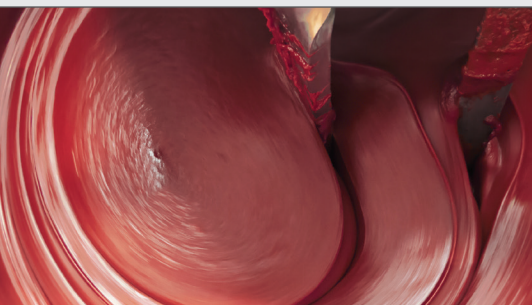


# GAST



## LubeFree

Rotary Vane Air Motors



### PRODUCT DETAILS



#### LubeFree 2AM Series

Power	0.9 hp [0.68 kW]
Max Speed	3,000 rpm
Torque @ Max Speed	19.5 lb-in [2.2 Nm]
Max Air Consumption	30 cfm [49.5 m <sup>3</sup> /h]
Speed @ Max Torque	350 rpm
Max Torque	28.1 lb-in [3.1 Nm]



#### LubeFree 4AM Series

Power	1.7 hp [1.3 kW]
Max Speed	3,000 rpm
Torque @ Max Speed	36.0 lb-in [4.1 Nm]
Max Air Consumption	78 cfm [132.5 m <sup>3</sup> /h]
Speed @ Max Torque	300 rpm
Max Torque	56.0 lb-in [6.3 Nm]



#### LubeFree 6AM Series

Power	4.0 hp [3 kW]
Max Speed	3,000 rpm
Torque @ Max Speed	84.0 lb-in [10.0 Nm]
Max Air Consumption	128 cfm [228.0 m <sup>3</sup> /h]
Speed @ Max Torque	300 rpm
Max Torque	115.0 lb-in [13.0 Nm]

## New, proprietary vane material provides reliable performance with or without lubrication

Pneumatic motors operating with in-line lubricators have the benefit of extended life, improved efficiency and surface finishes that are protected against dirty or humid inlet air. However, ensuring the motor is regularly oiled can be costly, cumbersome, and, in some applications, not an acceptable option. GAST now has a simple and effective solution.

Introducing GAST LubeFree vanes, a proprietary material that extends the life of your AM Series motor when oiled, but also works effectively without any lubrication. Independent tests have shown more than 10,000 hours of operation in completely oilless applications. When lubricated regularly or even occasionally, the motor's life can be extended by up to 110%!

The new LubeFree vane material has expanded GAST's existing 2AM, 4AM, and 6AM Series, delivering the same quality and dependability you have grown to expect from the industry leader. It allows operators the flexibility to modify their maintenance schedules or to save money by eliminating the oil, lubricator components and system maintenance – all with the advantages of the world's most reliable air motors.

The new LubeFree AM Series motors are available in two styles:

- The "LL" option offers the new vanes with light oil and minimal rust protection; ideal for applications where motors rarely get oiled or maintained or need to eliminate lubricators completely
- The "NLP" is a fully oil-free construction with complete corrosion protection for harsh or damp conditions; a truly oilless option when the slightest contamination cannot be tolerated

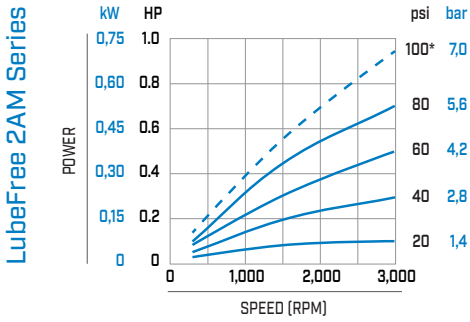
Existing 2AM, 4AM and 6AM Series motors can be upgraded and retrofitted with the new LubeFree vanes. Contact your GAST sales representative for more details.

### Applications

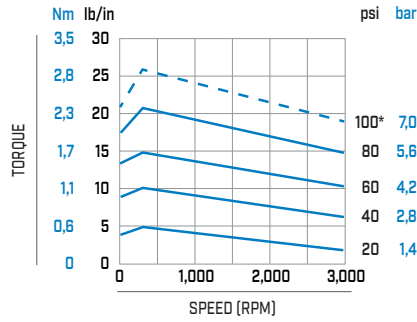
- Chemical and paint mixing
- Sanitary mixing
- Pump drive
- Material handling
- Reels
- Other industrial and remote applications

# Performance Data

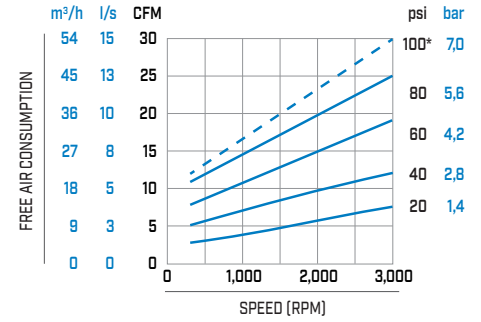
### Output Power vs. Speed



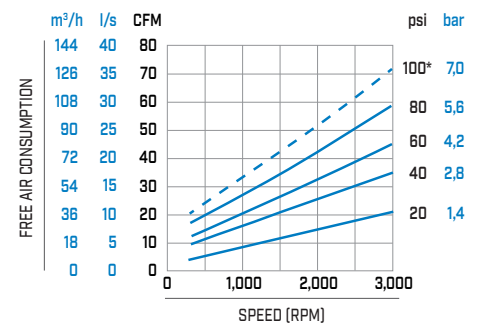
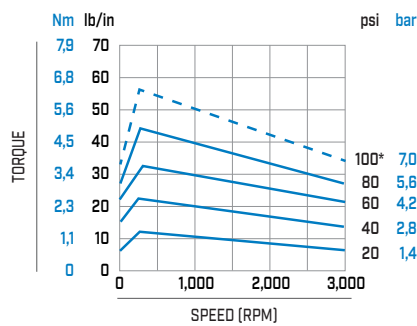
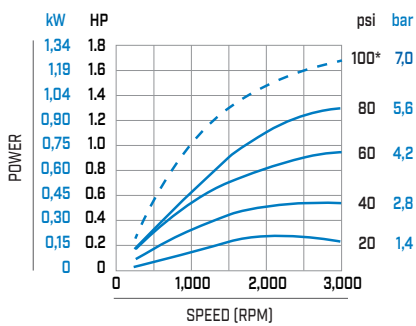
### Torque vs. Speed



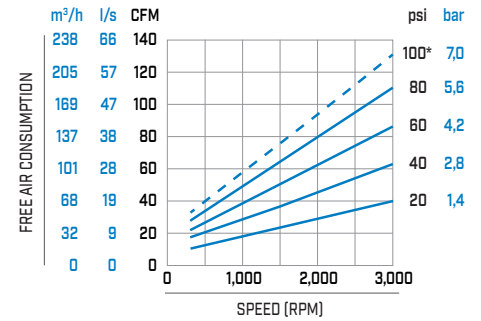
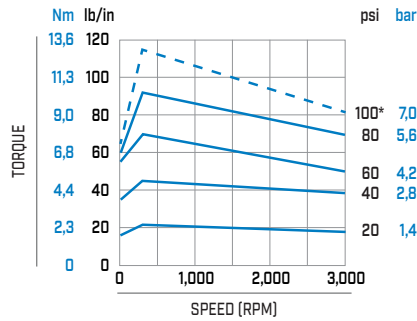
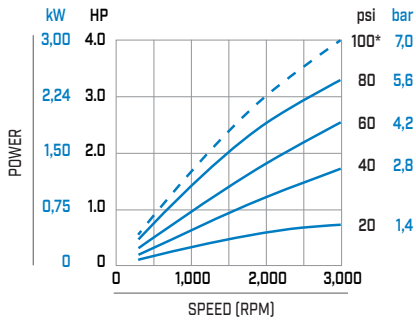
### Air Consumption vs. Speed



### LubeFree 4AM Series



### LubeFree 6AM Series



\* It is highly recommended not to exceed 80 psi (5,6 bar) operating pressure in an air motor without the use of lubrication.

## 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](http://gastmfg.com) or call **269.926.6171** to speak to an air motor specialist for more information.