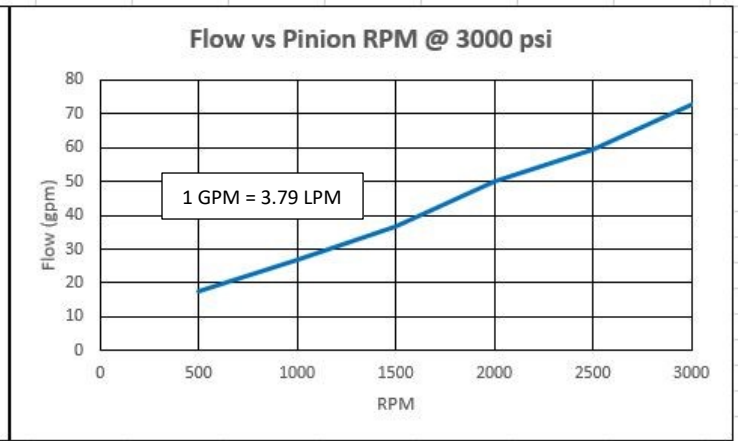
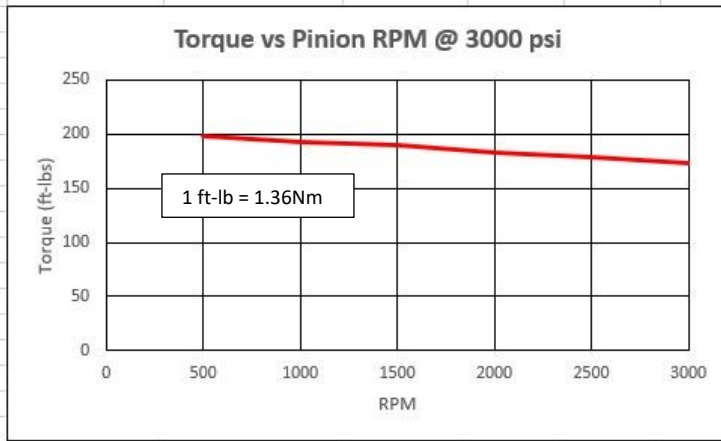


P/N 6-HSCV-360-Z (Hydraulic Engine Starter with Integrated Soft Start)

Hydraulic Starter Specification	
Engine Application	>50 Liter (Cat, Cummins, MTU)
Hydraulic Oil, Supply Pressure	3000 psi (207 BAR) – recommended
Hydraulic Oil, Flow Required	40-60 GPM (151-227 LPM)
Hydraulic Oil, Specification	Normal operating viscosity range: 80-1000 SUS (16-220 cSt) Maximum startup viscosity should not exceed 4000 SUS (864 cSt)
Max starter torque output at 3000psi (207 BAR)	200 ft-lbs (271Nm)
Operating Temperatures	-40° F to 180° F (-40°C to 82°C)
Pinion characteristics	12 Tooth - 6/8 DP - RH Rotation
Weight	77 lbs (35 kg)

$$\text{Pinion speed} = \text{engine speed} * \frac{\text{ring gear tooth count}}{\text{pinion tooth count}}$$

$$\text{Engine torque} = \text{starter torque} * \frac{\text{ring gear tooth count}}{\text{pinion tooth count}}$$



Note: Fitting installation torque:
 SAE # 12: 88 -> 96 ft-lbs (119 -> 130 Nm)
 SAE # 16: 130-> 143 ft-lbs (176 -> 194 Nm)

