

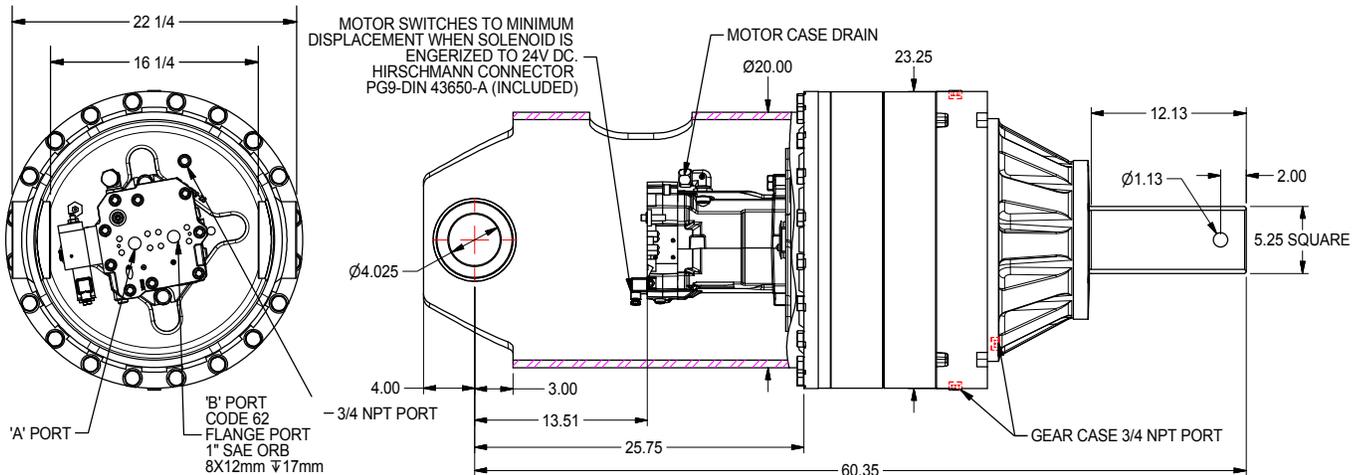


# D600 Series Digger Drive

## 54,000 FT-LB TORQUE

Data Sheet PSD600QD\_5\_17

Eskridge drive heads are ideal for the construction, anchor setting, and utility markets. The D600 series drive head utilizes a heavy duty three stage planetary gearbox and a Load-N-Lock shaft retention system for extreme duty situations. The drive head uses a highly efficient variable displacement piston motors for maximum speed and torque. Eskridge has over 40 years of experience in the manufacture of DiggerDrives™.



### TECHNICAL SPECIFICATIONS

#### HYDRAULIC MOTOR INFORMATION

DIGGER ROTATION: PRESSURIZE OIL PORT 'A' FOR CW ROTATION  
DISPLACEMENT: 135 CC MAXIMUM, 65 CC MINIMUM  
MAXIMUM PRESSURE: 5000 PSIG (345 Bar)  
MAXIMUM HIGH SPEED FLOW: 70 GPM (265 LPM)  
MAXIMUM LOW SPEED FLOW: 125 GPM (473 LPM)  
TYPE: TWO SPEED AXIAL PISTON MOTOR  
SPEED CONTROL: SOLENOID 24VDC <26W (ENERGIZED HIGH SPEED)  
MOTOR CASE: -12 JIC CASE DRAIN REQUIRED  
MOTOR CASE PRESSURE: 37 PSIG (2.5 Bar) MAX

#### PLANETARY GEARBOX INFORMATION

RATIO: 110.08:1  
RATED OUTPUT TORQUE: TO 54,000 ft-lb (73,210 N-m)  
SHAFT PULL-OUT: 50,000 lbf (222,410 N)  
PRESSURE LOAD: 95,000 lbf (422,580 N)  
SHAFT RETENTION: LOAD-N-LOCK SHAFT RETENTION  
OIL TYPE: 80W90 EP or GL-5  
OIL CAPACITY: 9.5 gal (36L)  
WEIGHT: 2,050 lb (930 kg)  
OUTPUT SHAFT: 5.25 in (133.4mm) SQUARE  
BAIL BOSS: 4 in (101.6mm)

For more information regarding Planetary Diggerdrives and other innovative products, feel free to contact us at:



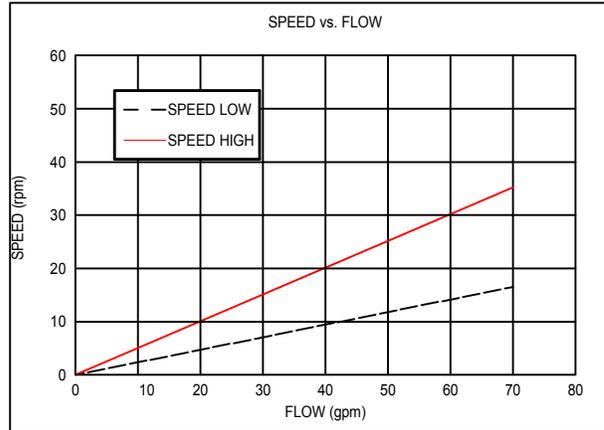
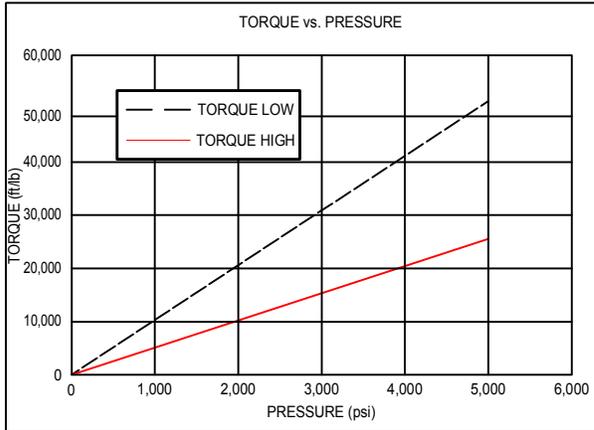
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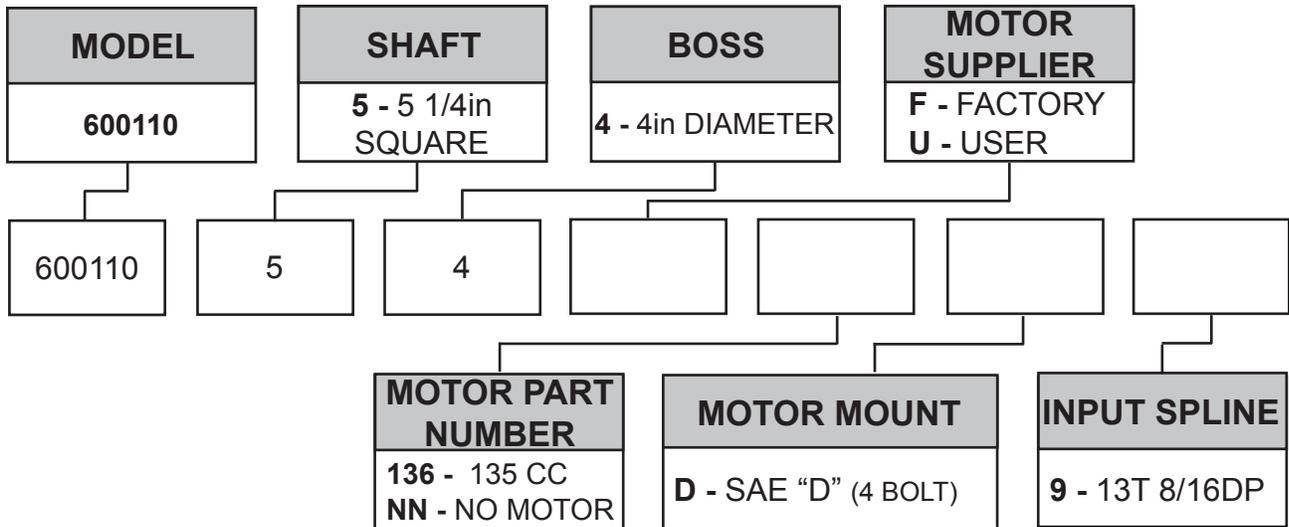
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# Technical Data

| MODEL  | GEAR RATIO | MOTOR CODE | MOTOR PRESSURE         | FLOW                  | RATED TORQUE / SPEED               |                                    |
|--------|------------|------------|------------------------|-----------------------|------------------------------------|------------------------------------|
|        |            |            |                        |                       | HIGH SPEED                         | LOW SPEED                          |
| 600110 | 110.08:1   | 136        | 5,000 psi<br>(345 bar) | 70 gpm<br>(265 l/min) | 25,500 ft-lb (34,570 N-m) / 35 rpm | 54,000 ft-lb (73,210 N-m) / 17 rpm |



TORQUE AND SPEED CHARTS ARE BASED ON ANALYTICAL CALCULATIONS THAT USE AVERAGE GEARBOX AND MOTOR EFFICIENCIES. STARTING TORQUES ARE APPROXIMATELY 25% LESS THAN RUNNING TORQUE. SYSTEM BACK PRESSURE WILL REDUCE THE RUNNING TORQUES PROPORTIONALLY.



## IMPORTANT INFORMATION...

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