

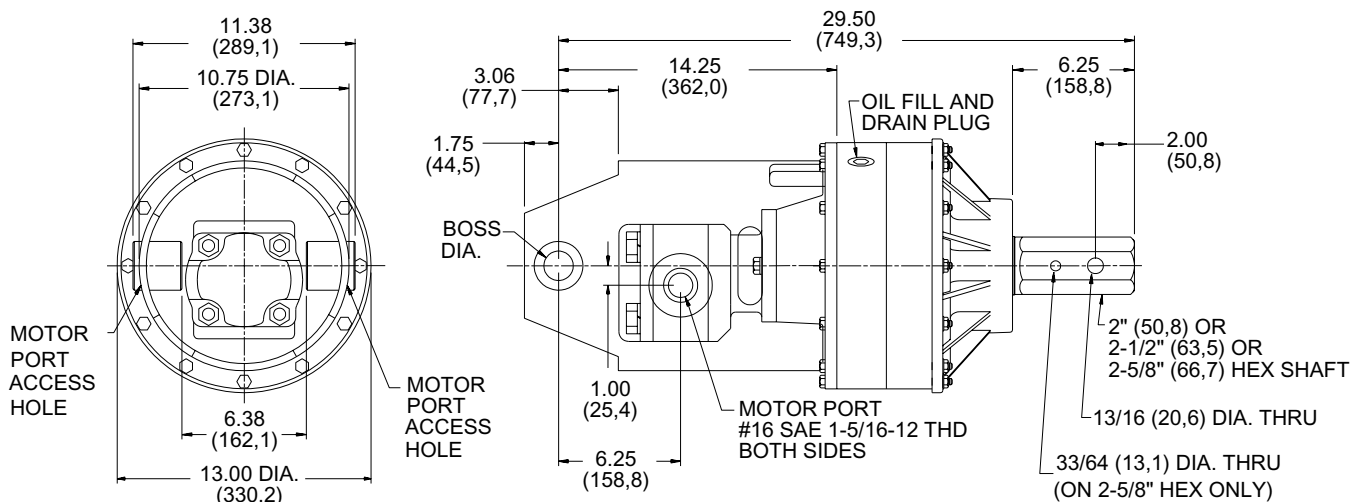


77 Series DiggerDrive™

6,500 TO 12,000 FT-LB TORQUE

Data Sheet 7077

The series 77 is a heavy duty single speed double planetary drive with ease of control in operation. Ideal for use in the rental market. Select from three available torque and speed ranges to fit your application.



SINGLE SPEED OPERATION
HEAVY DUTY, HIGH EFFICIENCY, DOUBLE PLANETARY DRIVE

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)
OUTPUT SHAFT OPTIONS: 2" (50,8 mm), 2-1/2" (63,5 mm), 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



ESKRIDGE

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

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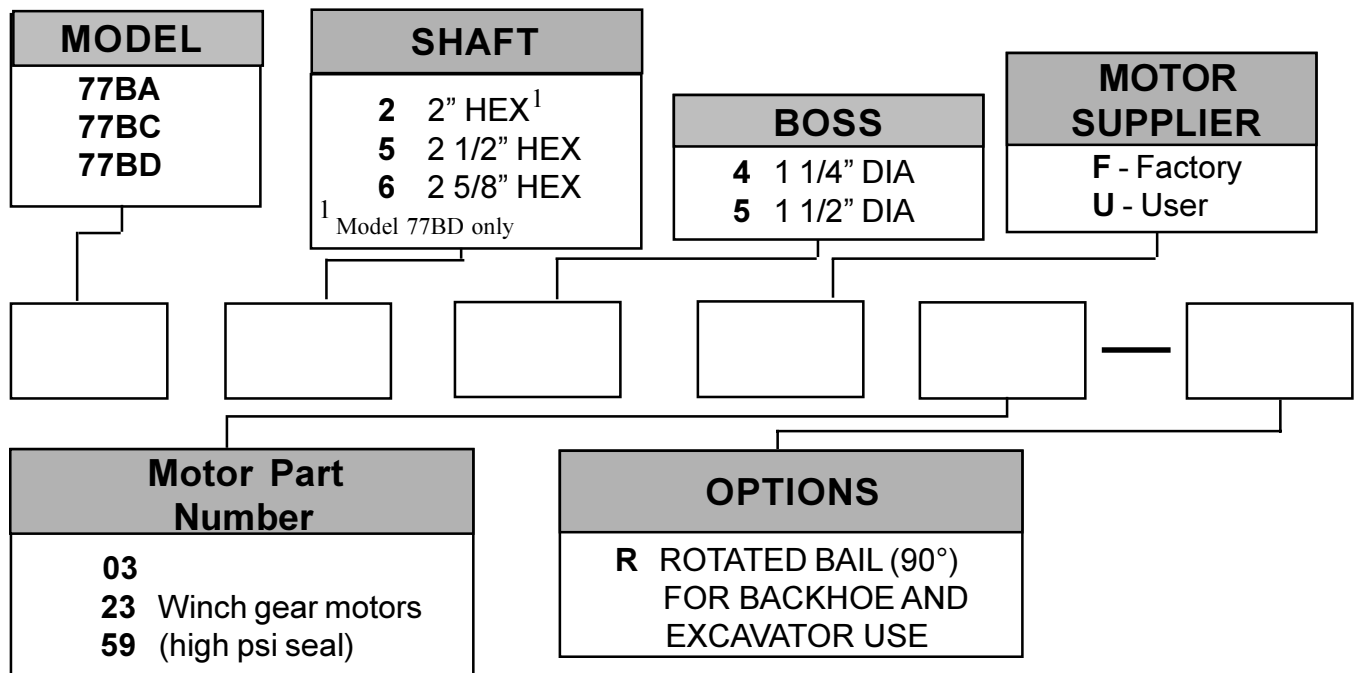
Performance Data

MODEL	GEAR RATIO	MOTOR	MOTOR PRESSURE Δpsi (Δbar)	FLOW gpm (l/min)	RATED TORQUE* ft-lb. (N-m)	SPEED rpm
77BA	70:1	03/59	2,400 (166)	40 (152)	12,000 (16,272)	19
77BC	46:1	03/59	2,400 (166)	40 (152)	8,000 (10,848)	30
77BD	38:1	03/59	2,400 (166)	40 (152)	6,500 (8,814)	36

* Maximum intermittent value.

NOTES:

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



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