



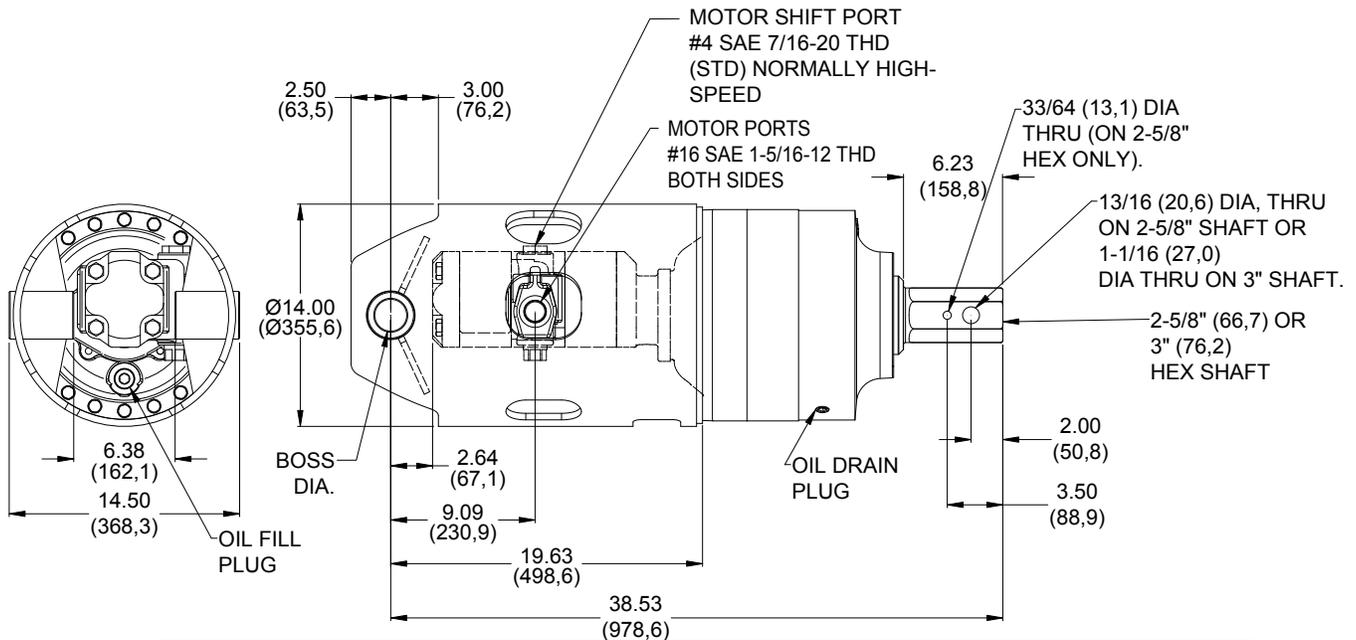
75 Series DiggerDrive™

4,300 TO 20,000 FT-LB TORQUE

Data Sheet PS75_5_09

The series 75, "Hydrasync" uses a high-efficiency double planetary for high torque requirements, like foundation anchor installation and drilling larger holes for piers. The 75 can provide a cost saving alternative to other single-purpose equipment.

The 75 is now available with automatic "Kickdown" option (when operations require it). The digger will shift to low-speed, high-torque position while you keep digging. There is no need for an additional hydraulic line to shift the motor. This option requires a motor with a high-pressure shaft seal.



TWO-SPEED, SHIFT-ON-THE-FLY OR OPTIONAL SINGLE SPEED
HEAVY DUTY, HIGH EFFICIENCY, DOUBLE PLANETARY DRIVE
SHAFT SIDE LOADING NOT RECOMMENDED.

TECHNICAL SPECIFICATIONS

MOTOR MOUNT: SAE "C" 2-BOLT AND 4-BOLT
MOTORS: 1 & 2-SPEED SPEED GEAR TYPE
RATED OUTPUT TORQUES: TO 20,000 ft-lb (27,112 N-m)
MAXIMUM SYSTEM PRESSURE: 2,750 psi (189,7 bar)
MAXIMUM SHIFTING PRESSURE: 300 psi (20,7 bar), 2,750 psi (189,7 bar) MAXIMUM
MOTOR CASE DRAIN: REQUIRED
OUTPUT SHAFT OPTIONS: 2-5/8" (66,7 mm) OR 3" (76,2mm) HEX
SHAFT PULL-OUT LOAD: 30,000 lb (13,638 kgf)
SHAFT PRESSURE LOAD: 30,000 lb (13,638 kgf)
OIL CAPACITY: 10 pts (4,76 l)
BAIL BOSS DIAMETER: 1.51" (38,35 mm) OR 2.01" (51,05mm)
WEIGHT: 510 lb (231,8 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
PHONE: (913) 782-1238 • FAX: (913) 782-4206

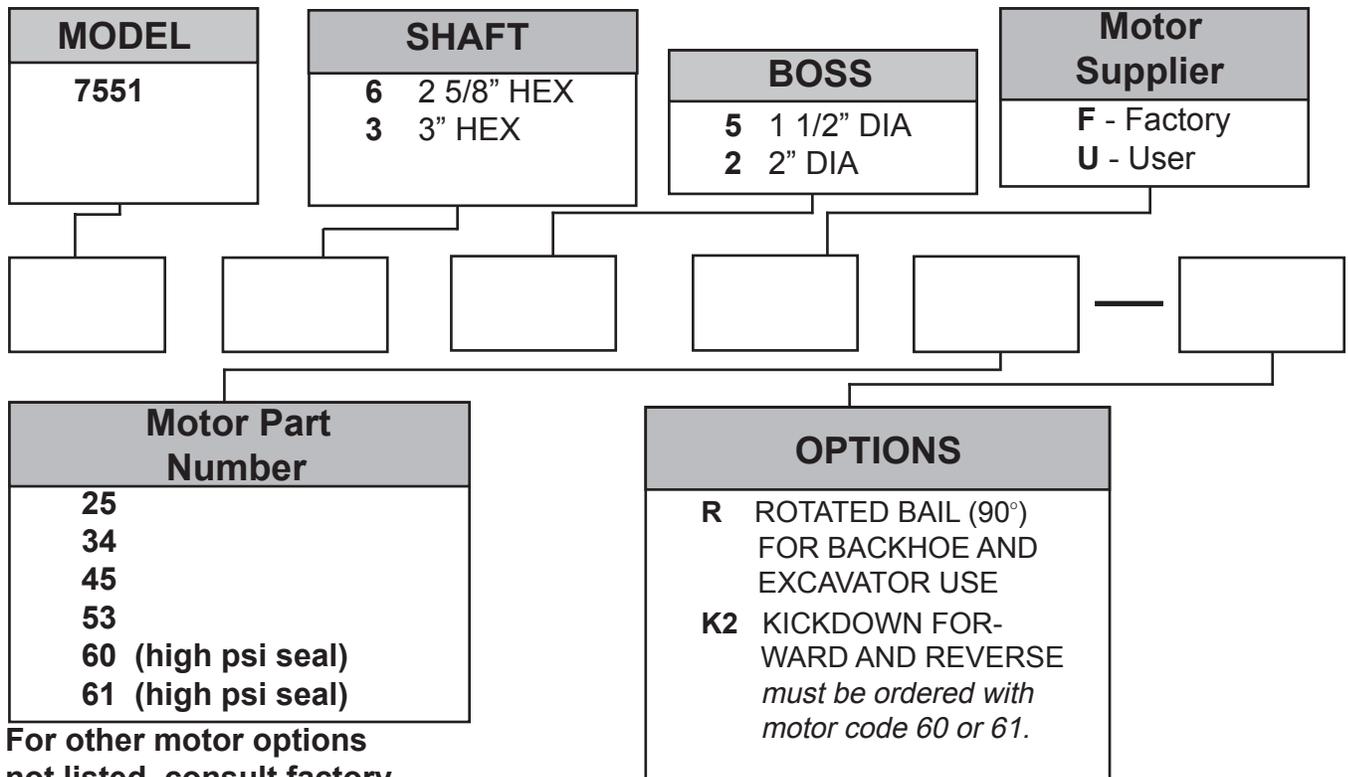
WEBSITE: www.eskridgeinc.com • E-MAIL: sales@eskridgeinc.com

Performance Data

MODEL	GEAR RATIO	MOTOR	MOTOR PRESSURE Δ psi (Δ bar)	FLOW gpm (l/min)	RATED TORQUE*/SPEED	
					ft-lb. (N-m)	rpm
					HIGH SPEED	LOW SPEED
75-51	51:1	25/60	2,400 (166)	40 (152)	4,300(5,830)/42 rpm	13,800(18,710)/16rpm
		34	2,400 (166)	40 (152)	--	17,000(23,048)/13 rpm
		45/61	2,400 (166)	40 (152)	7,200(9,761)/25 rpm	17,300(23,456)/13rpm
		53/61	2,750(190)	40 (152)	8,200(11,117)/25 rpm	20,000(27,116)/13rpm

* 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). *Kickdown version can tolerate 500 psi backpressure, max.*
- MAXIMUM FLOW RATE IS DEPENDENT UPON MOTOR DISPLACEMENTS.
- HIGH ALLOY HEAT TREATED BAIL BOSS PINS REQUIRED (CUSTOMER PROVIDED).



For other motor options not listed, consult factory.

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