



ENGINE
STARTING
SYSTEMS

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D SERIES (CMD3A) HYDROTOR® Data Sheet



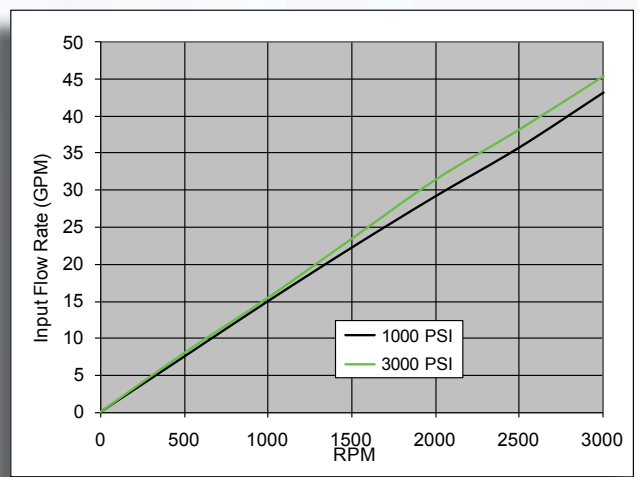
Tel: +41-62-916-50-30 Fax: +41-62-916-50-35 HUEGLI-TECH.COM

Product Specifications

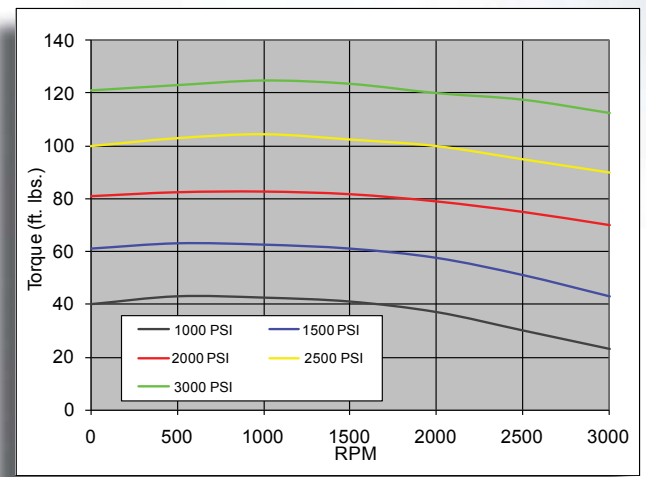
Rotation:	CW/ CCW
Motor housing:	Aluminum
Pinion housing:	Ductile iron
Barrel:	Steel
Piston:	Steel Alloy
Number of pistons:	7
Displacement:	3.50 in ³ /REV
Speed range:	0-4500 RPM
Drive type:	Inertia
Maximum working pressure:	3000 PSI
Duty cycle:	Intermittent
Maximum torque:	120 Ft-lbs
Weight:	40.0 lbs
Overall volumetric efficiency:	92%
Recommended fluid:	Red hydraulic fluid (MIL-H-5606)



Flow vs. Speed



Torque vs. Speed



General Dimensions

Porting

- Inlet Port: SAE 12
- Outlet Port: SAE 12

Available Flanges

- SAE 3
- Customs

