

# AUGER DRIVES EXCAVATOR 18 - 30T (39,700lbs - 66,100lbs)



## 2-SPEED AUGER DRIVES

### TWO SPEED

| MODEL                           | 20DDT           | 25DDT        | 30DDT        |
|---------------------------------|-----------------|--------------|--------------|
| Max Torque ft-lbs @ 3500 Psi    | 20,309          | 25,027       | 31,489       |
| Recommended Flow (Gpm)          | 20-53           | 20-53        | 20-53        |
| Motor Type                      | EATON           | EATON        | EATON        |
| Max Pressure - Do Not Exceed    | 3500psi @ 39gpm |              |              |
| Max Flow - Do Not Exceed        | 53gpm @ 2600psi |              |              |
| Max Horse Power                 | 80              | 80           | 80           |
| Pressure Relief Valve           | Included        | Included     | Included     |
| Standard Output Shaft           | 100mm Square    | 100mm Square | 100mm Square |
| Recommended Auger               | RC10 / RC11     | RC10 / RC11  | RC10 / RC11  |
| Max Auger Diameter Clay/shale** | 60"             | 60"          | 60"          |
| Max Auger Diameter Earth**      | 72"             | 72"          | 72"          |
| Weight (lbs)                    | 670             | 670          | 670          |
| Overall Length (in)             | 45.9"           | 45.9"        | 45.9"        |
| Diameter (in)                   | 14"             | 14"          | 14"          |

### 20DDT

| GPM | OUTPUT SPEED           |                         | PSI   | OUTPUT TORQUE          |                         |
|-----|------------------------|-------------------------|-------|------------------------|-------------------------|
|     | HI TORQUE<br>LOW SPEED | LO TORQUE<br>HIGH SPEED |       | HI TORQUE<br>LOW SPEED | LO TORQUE<br>HIGH SPEED |
| 20  | 11                     | 16                      | 1,000 | 5,803                  | 3,830                   |
| 30  | 16                     | 24                      | 1,500 | 8,704                  | 5,745                   |
| 40  | 21                     | 32                      | 2,000 | 11,605                 | 7,659                   |
| 53  | 28                     | 42                      | 2,500 | 14,506                 | 9,574                   |
|     |                        |                         | 3,000 | 17,408                 | 11,489                  |
|     |                        |                         | 3,500 | 20,309                 | 13,404                  |

### 25DDT

| GPM | OUTPUT SPEED           |                         | PSI   | OUTPUT TORQUE          |                         |
|-----|------------------------|-------------------------|-------|------------------------|-------------------------|
|     | HI TORQUE<br>LOW SPEED | LO TORQUE<br>HIGH SPEED |       | HI TORQUE<br>LOW SPEED | LO TORQUE<br>HIGH SPEED |
| 20  | 9                      | 13                      | 1,000 | 7,151                  | 4,719                   |
| 30  | 13                     | 19                      | 1,500 | 10,726                 | 7,079                   |
| 40  | 17                     | 26                      | 2,000 | 14,301                 | 9,439                   |
| 53  | 23                     | 34                      | 2,500 | 17,876                 | 11,798                  |
|     |                        |                         | 3,000 | 21,452                 | 14,158                  |
|     |                        |                         | 3,500 | 25,027                 | 16,518                  |

### 30DDT

| GPM | OUTPUT SPEED           |                         | PSI   | OUTPUT TORQUE          |                         |
|-----|------------------------|-------------------------|-------|------------------------|-------------------------|
|     | HI TORQUE<br>LOW SPEED | LO TORQUE<br>HIGH SPEED |       | HI TORQUE<br>LOW SPEED | LO TORQUE<br>HIGH SPEED |
| 20  | 7                      | 10                      | 1,000 | 8,997                  | 5,938                   |
| 30  | 10                     | 15                      | 1,500 | 13,495                 | 8,907                   |
| 40  | 14                     | 21                      | 2,000 | 17,994                 | 11,876                  |
| 53  | 18                     | 27                      | 2,500 | 22,492                 | 14,845                  |
|     |                        |                         | 3,000 | 26,991                 | 17,814                  |
|     |                        |                         | 3,500 | 31,489                 | 20,783                  |

## ESSENTIALLY 2 DRIVE UNITS IN ONE

Save time and money by eliminating the need for multiple drive units.

### LOW SPEED - HIGH TORQUE

Ideal for drilling with large diameter augers or hard fracturable rock.

### HIGH SPEED - LOW TORQUE

Ideal for small diameter augers or softer soils where speed is needed.

Switch to high speed for added spin off speed for clearing larger diameter augers.

## FEATURES

- Compact high torque Digga gearbox
- Fitted with high efficiency Eaton VIS motor
- Integrated PRV (Pressure Relief Valve)
- Extreme duty shaft locking system
- Low maintenance with 5 year gear box and 3 year motor warranty



## FOR BETTER DRILLING ACCURACY ADD DIGGALIGN (Sold Separately)



Output speed and torque specifications are THEORETICAL. Speed and torque output are dependent on the overall system efficiencies associated with the prime movers hydraulic system. This document should be used for information and comparative purposes only. When determining criteria, & application specific information is required, please contact DIGGA.

(\*) Max/min drilling diameter (DIA) dependant on ground conditions. Guide is a recommendation only.

# AUGERS TO SUIT 20DDT, 25DDT & 30DDT

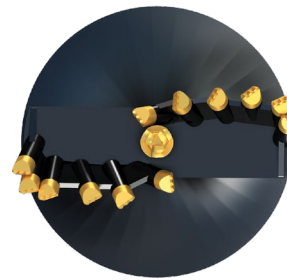
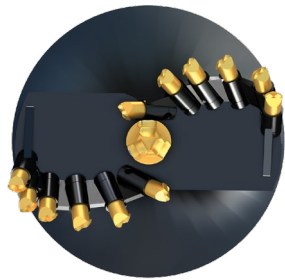


## FEATURES

- TRU-CUT – a 12" auger cuts a 12" hole, no more oversized holes!
- Over 30 years of auger design and manufacture has resulted in an extremely efficient cutting head design and optimum flight pitches to provide maximum soil removal in all ground conditions.
- Made in the USA
- Easy knock in and out teeth requires no special tools

## COMBINATION ROCK & EARTH AUGER

- Dig holes in earth conditions, clay, asphalt, concrete and fracturable rock
- All purpose cutting heads - no more interchanging cutting heads & using multiple augers
- Available Size, 6" to 60"
- 60" Overall length



## SCREW ANCHOR APPLICATIONS

### DIGGA OFFERS A FULL RANGE OF 2 SPEED ANCHOR DRIVES SPECIFICALLY DESIGNED FOR HELICAL PILE AND SCREW ANCHORING APPLICATIONS.

Developed in conjunction with leading screw anchor / helical pile installers around the world, Digga brings you the only true anchor drives available. Designed and manufactured in-house specifically for the rigours of the application.

## FEATURES

- Fitted with ECV (Energy Control Valve) to prevent rapid decompression of oil, caused by the reverse energy created by pile kick-back.
- Fitted with high efficiency Eaton VIS motor
- Integrated PRV (Pressure Relief Valve)
- Extreme duty shaft locking system
- Low maintenance with 3 year gearbox and 2 year motor warranty

NOT AVAILABLE FOR RETROFIT ON  
2 SPEED DRILLING DRIVES

### ENERGY CONTROL VALVE



*This revolutionary bypass valve is fitted to the drive to control the rapid decompression of oil caused by pile kick-back during the screw anchoring process.*

