

GAST

MVP

Rotary Vane Air Motors



PRODUCT DETAILS



MVP Aluminum

Power	1.0-4.0 hp (0.75-3.00 kW)
Max Speed	3,500 rpm
Torque @ Max Speed	22-72 lb-in (2.5-8.1 Nm)
Max Air Consumption	52-100 cfm (88.3-170 m ³ /h)
Speed @ Max Torque	100 rpm
Max Torque	24-90 lb-in (2.7-10.1 Nm)



MVP Stainless Steel

Power	1.0-4.0 hp (0.75-3.00 kW)
Max Speed	3,500 rpm
Torque @ Max Speed	22-72 lb-in (2.5-8.1 Nm)
Max Air Consumption	52-100 cfm (88.3-170 m ³ /h)
Speed @ Max Torque	100 rpm
Max Torque	24-90 lb-in (2.7-10.1 Nm)



MVP Gear Motors

Based on 10:1 to 50:1 reduction options

Power	1.0-4.0 hp (0.75-3.00 kW)
Max Speed	70 to 350 rpm
Torque @ Max Speed	185-2,880 lb-in (21-325 Nm)
Max Air Consumption	52-100 cfm (88.3-170 m ³ /h)
Speed @ Max Torque	2-10 rpm
Max Torque	205-3,600 lb-in (23-407 Nm)

New MVP (Modular Vane Power) Series advances the technology of air motor design

Uniquely designed motor delivers the highest performance in this size in the industry.

Four Power Ranges

- 10-25% more power for the same air consumption than conventional air motors
- Improved power density in a significantly smaller size
- 25% lighter weight than comparable competitor units
- Improved starting torque and overall power density in a significantly smaller size
- Exceptionally easy to service and maintain

Product Features

- Four sizes ranging from 1.0hp to 4.0hp
- New LubeFree vane material – choice is yours to oil
- Reversible standard; single direction options
- Mounting options include NEMA and IEC flange, hub mounting and foot supports
- Optional 300 Series Stainless Steel with IP ratings
- Broad range of gear motor models from 15:1 – 50:1
- ATEX and CE certifications
- Decades of design experience to customize to your specification requirements

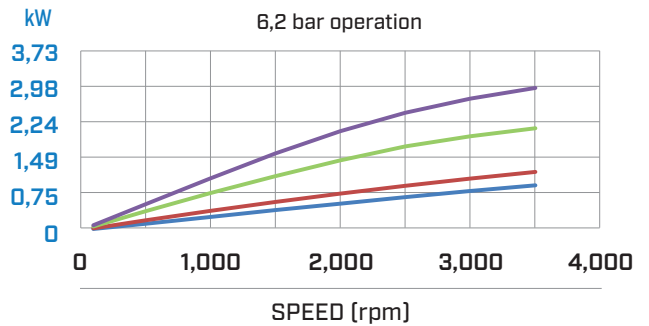
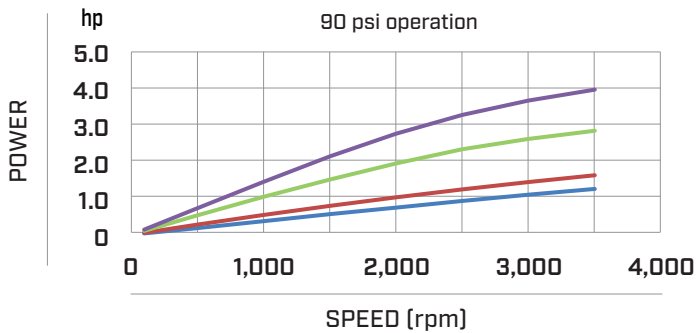
Applications

- High- and low-viscosity mixing
- Sanitary environments
- Pump drives
- Hoists and conveyors
- Industrial bolting tools
- Powered lifting gear
- Drilling and cutting tools

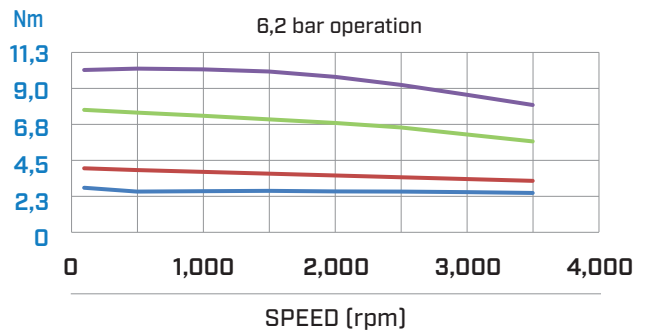
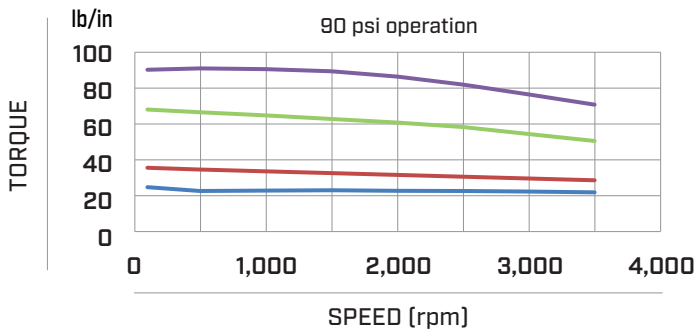
Performance Data

Output Power vs. Speed

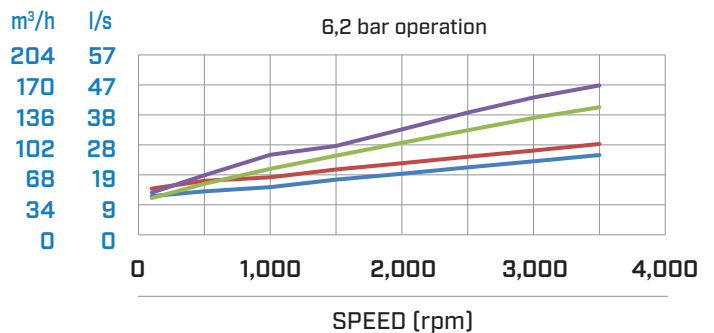
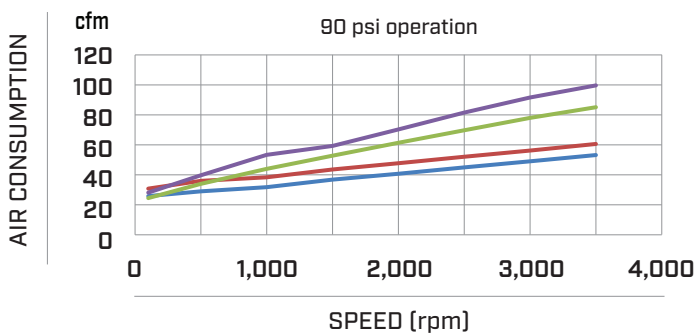
MVP06 MVP05 MVP03 MVP02



Torque vs. Speed



Air Consumption vs. Speed



When Quality, Reliability, and Dependability Matter, Turn to the Proven Leader – GAST

Need something special that you cannot find in our catalog? GAST prides itself on the attention and tailored product designs it offers customers. We may already have just the right motor for your unique application. Visit GAST online at gastmfg.com or call **269.926.6171** to speak to an air motor specialist for more information.