

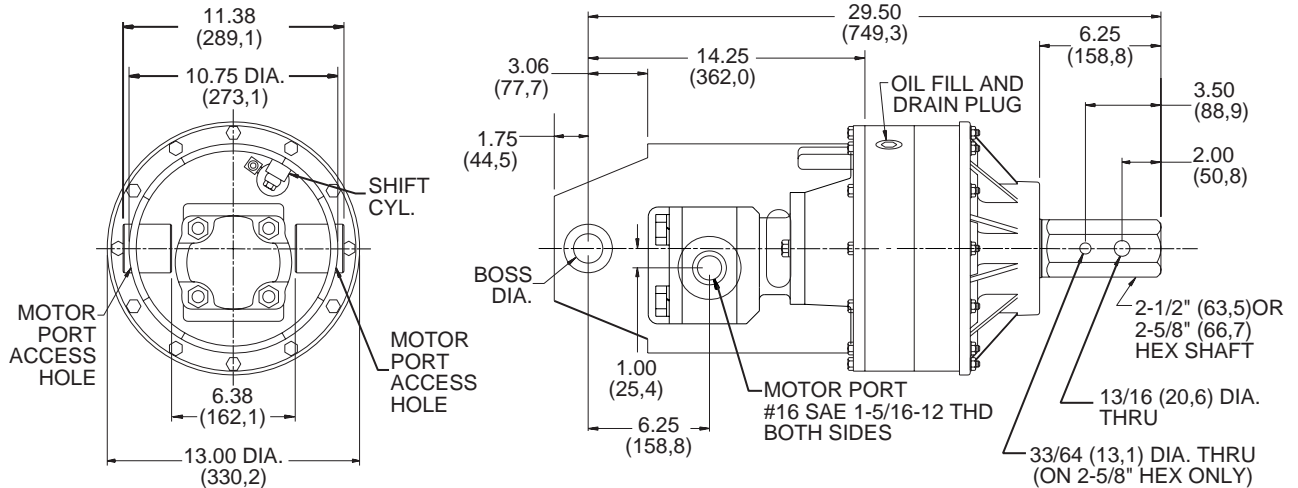


76 Series DiggerDrive™

3,300 TO 12,000 FT-LB TORQUE (TWO SPEED)

Data Sheet 7076

The series 76 is custom designed for the Utility Industry. This series is a two speed, double planetary drive with hydraulic or air 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 AND AIR SHIFT OPTIONS
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 12,000 ft-lb (16,272 N-m)
MAXIMUM SYSTEM PRESSURE: 2,500 psi (172,4 bar)
MAXIMUM SHIFTING PRESSURE: 600 psi (41,4 bar [pressurize to shift to high])
OUTPUT SHAFT OPTIONS: 2-1/2" (63,5 mm) AND 2-5/8" (66,7 mm) HEX
SHAFT PULL-OUT LOAD: 15,000 lb (6818 kg)
SHAFT PRESSURE LOAD: 15,000 lb (6818 kg)
OIL CAPACITY: 6.5 pts (3,1 l)
BAIL BOSS DIAMETER: 1.26" (32,00 mm) OR 1.51" (38,35 mm)
WEIGHT: 250 lb (113,4 kg) WITH MOTOR

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



1900 Kansas City Road • Olathe, Kansas 66061 • USA

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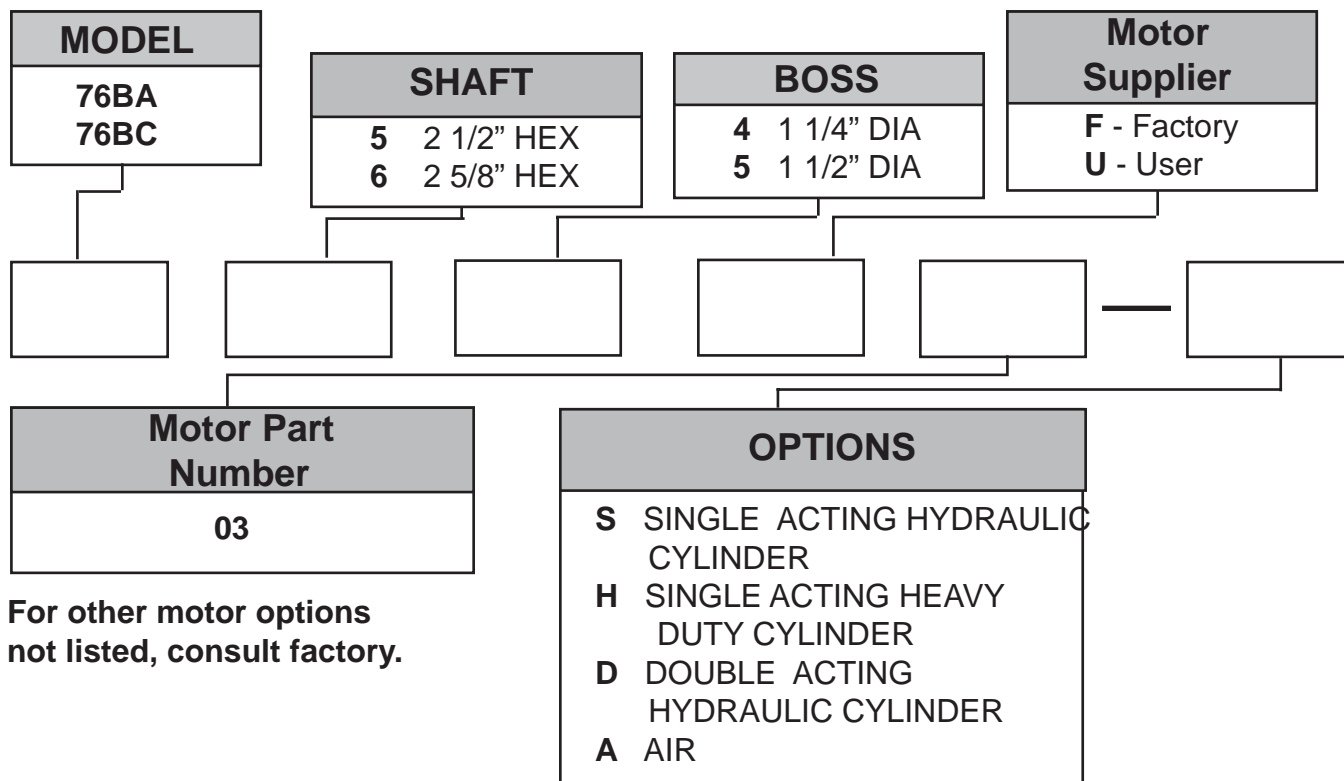
WEBSITE: www.eskridgeinc.com • E-MAIL: diggerdude@eskridgeinc.com

Performance Data

MODEL	GEAR RATIO		MOTOR	MOTOR PRESSURE Δ psi (Δ bar)	FLOW gpm (l/min)	RATED TORQUE* ft-lb. (N-m)		SPEED rpm	
	LOW	HIGH				LOW	HIGH	LOW	HIGH
76BA	70:1	17:1	03	2,400 (166)	40 (152)	12,000 (16,272)	3,000 (4,068)	19	80
76BC	46:1	19:1	03	2,400 (166)	40 (152)	8,000 (10,848)	3,300 (4,475)	30	72

* Maximum intermittent 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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