	-	
	2567-V103	1	1.1	17	21	28.88	35.68	-	-	28	948.19	No	-	
	2567-P102	2	1.5	17	21	28.88	35.68	15	1.03	28	948.19	No	-	
3040	3040-V115A	2	1.5	31	40	52.67	67.96	10	0.69	20	335	No	-	
6066	6066-V103	5	3.73	45	55	76.46	93.45	15	1.03	25	846.6	No	-	

Model / Series	Gast Part Number	Power Rating		Free Air Flow Rate				Maximum Pressure			Maximum Vacuum		Thermal Protection	Operating Voltage			
		60 Hz Hp	60 Hz Kw	CFM		m <sup>3</sup> /h		inH2O	mbar	inH2O	mbar						
				50 Hz	60 Hz	50 Hz	60 Hz					50 Hz			60 Hz		
R1	R1102K-01	1/8	0.09	23	27	39.08	45.87	21	28.5	711.14	965.12	20	26.5	677.28	897.39	Yes	110/220-240/115/208-230-1PH
R2	R2103NX	1/3	0.25	33	42	56.07	71.36	30	39	75	97	25	35	62	87	Yes	110/220-50-115/208-230-60-1
	R3105-12	1/2	0.25	44	52	74.76	88.35	40	55	1354.56	1862.51	35	50	1185.24	1693.2	Yes	110/220-240/115/208-230
R3	R3305A-1	1/2	0.37	44	52	74.76	88.4	31	43	1049.78	1456.15	28	40	948.19	1354.56	No	190-220/380-415; 208-230-460
	R4P115	1	0.75	110	127	186.89	215.77	50	65	1693.2	2201.15	45	60	1523.88	2031.83	Yes	110/220-240/115/208-230
R4	R4P315A	1 1/2	1.1	110	127	186.89	216	47	63	1591.6	2133.43	43	59	1456.15	1997.97	No	190-220/380-415; 208-230/460
	R4310A-2	1	0.75	76	92	129.12	156.31	38	52	1286.83	1760.92	34	48	1151.37	1625.47	No	190-220/380-415; 208-230/460
	R4110-2	1	0.75	76	92	129.12	156	38	52	1286.83	1760.92	34	48	1151.37	1625.5	Yes	110/220-240/115/208-230
	R5325A-2	2 1/2	1.86	130	157	220.87	266.74	50	65	1693.2	2201.15	47	60	1591.6	2031.83	Yes	190-220/380-415; 208-230/460
R5	R5125-2	2 1/2	1.86	130	157	220.87	267	50	65	1693.2	2201.5	47	60	1591.6	2031.83	Yes	110/220-240/115/208-230
	R5325R-50	2	1.49	135	160	229.37	271.84	50	65	1693.2	2201.5	47	60	1591.6	2031.8	No	190-220/380-412; 208-230/460
	R6335A-2	3 1/2	2.6	190	220	322.81	373.78	74	80	2505.93	2709.11	65	80	2201.15	2709.11	Yes	190-220/380-220/380-415; 208-230/460
R6	R6350A-2	5	3.7	160	220	271.84	374	78	105	2641.38	3555.71	70	88	2370.47	2980.02	No	190-220/380-415; 208-230/460
	R6P355A	6	4.47	225	275	382.28	467.23	85	110	2878.43	3725.03	70	90	2370.47	3047.75	No	190-220/380; 208-230/460
	R6P350A	5	3.7	250	275	424.75	467.23	70	70	2370.47	2370.47	70	70	2370.47	2370.47	No	190-220/380-415; 208-230/460
	R6125-2	2 1/2	1.86	185	217	314.32	368.69	35	45	1185.24	1523.88	45	55	1523.88	1862.51	Yes	110/220-240/115/208-230
R7	R7100A-3	10	7.46	350	425	594.65	722.08	115	125	3894.35	4232.99	90	110	3047.75	3725.03	No	190-220/380-415; 208-230/460
	R93150A	15	11.19	585	680	993.92	1155.33	125	125	4232.99	4232.99	105	115	3555.71	3894.35	No	190-220/380-440; 230/460

## AIR MOTORS

Model / Series	Gast Part Number	Max Power	Max Speed	Port Size	Mounting	Shaft Size	"Torque @ Max Speed"	Maximum Air Consumption	Maximum Torque
1AM	1AM-NCC-12	0.45	10,000	1/8" NPT	Hub	3/8"	2.75 / .31	20.5 / 34.83	5.6 / .63
	1AM-NRV-39A	0.45	10,000	1/8" NPT	Hub	3/8"	2.75 / .31	20.5 / 34.83	5.6 / .63
	1AM-NRV-63A	0.45	10,000	1/8" NPT	Hub	3/8"	2.75 / .31	20.5 / 34.83	5.6 / .63
	1AM-NRV-56	0.45	10,000	1/8" NPT	Hub	3/8"	2.75 / .31	20.5 / 34.83	5.6 / .63
	1UP-NRV-3A	0.42	6,000	1/8" NPT	Hub	3/8"	5.25 / .59	27 / 45.87	6 / .68
1UP	1UP-NRV-10	0.42	6,000	1/8" NPT	Hub	3/8"	5.25 / .59	27 / 45.87	6 / .68
	1UP-NRV-4	0.42	6,000	1/8" NPT	Hub	3/8"	5.25 / .59	27 / 45.87	6 / .68
	1UP-NCC-1A	0.42	6,000	1/8" NPT	Hub	3/8"	5.25 / .59	27 / 45.87	6 / .68
	2AM-FCC-1	0.95	3,000	1/4" NPT	Foot	1/2"	19.5 / 2.2	30 / 50.97	28 / 3.16
	2AM-FCW-13	0.95	3,000	1/4" NPT	Foot	1/2"	19.5 / 2.2	30 / 50.97	28 / 3.16
2AM	2AM-NCC-16	0.95	3,000	1/4" NPT	Hub	1/2"	19.5 / 2.2	30 / 50.97	28 / 3.16
	2AM-NCC-96	0.95	3,000	1/4" NPT	Hub	1/2"	19.5 / 2.2	30 / 50.97	28 / 3.16
	2AM-NCW-7A	0.95	3,000	1/4" NPT	Hub	1/2"	19.5 / 2.2	30 / 50.97	28 / 3.16
	2AM-NCC-43A	0.95	3,000	1/4" NPT	Flange	5/8"	19.5 / 2.2	30 / 50.97	28 / 3.16
	2AM-NRV-89	0.95	3,000	1/4" NPT	Flat	1/2"	19.5 / 2.2	30 / 50.97	28 / 3.16
	2AM-NRV-90	0.95	3,000	1/4" NPT	Flange	5/8"	19.5 / 2.2	30 / 50.97	28 / 3.16
	2AM-NCW-7B	0.95	3,000	1/4" NPT	Flat	1/2"	19.5 / 2.2	30 / 50.97	28 / 3.16
	4AM-NRV-50C	1.7	3,000	1/4" NPT	Flange	1/2"	36 / 4.07	78 / 132.52	56 / 6.33
	4AM-NRV-130	1.7	3,000	3/8" NPT	Face	5/8"	36 / 4.07	78 / 132.52	56 / 6.33
	4AM-ARV-119	1.7	3,000	3/8" BSP	Flange (lec)	0.55	36 / 4.07	78 / 132.52	56 / 6.33
4AM	4AM-NRV-22B	1.7	3,000	1/4" NPT	Face	1/2"	36 / 4.07	78 / 132.52	56 / 6.33
	4AM-FRV-13C	1.7	3,000	1/4" NPT	Foot	1/2"	36 / 4.07	78 / 132.52	56 / 6.33
	4AM-NRV-70C	1.7	3,000	1/4" NPT	Flange	1/2"	36 / 4.07	78 / 132.52	56 / 6.33
	4AM-NRV-54A	1.7	3,000	1/4" NPT	Face	1/2"	36 / 4.07	78 / 132.52	56 / 6.33
	4AM-FRV-63A	1.7	3,000	1/4" NPT	Foot	1/2"	36 / 4.07	78 / 132.52	56 / 6.33
	4AM-NRV-143	1.7	3,000	1/4" NPT	Face	1/2"	36 / 4.07	78 / 132.52	56 / 6.33
	4AM-RV-75	1.7	3,000	1/4" NPT	Flange	5/8"	36 / 4.07	78 / 132.52	56 / 6.33
	4AM-ARV-120	1.7	3,000	3/8" BSP	Flange (lec)	0.55	36 / 4.07	78 / 132.52	56 / 6.33
	6AM-NRV-11A	4	3,000	1/2" NPT	Flange	5/8"	84 / 9.49	128 / 217.47	115 / 13
	6AM-NRV-22A	4	3,000	1/2" NPT	Flange	5/8"	84 / 9.49	128 / 217.47	115 / 13
6AM	6AM-FRV-5A	4	3,000	1/2" NPT	Foot	5/8"	84 / 9.49	128 / 217.47	115 / 13
	6AM-NRV-7A	4	3,000	1/2" NPT	Face	5/8"	84 / 9.49	128 / 217.47	115 / 13
	6AM-FRV-23A	4	3,000	1/2" NPT	Foot	5/8"	84 / 9.49	128 / 217.47	115 / 13
	6AM-FRV-81	4	3,000	1/2" NPT	Foot	5/8"	84 / 9.49	128 / 217.47	115 / 13
	6AM-NRV-29A	4	3,000	1/2" NPT	Face	5/8"	84 / 9.49	128 / 217.47	115 / 13
	8AM-NRV-28A	5	2,500	1/2" NPT	Flange	7/8"	132 / 14.92	175 / 297.33	185 / 20.91
8AM	8AM-NRV-32A	5	2,500	1/2" NPT	Flange	7/8"	132 / 14.92	175 / 297.33	185 / 20.91
	8AM-FRV-30A	5	2,500	1/2" NPT	Foot	3/4"	132 / 14.92	175 / 297.33	185 / 20.91
	8AM-NRV-5B	5	2,500	1/2" NPT	Face	3/4"	132 / 14.92	175 / 297.33	185 / 20.91
	16AM-FRV-13	9	2,000	1 1/4" NPT	Foot	7/8"	290 / 32.77	275 / 467.23	372 / 42.04

## AIR POWERED GEAR MOTORS

Model / Series	Gast Part Number	Max Power	Max Speed	Port Size	Mounting	Shaft Size	"Torque @ Max Speed"	Maximum Air Consumption	Maximum Torque
1AM	1AM-NRV-56-GR11	0.35	350	1/8" NPT	Face	1/2"	0.62 / .07	21 / 35.68	72 / 8.14
	1AM-NRV-60-GR11	0.35	350	1/8" NPT	Face	1/2"	.62 / .07	21 / 35.68	72 / 8.14
1 UP	1UP-NRV-16-GR11	0.31	400	1/8" NPT	Face	1/2"	49 / 5.54	21 / 35.68	95 / 10.74
	1UP-NRV-11-GR11	0.31	400	1/8" NPT	Face	1/2"	49 / 5.54	21 / 35.68	95 / 10.74
4AM	4AM-RV-75-GR20	1.7	300	1/4" NPT	Face/Foot	1"	274 / 30.96	30 / 50.97	640 / 72.32
	4AM-RV-75-GR25	1.7	200	1/4" NPT	Face/Foot	1	400 / 45.2	60 / 101.94	640 / 72.32
	1UP-NRV-10	0.42	6,000	1/8" NPT	Hub	3/8"	5.25 / .59	27 / 45.87	6 / .68

## VACUUM GENERATORS

Model / Series	Gast Part Number	Free Air Flow Rate		Maximum Vacuum		Air Consumption	
		CFM @ 0" HG	m3/h @ 1000 mbar	inHg	mbar	CFM at Suggested Air Pressure	
Single-Stage High Vacuum	VG-010-00-00	0.95	1.6	26	133	1.60 @ 30-75 psi	
	VG-015-00-00	2.2	3.7	27	99	3.50 @ 30-75 psi	
	VG-020-00-00	4	6.8	27	99	6.40 @ 30-75 psi	
Multi-Stage High Vacuum	VG-065-00-00	6.8	11.6	27	99	2.7 @ 68 psi	
	VG-260-00-00	17	28.9	26	133	7.0 @ 68 psi	
	4AM-RV-75-GR25	1.7	200	1/4" NPT	Face/Foot	1	
	1UP-NRV-10	0.42	6,000	1/8" NPT	Hub	3/8"	





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