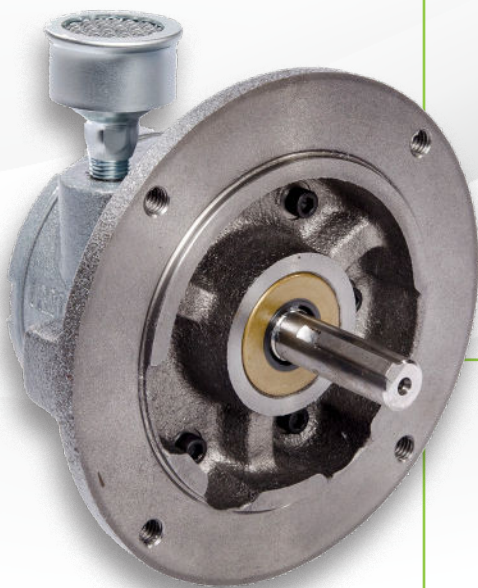
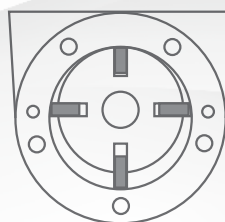


AIR & GEAR MOTORS



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 **7.1**
HP kW

VARIABLE SPEEDS

10,000

GEAR MOTOR MAX TORQUE

1650 **190**
lb. in. Nm

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

SPECIFICATIONS

Air Motors	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	m³/h	in-lb	Nm
	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

Gear Motors	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	m³/h	ft-lb	Nm
	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



Model / Series	Gast Part Number	Max Power		Max Speed		Port Size	Mounting	Shaft Size	"Torque @ Max Speed"	Maximum Air Consumption	Maximum Torque	
		HP		RPM							in-lb / Nm	in-lb / Nm
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	
		0.45		10,000		1/8" NPT	Hub	3/8"	2.75 / .31	20.5 / 34.83	5.6 / .63	
1UP	1UP-NRV-3A	0.42		6,000		1/8" NPT	Hub	3/8"	5.25 / .59	27 / 45.87	6 / .68	
	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	
		0.95		3,000		1/4" NPT	Foot	1/2"	19.5 / 2.2	30 / 50.97	28 / 3.16	
2AM	2AM-FCW-13	0.95		3,000		1/4" NPT	Foot	1/2"	19.5 / 2.2	30 / 50.97	28 / 3.16	
	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	4AM-ARV-119	1.7		3,000		3/8" BSP	Flange (lec)	0.55	36 / 4.07	78 / 132.52	56 / 6.33	
	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	6AM-NRV-22A	4		3,000		1/2" NPT	Flange	5/8"	84 / 9.49	128 / 217.47	115 / 13	
	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	8AM-NRV-28A	5		2,500		1/2" NPT	Flange	7/8"	132 / 14.92	175 / 297.33	185 / 20.91	
	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	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	
		HP		RPM				in				in-lb / Nm	
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	
Single-Stage High Vacuum	VG-010-00-00	0.95	1.6		26	133	160 @ 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