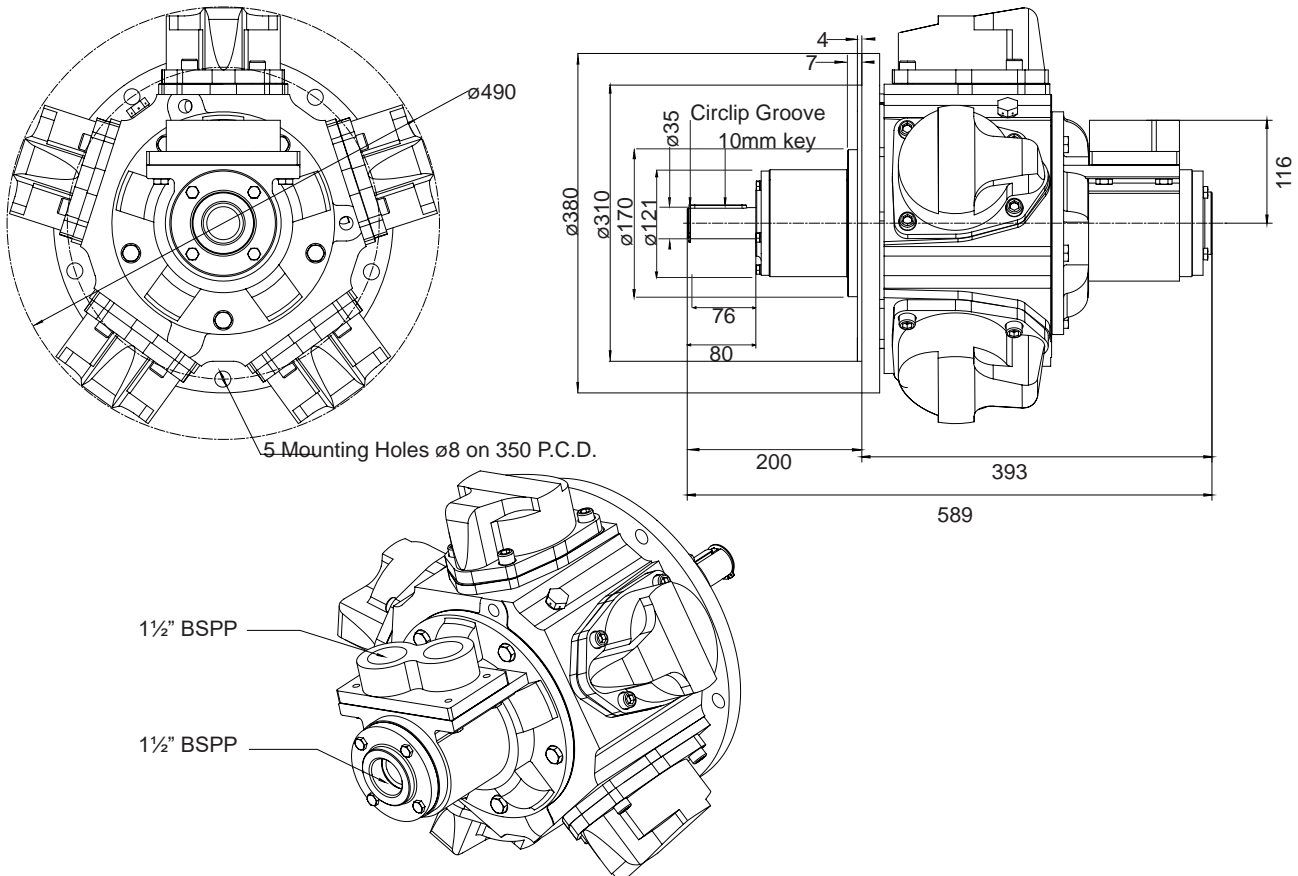


**FEATURES & BENEFITS**

- Even torque at all speeds and smooth delivery of power with each revolution in either direction of rotation
- This type of motor operates at a much slower speed than a vane-type motor because of the weight resulting from its reciprocating parts
- These motors boast a number of advantages over electric motors: They do not require electrical power, air motors can be used in volatile atmospheres
- Air motors stop and start almost instantly and provide extremely variable torque and speed without complicated controls
- They can operate in hot, corrosive, and wet environments without damage, and are unaffected by continuous stalling or overload
- They are instantly reversible and, unlike electric motors, run cool and start without shock, meaning there is no heat build-up and no electric sparks to damage the motor
- Intrinsicly safe in hazardous applications such as mines, petro-chemical etc
- Natural gas and other gases can also be used. Please consult Boss Hydraulics for more information

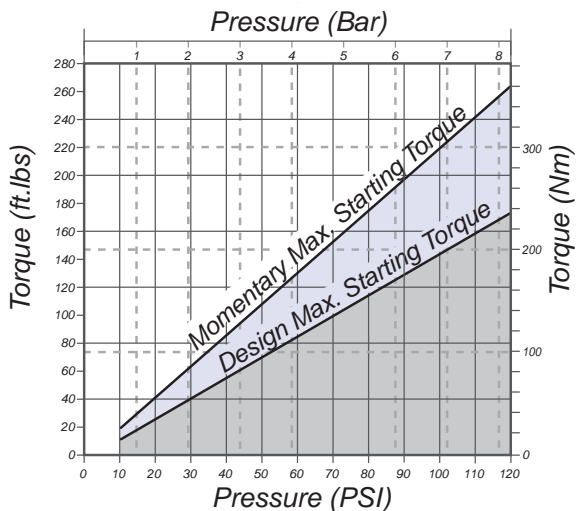


**DIMENSIONAL DRAWINGS**

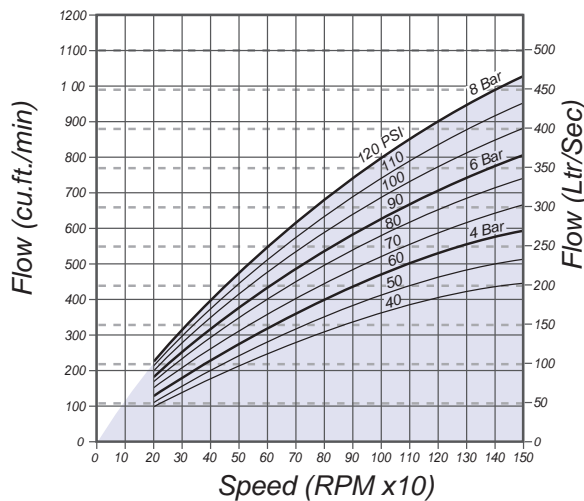


**PERFORMANCE GRAPHS**

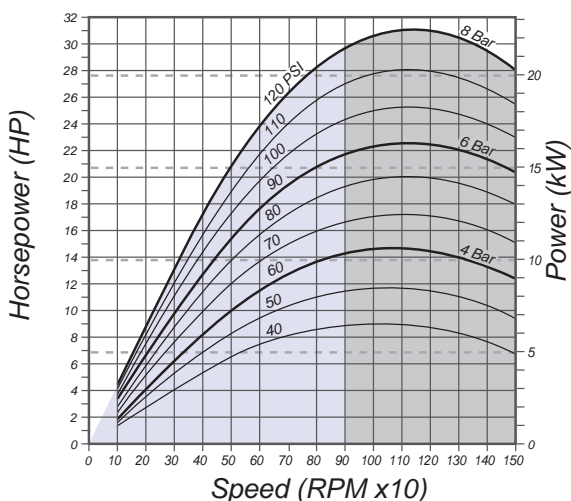
**STARTING TORQUE - PRESSURE**



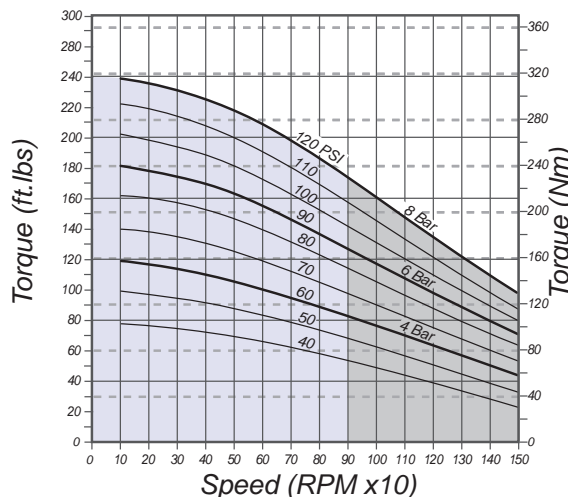
**CONSUMPTION - SPEED**



**POWER - SPEED**



**TORQUE - SPEED**



**GENERAL DATA**

**Mass:** (motor only) 115kg

**Max Overhung Force:** on motor shaft 6500 N/ 1460 lbf

**Temperature Range:** -20° C to +80° C/ -4° F to +176° F

**RECOMMENDED LUBRICATION**

**CASE:**

ISO : 100 oil  
Vertical : 2.1L  
Horizontal : 1.1L

**AIR LINE FILTRATION & LUBRICATION:**

ISO 32 oil  
6-8 drops/ minute (continuous use)  
12-16 drops/ minute (intermittent operation)  
\*Insert oil directly into inlet port before initial start-up  
Minimum 64 Micron or better filtration is recommended