HORIZONTAL DIRECTIONAL DRILLS

AMERICAN AUGERS.

ABOUT AMERICAN AUGERS MID-SIZE AND MAXI-RIG HDD

American Augers' HDD line grew from a successful auger boring history, building original units for many of today's industry leaders. Over 3 decades of customer input, operation, and successful installations led many of the advancements in the HDD Line. Today, American Augers' HDD equipment sets the standard in pipeline and large utility installation around the world.

American Augers is committed to manufacturing equipment that helps to preserve the sanctity of the global environment and has done so by reducing noise and/or emissions outputs and emphasizing the fact that our trenchless technology equipment requires little or no open cutting, which has minimal impacts on natural surfaces, features, or habitats. MID-SIZE HDD



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DD-240T

MAXI-RIG HDD







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DD-440 Trailer

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BUILT FROM MAXI-RIG LINEAGE



Power Train

Engine: Cummins QSB6.7 Tier 3, Tier 4 Final or Stage V Rating: 260 HP (193.9 kW) Fuel Capacity: 81 U.S. gallons (308 L) Hydraulic Capacity: 107 U.S. gallons (405 L) Hydraulic Filter: 6 Micron ABS Battery: (2) Deka 908DME, 12 V, 1450 CCA

Carriage System

Rack & Pinion: (4) Pinion drive with adjustable force limiter Max. Thrust/Pullback: 110,000 lbs. (50 tonnes) Max Carriage Speed: 170 ft. (52 m)/minute Carriage Motors: (4) Radial piston/dual displacement **Carriage Brakes:** (2) Spring applied/hydraulic release **Carriage Gearbox:** (4) Planetary gearboxes

Rotary Drive

(1) Pinion and gear drive with infinitely adjustable torque limiter Max. Rotary Torque: 15,000 ft-lbs. (20,337 Nm) Max. Rotary Speed: 150 RPM Rotary Motor: (1) Radial piston variable **Rotary Brakes:** (1) Spring applied/hydraulic release Fluid Course: 2 in. (50 mm) Max. Flow: 250 U.S. gallons (946 L)/minute Max. Pressure: 1,500 psi (103 bar)

Wrench

Wrench Design: Open Top Max. Breakout Torque: 32,000 ft-lbs. (43,386 Nm) Max. Makeup Torque: 26,000 ft-lbs. (35,251 Nm) Clamp/Grip Range: 2 7/8 in. - 4 1/8 in. (73-105 mm)

Drill Rig Drill Angle: 10°-18° **Drill Pipe:** 20 ft. (6.1 m)

Fluid Pump Triplex Piston Pump Max Flow: 200 U.S. gallons (760 L)/minute

- Quiet-Pak® engine enclosure to reduce engine noise
- Articulated cabin provides exceptional visibility and comfort
- Dual joystick controls with integral function switches

MID-SIZE HDD



Dimensions/Weights Length: 35.583 ft. (10.84 m) Height: 9.5 ft. (2.87 m) Width: 8.167 ft. (2.49 m) Transport Weight w/ Wrenches: 47,074 lbs. (21,352 kg)

- Extended pipeloader lift enables pipe boxes to be changed without shutting down

- Wire-line ready and equipped with the latest HDD technology and PinPoint® telematics



D-240 THE MOST CUSTOMIZABLE RIG IN THE INDUSTRY



Power Train

Engine: MTU 6R1300 Tier 3 or Tier 4 Final Rating: 523 HP (390 kW) Fuel Capacity: 178 U.S. gallons (674 L) Hydraulic Capacity: 120 U.S. gallons (454 L) **Hydraulic Filter:** 6 Micron ABS Battery: (2) Deka 908DME, 12 V, 1450 CCA

Carriage System

Rack & Pinion: (4) Pinion drive with adjustable force limiter Max. Thrust/Pullback: 240,000 lbs. (108 tonnes) Max Carriage speed: 150 ft. (46 m)/minute **Carriage Motors:** (4) Axial piston/dual displacement **Carriage Brakes:** (2) Spring applied/hydraulic release **Carriage Gearbox:** (4) Planetary gearbox

Rotary Drive

(2) Pinion and gear drive with infinitely adjustable torque limiter Max. Rotary Torque: 43,900 ft-lbs. (59,520 Nm) Max. Rotary Speed: 150 RPM Rotary Motor: (2) Radial piston variable Rotary Brakes: (1) Spring applied/hydraulic release Fluid Course: 3 in. (76 mm) Max. Flow: 650 U.S. gallons (2,460 L)/minute Max. Pressure: 1,500 psi (103 bar)

Wrench

Wrench Design: Closed Top Max. Breakout Torque: 80,000 ft-lbs. (108,465 Nm) Max. Makeup Torque: 67,000 ft-lbs. (85,010 Nm) **Clamp/Grip Range:** 4.5 in. - 9.5 in. (114-241 mm)

Drill Rig Drill Angle: 10°-18°

Drill Pipe: Range II

Fluid Pump

Quintuplex Piston Pump Max Flow: 300 U.S. gallons (1136 L)/minute

- Flexible Operator Control settings for reduced training time
- Quiet-Pak® technology surrounding the engine compartment
- and on-board/off-board pump
- Full length traveling wrenches
- Equipped with the latest HDD technology and PinPoint® telematics

MID-SIZE HDD

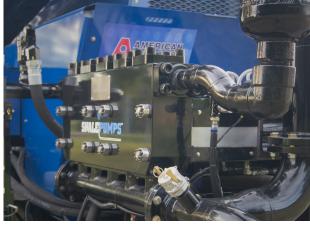




Dimensions/Weights Length: 52.5 ft. (19.05 m) Height: 11.5 ft. (3.5m) Width: 8.167 ft. (2.5 m) Transport Weight, Standard Configuration, w/o Wrenches: 75,368 lbs. (34,186 kg)

- Optional features include patented on board/off board cabin, pipe loader,





SETTING THE STANDARD FOR HDD



Power Train

Engine: Cummins QSX15 Tier 3 or Tier 4 Final Rating: 600 HP (447 kW) Fuel Capacity: 160 U.S. gallons (605 L) Hydraulic Capacity: 200 U.S. gallons (757 L) Hydraulic Filter: 6 Micron ABS Battery: (2) Deka 908DMF, 24 V, 1450 CCA



Carriage System

Rack & Pinion: (2) Pinion drive with adjustable force limiter Max. Thrust/Pullback: 440,000 lbs. (200 tonnes) Max Carriage speed: 95 ft. (29 m)/minute **Carriage Motors:** (2) Radial piston/dual displacement Carriage Brakes: (2) Spring applied/hydraulic release Carriage Gearbox: (2) Planetary gearboxes

Rotary Drive

(3) Pinion and gear drive with infinitely adjustable torque limiter Max. Rotary Torque: 60,000 ft-lbs. (80,000 Nm) Max. Rotary Speed: 97 RPM Rotary Motor: (3) Axial piston variable **Rotary Brakes:** (2) Spring applied/hydraulic release Fluid Course: 3.5 in. (88.9 mm) Max. Flow: 825 U.S. gallons (3,122 L)/minute Max. Pressure: 1,500 psi (103 bar)

Wrench

Wrench Design: Closed Top Max. Breakout Torque: 230,000 ft-lbs. (311,839 Nm) Max. Makeup Torque: 152,000 ft-lbs. (206,084 Nm) Clamp/Grip Range: 3 -11 3/4 in. (76-298 mm)

Drill Rig Drill Angle: 10°-18° Drill Pipe: Range II

- The standard in pipeline and large utility installation
- Added hose carrier for traveling wrench
- Equipped with the latest HDD technology and PinPoint® telematics
- Optional rotary motor to 80,000 ft-lbs

Length: 50.75 ft. (15.47 m) Height: 11.833 ft. (3.61 m) Width: 8.167 ft. (2.51 m) Total Weight: 98,060 lbs. (44,479 kg) Transport Weight w/o Wrenches: 90,260 lbs. (40,941 kg)

MAXI-RIG HDD







Dimensions/Weights



440 TRAILER



Power Train

Engine: (2) MTU Tier 4 Final 6R100 Rating: 348 HP (260 kW) Fuel Capacity: 285 U.S. gallons (1079 L) Hydraulic Capacity: 230 U.S. gallons (871 L) Hydraulic Filter: 6 Micron ABS Battery: (2) Deka 908DMF, 24 V, 1450 CCA



Carriage System

Rack & Pinion: (2) Pinion drive with adjustable force limiter Max. Thrust/Pullback: 440,000 lbs. (200 tonnes) Max Carriage speed: 94 ft. (29 m)/minute Carriage Motors: (2) Radial piston/dual displacement **Carriage Brakes:** (2) Spring applied/hydraulic release Carriage Gearbox: (2) Planetary gearboxes

Rotary Drive

(3) Pinion and gear drive with infinitely adjustable torque limiter Max. Rotary Torque: 65,000 ft-lbs. (88,128 Nm) Max. Rotary Speed: 133 RPM **Rotary Motor:** (3) Radial piston variable Rotary Brakes: (2) Spring applied/hydraulic release Fluid Course: 3.5 in. (88.9 mm) Max. Flow: 825 U.S. gallons (3,123 L)/minute Max. Pressure: 1,500 psi (103 bar)

Wrench

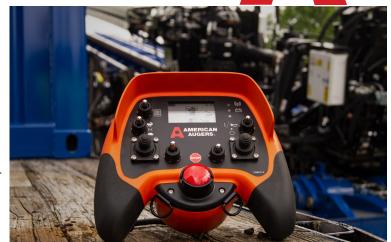
Wrench Design: Closed Top Max. Breakout Torque: 230,000 ft-lbs. (311,839 Nm) Max. Makeup Torque: 152,000 ft-lbs. (206,084 Nm) Clamp/Grip Range: 3 -11 3/4 in. (76-298 mm)

Drill Rig Drill Angle: 10°-18° Drill Pipe: Range II

- Dual engines with ROOTS (Run On One Technology System)
- Industry exclusive, patent pending, rotary free spin
- Equipped with the latest HDD technology and PinPoint® telematics
- All setup functions are remote controlled for ease and efficiency
- Optional 4th rotary motor to 86,600 ft-lbs

Length: 52 ft. (15.85 m) Height: 13.417 ft. (4.09 m) Width: 8.5 ft. (2.59 m) Total Weight: 94,260 lbs. (42,755 kg) Transport Weight w/o Wrenches: 86,260 lbs. (39,127 kg)

MAXI-RIG HDD





Dimensions/Weights

660RS A STAPLE FOR PIPELINE AND LARGE UTILITY



Power Train Engine: Cummins QSX15 Tier 4 Final **Rating:** 600 HP (447 kW) Fuel Capacity: 650 U.S. gallons (2,460 L) Hydraulic Capacity: 220 U.S. gallons (833 L) **Hydraulic Filter:** 6 Micron ABS Aux. Power Unit: Hatz 1B40 Diesel 9.9 HP (7.38 kW)

Carriage System

Rack & Pinion: (4) Pinion drive with adjustable force limiter Max. Thrust/Pullback: 660,000 lbs. (300 tonnes) Max Carriage speed: 107 ft. (33 m)/minute Carriage Motors: (4) Radial piston/dual displacement Carriage Brakes: (4) Spring applied/hydraulic release **Carriage Gearbox:** (4) Planetary gearboxes

Rotary Drive

(4) Pinion and gear drive with infinitely adjustable torque limiter Max. Rotary Torque: 80,000 ft-lbs. (108,460 Nm) Max. Rotary Speed: 90 RPM Rotary Motor: (4) Axial piston variable **Rotary Brakes:** (2) Spring applied/hydraulic release Fluid Course: 3.5 in. (88.9 mm) Max. Flow: 825 U.S. gallons (3,123 L)/minute Max. Pressure: 1,500 psi (103 bar)

Wrench

Wrench Design: Closed Top Max. Breakout Torque: 210,000 ft-lbs. (285,000 Nm) Max. Makeup Torque: 100,183 ft-lbs. (135,252 Nm) Clamp/Grip Range: 3.5 in. - 10.5 in. (89-267 mm)

Drill Rig Drill Angle: 10°-18° Drill Pipe: Range II

- Rapid Setup will get you working faster
- Optional Pipe loader transports with the rig
- Touch-screen console and PinPoint® telematics

Dimensions/Weights Length: 64.5 ft. (19.52 m) **Height:** 11.583 ft. (3.68 m) Width: 8.167 ft. (2.48 m) Total Weight: 108,000 lbs. (48,988 kg) Transport Weight w/o Wrenches: 99,000 lbs. (44,906 kg)

MAXI-RIG HDD





DD-1100RS EASE OF MOBILITY - MAXIMUM POWER



Power Train Engine: Caterpillar C-18 Tier 4 Final **Rating:** 755 HP (563 kW) Fuel Capacity: 650 U.S. gallons (2,460 L) Hydraulic Capacity: 220 U.S. gallons (833 L) Hydraulic Filter: 6 Micron ABS Aux. Power Unit: Hatz 1B40 Diesel 9.9 HP (7.38 kW)

Carriage System

Rack & Pinion: (6) Pinion drive with adjustable force limiter Max. Thrust/Pullback: 1,100,000 lbs. (500 tonnes) Max Carriage speed: 105 ft. (32 m)/minute Carriage Motors: (6) Radial piston/dual displacement Carriage Brakes: (6) Spring applied/hydraulic release **Carriage Gearbox:** (6) Planetary gearboxes

Rotary Drive

(4) Pinion and gear drive with infinitely adjustable torque limiter Max. Rotary Torque: 100,000 ft-lbs. (136,000 Nm) Max. Rotary Speed: 75 RPM **Rotary Motor:** (4) Axial piston variable **Rotary Brakes:** (4) Spring applied/hydraulic release Fluid Course: 4 in. (102 mm) Max. Flow: 1,000 U.S. gallons (3,785 L)/minute **Max. Pressure:** 1,500 psi (103 bar)

Wrench

Wrench Design: Closed Top Max. Breakout Torque: 220,000 ft-lbs. (298,000 Nm) Max. Makeup Torque: 150,000 ft-lbs. (203,000 Nm) Clamp/Grip Range: 3.5 in. - 10.5 in. (89-267 mm)

Drill Rig **Drill Angle:** 10°-18° Drill Pipe: Range II

- Over 1 million lbs. of push/pull power
- Rapid setup will get you working faster

Length: 65.083 ft. (19.837 m) Height: 11.667 ft. (3.56 m) Width: 8.333 ft. (2.53 m) Total Weight: 108,000 lbs. (48,988 kg) Transport Weight w/o Wrenches: 103,000 lbs. (47,763 kg)

MAXI-RIG HDD





- The ease of mobility and versatility with world record strength 2.05 miles (3300 m) of 18 in. (460 mm) pipe

Dimensions/Weights

HORIZONTAL DIRECTIONAL DRILLS

DD-110

Power Train

Engine: Cummins QSB6.7 Tier 3, Tier 4 Final, or Stage V Rating: 260 HP (193.9 kW) Fuel Capacity: 81 U.S. gallons (308 L) Hydraulic Capacity: 107 U.S. gallons (405 L) Hydraulic Filter: 6 Micron ABS Battery: (2) Deka 908DME, 12 V, 1450 CCA

Carriage System

Rack & Pinion: (4) Pinion drive with adjustable force limiter

Max. Thrust/Pullback: 110,000 lbs. (50 tonnes) Max Carriage Speed: 170 ft. (52 m)/minute Carriage Motors: (4) Radial piston/dual displacement **Carriage Brakes:** (2) Spring applied/hydraulic release Carriage Gearbox: (4) Planetary gearboxes

Rotary Drive

(1) Pinion and gear drive with infinitely adjustable torque limiter Max. Rotary Torgue: 15,000 ft-lbs. (20,337 Nm) Max. Rotary Speed: 150 RPM Rotary Motor: (1) Radial piston variable Rotary Brakes: (1) Spring applied/hydraulic release Fluid Course: 2 in. (50 mm) Max. Flow: 250 U.S. gallons (946 L)/minute Max. Pressure: 1,500 psi (103 bar)

Wrench

Wrench Design: Open Top Max. Breakout Torque: 32,000 ft-lbs. (43,386 Nm) Max. Makeup Torque: 26,000 ft-lbs. (35,251 Nm) Clamp/Grip Range: 27/8 in. - 41/8 in. (73-105 mm)

Drill Rig Drill Angle: 10°-18° Drill Pipe: 20 ft. (6.1 m)

DD-240T

Power Train Engine: MTU 6R1300 Tier 4 Final Rating: 523 HP (390 kW)

Fuel Capacity: 178 U.S. gallons (674 L) Hydraulic Capacity: 120 U.S. gallons (454 L) Hydraulic Filter: 6 Micron ABS Battery: (2) Deka 908DME, 12 V, 1450 CCA

Carriage System

limiter Max. Thrust/Pullback: 240,000 lbs. (108 tonnes) Max Carriage speed: 150 ft. (46 m)/minute Carriage Motors: (4) Axial piston/dual displacement Carriage Brakes: (2) Spring applied/hydraulic release Carriage Gearbox: (4) Planetary gearbox

Rack & Pinion: (4) Pinion drive with adjustable force

Rotary Drive

(2) Pinion and gear drive with infinitely adjustable torque limiter Max. Rotary Torque: 43,900 ft-lbs. (59,520 Nm) Max. Rotary Speed: 150 RPM Rotary Motor: (2) Radial piston variable Rotary Brakes: (1) Spring applied/hydraulic release Fluid Course: 3 in. (76 mm) Max. Flow: 650 U.S. gallons (2,460 L)/minute Max. Pressure: 1,500 psi (103 bar)

Wrench

Wrench Design: Closed Top Max. Breakout Torque: 80,000 ft-lbs. (108,465 Nm) Max. Makeup Torque: 67,000 ft-lbs. (85,010 Nm)

Clamp/Grip Range: 4.5 in. - 9.5 in. (114-241 mm)

Drill Rig Drill Angle: 10°-18° Drill Pipe: Range II

DD-440T

Power Train

Engine: Cummins QSX15 Tier 3 or Tier 4 Final Rating: 600 HP (447 kW) Fuel Capacity: 160 U.S. gallons (605 L) Hydraulic Capacity: 200 U.S. gallons (757 L) Hydraulic Filter: 6 Micron ABS Battery: (2) Deka 908DMF, 24 V, 1450 CCA

Carriage System

Rack & Pinion: (2) Pinion drive with adjustable force limiter

Max. Thrust/Pullback: 440,000 lbs. (200 tonnes) Max Carriage speed: 95 ft. (29 m)/minute Carriage Motors: (2) Radial piston/dual displacement **Carriage Brakes:** (2) Spring applied/hydraulic release Carriage Gearbox: (2) Planetary gearboxes

Rotary Drive

(3) Pinion and gear drive with infinitely adjustable torque limiter Max. Rotary Torque: 60,000 ft-lbs. (80,000 Nm) Max. Rotary Speed: 97 RPM Rotary Motor: (3) Axial piston variable Rotary Brakes: (2) Spring applied/hydraulic release Fluid Course: 3.5 in. (88.9 mm) Max. Flow: 825 U.S. gallons (3,122 L)/minute Max. Pressure: 1,500 psi (103 bar)

Wrench

Wrench Design: Closed Top Max. Breakout Torque: 230,000 ft-lbs. (311,839 Nm) Max. Makeup Torque: 152,000 ft-lbs. (206,085 Nm)

Clamp/Grip Range: 3 in. - 11 3/4 in. (76-298 mm)

Drill Rig Drill Angle: 10°-18° Drill Pipe: Range II

DD-440 Trailer

Power Train

Engine: (2) MTU Tier 4 Final 6R100 Rating: 348 HP (260 kW) Fuel Capacity: 285 U.S. gallons (1080 L) Hydraulic Capacity: 230 U.S. gallons (870 L) Hydraulic Filter: 6 Micron ABS Battery: (2) Deka 908DMF, 24 V, 1450 CCA

Carriage System

Rack & Pinion: (2) Pinion drive with adjustable force limiter

Max. Thrust/Pullback: 440,000 lbs. (200 tonnes) Max Carriage speed: 94 ft. (28.6 m)/minute Carriage Motors: (2) Radial piston/dual displacement **Carriage Brakes:** (2) Spring applied/hydraulic release Carriage Gearbox: (2) Planetary gearboxes

Rotary Drive

(3) Pinion and gear drive with infinitely adjustable torque limiter Max. Rotary Torque: 65,000 ft-lbs. (88,128 Nm) Max. Rotary Speed: 130 RPM Rotary Motor: (3) Axial piston variable Rotary Brakes: (2) Spring applied/hydraulic release Fluid Course: 3.5 in. (88.9 mm) Max. Flow: 825 U.S. gallons (3,122 L)/minute Max. Pressure: 1,500 psi (103 bar)

Wrench

Wrench Design: Closed Top Max. Breakout Torque: 230,000 ft-lbs. (311,839 Nm) Max. Makeup Torque: 52,000 ft-lbs. (206,085 Nm) **Clamp/Grip Range:** 3 in. - 11 3/4 in. (76-298 mm)

Drill Rig Drill Angle: 10°-18° Drill Pipe: Range II

DD-660RS

Dimensions/Weights Length: 64.5 ft. (19.52 m) Height: 11.583 ft. (3.68 m) Width: 8.167 ft. (2.48 m) Total Weight: 108,000 lbs. (49,988 kg) Transport Weight: 99,000 lbs. (44,906 kg)

TRANSPORTATION INFORMATION

DD-110

Dimensions/Weights Length: 35.583 ft. (10.84 m) **Height:** 9.5 ft. (2.87 m) Width: 8.167 ft. (2.49 m) Transport Weight: 47,074 lbs. (21,352 kg) **DD-240T**

Dimensions/Weights Length: 52.5 ft. (19.05 m) **Height:** 11.5 ft. (3.5 m) Width: 8.167 ft. (2.5 m) Transport Weight: 75,368 lbs. (34,186 kg)

DD-440T

Dimensions/Weights Length: 50.75 ft. (15.47 m) Height: 11.833 ft. (3.61 m) Width: 8.167 ft. (2.51 m) Total Weight: 98,060 lbs. (44,479 kg) Transport Weight: 90,260 lbs. (40,941 kg) **DD-440 Trailer**

Dimensions/Weights

Height: 13.417 ft. (4.09 m)

Total Weight: 94,260 lbs. (42,755 kg)

Transport Weight: 86,260 lbs. (39,127 kg)

Length: 52 ft. (15.85 m)

Width: 8.5 ft. (2.59 m)

DD-660RS

Power Train Rating: 600 HP (447 kW) Hydraulic Filter: 6 Micron ABS

Carriage System limiter

Rotary Drive

torque limiter Max. Rotary Speed: 90 RPM Fluid Course: 3.5 in. (88.9 mm)

Wrench Wrench Design: Closed Top Max. Breakout Torque: 210,000 ft-lbs. (285,000 Nm) Max. Makeup Torque: 100,183 ft-lbs. (135,252 Nm) **Clamp/Grip Range:** 3.5 in. - 10.5 in. (89-267 mm)

Drill Rig Drill Angle: 10°-18° Drill Pipe: Range II

PERFORMANCE SPECIFICATIONS

Engine: Cummins QSX15 Tier 4 Final Fuel Capacity: 650 U.S. gallons (2,460 L) Hydraulic Capacity: 220 U.S. gallons (833 L) Aux. Power Unit: Hatz 1B40 Diesel 9.9 HP (7.38 kW)

Rack & Pinion: (4) Pinion drive with adjustable force

Max. Thrust/Pullback: 660,000 lbs. (300 tonnes) Max Carriage speed: 107 ft. (33 m)/minute Carriage Motors: (4) Radial piston/dual displacement Carriage Brakes: (4) Spring applied/hydraulic release Carriage Gearbox: (4) Planetary gearboxes

(4) Pinion and gear drive with infinitely adjustable

Max. Rotary Torque: 80,000 ft-lbs. (108,460 Nm) Rotary Motor: (4) Axial piston variable Rotary Brakes: (2) Spring applied/hydraulic release Max. Flow: 825 U.S. gallons (3,123 L)/minute Max. Pressure: 1,500 psi (103 bar)

DD-1100RS

Power Train

Engine: Caterpillar C-18 Rating: 765 HP (570 kW) Fuel Capacity: 650 U.S. gallons (2,460 L) Hydraulic Capacity: 220 U.S. gallons (833 L) Hydraulic Filter: 6 Micron ABS Aux. Power Unit: Hatz 1B40 Diesel 9.9 HP (7.38 kW)

Carriage System

Rack & Pinion: (6) Pinion drive with adjustable force limiter

Max. Thrust/Pullback: 1,100,000 lbs. (500 tonnes) Max Carriage speed: 105 ft. (32 m)/minute Carriage Motors: (6) Radial piston/dual displacement Carriage Brakes: (6) Spring applied/hydraulic release Carriage Gearbox: (6) Planetary gearboxes

Rotary Drive

(4) Pinion and gear drive with infinitely adjustable torque limiter Max. Rotary Torque: 100,000 ft-lbs. (136,000 Nm) Max. Rotary Speed: 75 RPM Rotary Motor: (4) Axial piston variable Rotary Brakes: (4) Spring applied/hydraulic release Fluid Course: 4 in. (102 mm) Max. Flow: 1,000 U.S. gallons (3,785 L)/minute Max. Pressure: 1,500 psi (103 bar)

Wrench

Wrench Design: Closed Top Max. Breakout Torque: 220,000 ft-lbs. (298,000 Nm) Max. Makeup Torque: 150,000 ft-lbs. (203,000 Nm) **Clamp/Grip Range:** 3.5 in. - 10.5 in. (89-267 mm)

Drill Rig

Drill Angle: 10°-18° Drill Pipe: Range II



DD-1100RS

Dimensions/Weights

Length: 65.083 ft. (19.837 m) Height: 11.667 ft. (3.56 m) Width: 8.333 ft. (2.53 m) Total Weight: 108,000 lbs. (48,988 kg) **Transport Weight:** 100,300 lbs. (47,763 kg)

**Note: All product performance specifications, components, weights, dimensions and other related information are subject to change without notice from the manufacturer.

AMERICAN AUGERS.

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