

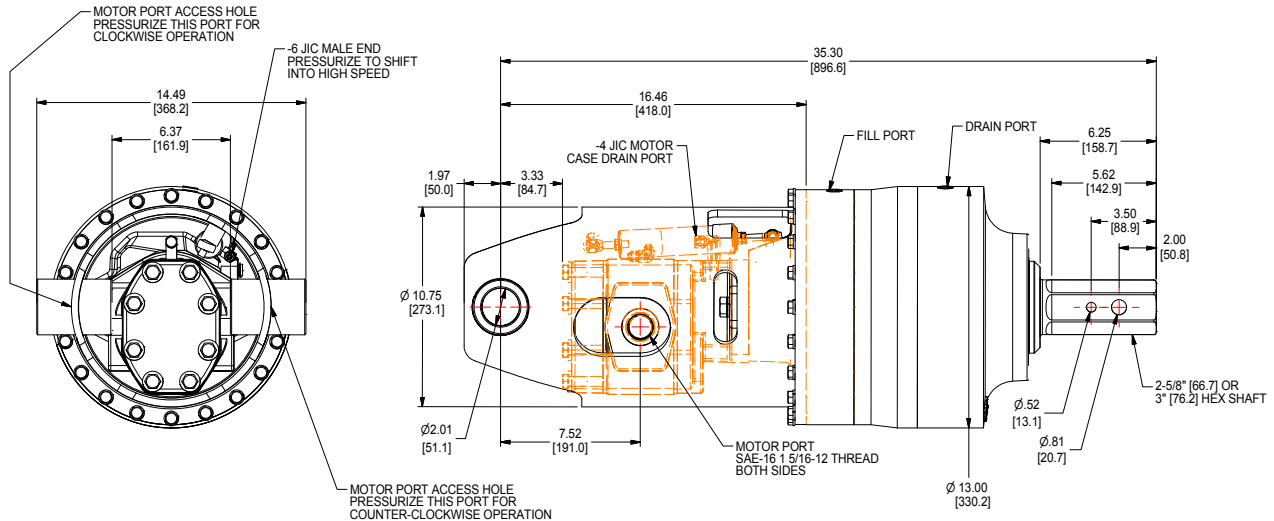


# 34 Series DiggerDrive™

## 14,000 FT-LB TORQUE (TWO SPEED)

Data Sheet PS34\_02\_2014

The 34 series is custom designed for the Utility Industry. This series is a two speed, double planetary drive with hydraulic operated mechanical shift. Eskridge has over 25 years of experience in the manufacture of DiggerDrives™ to dig holes and install anchors in the heavy duty electric utility environment.



**TWO-SPEED; HYDRAULIC SHIFT**  
**HEAVY DUTY, HIGH EFFICIENCY, DOUBLE PLANETARY DRIVE**  
**HIGH SPEED SPIN-OFF**

**THIS UNIT DOES NOT SHIFT ON THE FLY. IT MUST BE STOPPED  
COMPLETELY BEFORE SHIFTING.**

**SHAFT SIDE LOADING NOT RECOMMENDED.**

### TECHNICAL SPECIFICATIONS

MOTOR MOUNT: SAE "C" 2-BOLT  
MOTORS: SINGLE SPEED GEAR TYPE  
RATED OUTPUT TORQUES: TO 14,000 ft-lb [19,000 N-m]  
MAXIMUM SYSTEM PRESSURE: 2,150 psi [148 bar]  
MAXIMUM SHIFTING PRESSURE: 600 psi [41,4 bar] (PRESSURIZE TO SHIFT TO HIGH)  
OUTPUT SHAFT OPTIONS: 2-5/8" [66.7 mm] AND 3" [76.2 mm] HEX  
SHAFT PULL-OUT LOAD: 30,000 lb [13,638 kg]  
SHAFT PRESSURE LOAD: 30,000 lb [13,638 kg]  
OIL CAPACITY: 10 pts [4.76 ]  
BAIL BOSS DIAMETER: 2.01" [51.05 mm]  
WEIGHT: 400 lb [181 kg] WITH MOTOR

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



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WEBSITE: [www.eskridgeinc.com](http://www.eskridgeinc.com) • E-MAIL: [sales@eskridgeinc.com](mailto:sales@eskridgeinc.com)

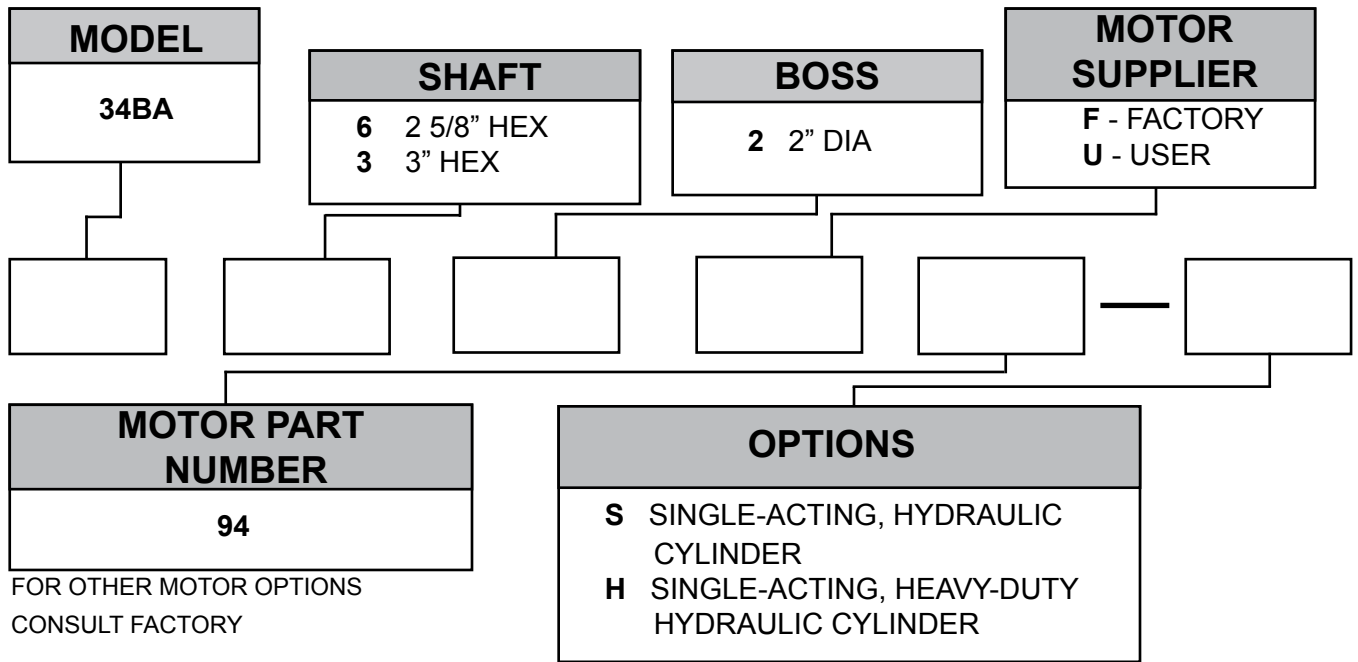
# Performance Data

MODEL	GEAR RATIO		MOTOR	MOTOR PRESSURE Δpsi (Δbar)	FLOW** gpm (l/min)	RATED TORQUE* ft-lb. (N-m)		SPEED** rpm	
	LOW	HIGH				LOW	HIGH	LOW	HIGH
34	62.7:1	20.7:1	0940	2,150 [148]	40 [152]	14,000 [19,000]	4,600 [6,200]	14	43

\*\*MAXIMUM MOTOR FLOW 85 GPM. GEARBOX OUTPUT SHAFT SPEED AT MAXIMUM FLOW: LOW 30 RPM, HIGH 90 RPM.

\* MAXIMUM ITERMITTENT VALUE

- STARTING TORQUES ARE APPROXIMATELY 25% LESS THAN RUNNING TORQUE.
- SYSTEM BACK PRESSURE WILL REDUCE THE RUNNING TORQUES PROPORTIONALLY.
- BACK PRESSURE SHOULD BE LIMITED TO 100 psi (6,9 bar).
- MAXIMUM FLOW RATE IS DEPENDENT UPON MOTOR DISPLACEMENTS.
- HIGH ALLOY HEAT TREATED BAIL BOSS PINS REQUIRED (CUSTOMER PROVIDED).



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