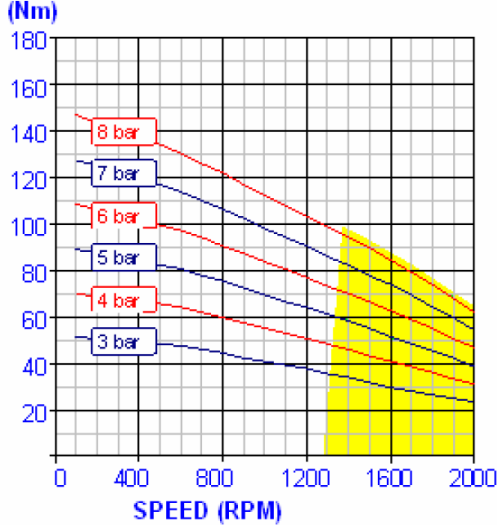


# M16 Performance Graphs

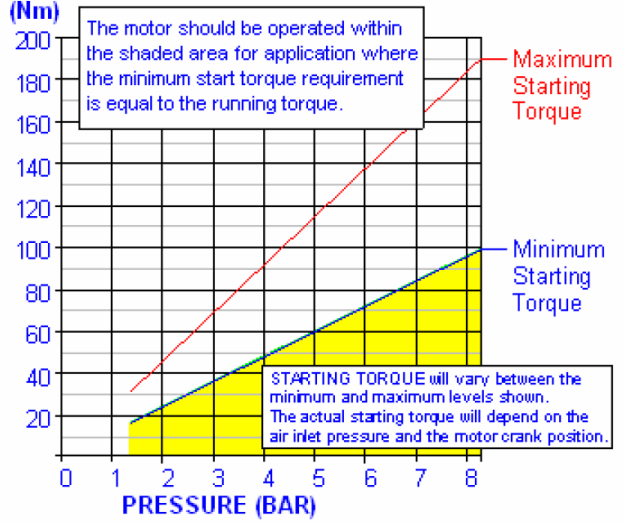
## 14.5 HP 65 N·m 1,600 RPM

**TORQUE TORQUE v.s. SPEED**



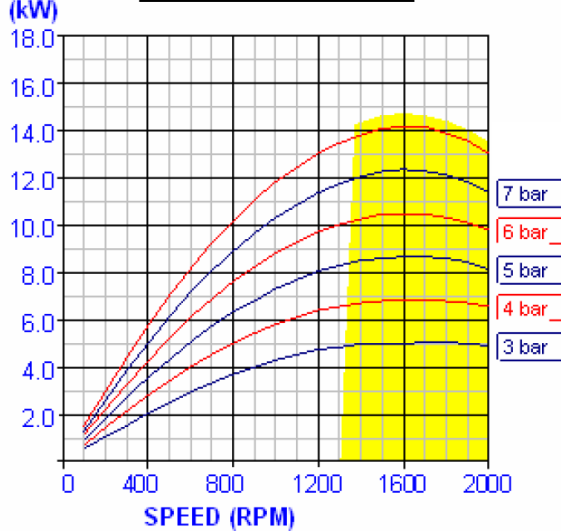
**NOTE: This Air Motor is designed to run at 6 bar and under and must never exceed 7 bar pressure**

**TORQUE TORQUE v.s. PRESSURE**



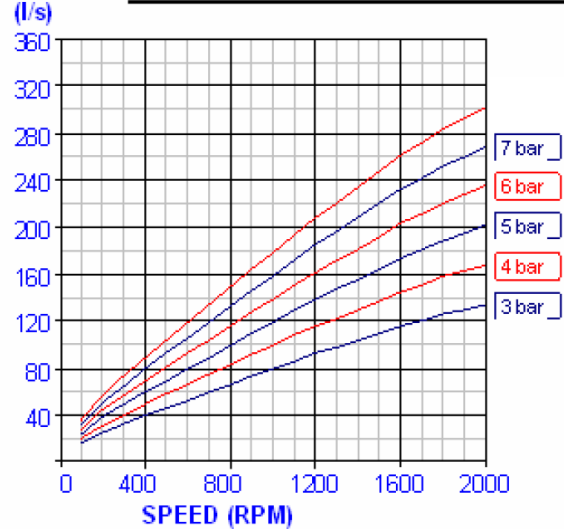
A pressure regulator should be used to control the air pressure to the motor, to limit the maximum output torque applied to the driven assembly.

**Power POWER v.s. SPEED**



Motor should be operating at speed as close as possible to the speed at which PEAK POWER is achieved to give optimum performance and air consumption.

**Free Air AIR CONSUMPTION v.s. SPEED**



### LUBRICATING OIL CAPACITIES

Horizontal: 500 ml Vertical: 940 ml  
Good quality hydraulic oil with a viscosity of around 100 cSt (460 SSU)

### AIRLINE FILTRATION & LUBRICATION

Use 64 micron filtration or better.  
Inject oil into the inlet port prior to initial start-up.  
Lubricator drop rate at 6 to 8 drops/min for continuous operation  
Lubricator drop rate at 12 to 16 drops/min for intermittent operation

### GENERAL DATA

Mass (motor only): 62 kgs (137 lbs)  
Max. Overhung Force on Motor Shaft: 1330 N (300 lbf)



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