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TRENCOR

Trencher

T1060 Trencher



SPECIFICATIONS

Engine Tier 4 Final

- Engine Make MTU
- Engine Model 6R1100C30 TIER 4 FINAL
- Power HP (Kw) 375 (280) @ 1700 RPM
- Torque FT-LBS (Nm) 1401 @ 1300 RPM
- U.S. GAL/hr (L/hr) Full Power 17.3 (65.5)
- Fuel Capacity U.S. GAL. (L) 265 (1003)
- HYD Capacity U.S. GAL. (L) 167 (632)
- Hours Per Full Tank - Full Power 15.3
- Transmission Allison 4500



- DEF Capacity U.S. GAL. (L)25.4 (95)
- Variable- Reversing Engine Cooling FanHydraulic Drive

Chain Speed

- FT/MIN (M/MIN) - Tier 4 Final

- First Gear134 (41)
- Second Gear284 (87)
- Third Gear413 (126)
- Fourth Gear628 (191)
- Fifth Gear822 (250)
- Reverse Gear113 (34)

Chain Force

- LB (KN) - Tier 4 Final

- First Gear87,915 (391)
- Second Gear41,433 (184)
- Third Gear28,494 (127)
- Fourth Gear18,722 (83)
- Fifth Gear14,310 (64)
- Reverse Gear103,941 (462)
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Ground Specs

- Ground Speed Low
- MPG (KM/H)0.6 (0.9)
- Drawbar Pull Low (Max)
- LB (KN)132,161 (588)
- Ground Speed High (Max)
- MPH (KM/H)1.7 (2.7)
- Drawbar Pull High
- LB (KN)46,857 (208)
- Ground Bearing No Attach
PSI (BAR)10.88 (0.75)

Standard Attachments

- In (mm)

- Boom Width13 (330) 1-D8
- Trench Width X Max Depth16-24 (406-610) X 12'



- Boom Width 21 (553) 2-D6x10 (254)
- Trench Width X Max Depth 24-36 (610-915) X 10'
- Primary Boom Depth - FT (M) 6.5 (1.98)
- Boom Extensions - FT (M) 2 (.61), 4 (1.22)
- Standard Digging Depths - FT (M) 6-12 (1.83-3.66)

Dimensions - In (mm)

- MACHINE LENGTH, NO ATTACHMENTS 316.4 (8037)
- MACHINE WIDTH, NO ATTACHMENTS 98.7 (2507)
- MACHINE OVERALL WIDTH 98.7 (2507)
- MACHINE OVERALL HEIGHT 133.4 (3388)

Weights - LB. (Kg)

- MINIMUM OPERATING WEIGHT 90,000 (40,823)
- MAXIMUM OPERATING WEIGHT 110,000 (49,895)
- SHIPPING WEIGHT (NO CWT, BOOM, TRACKS) 70,000 (31,750)



T1360 Trencher



FEATURES

Long life mechanical large track trenchers that provide unmatched performance for decades.

- Increased cut width over previous model to 48"
- Clean trench bottom and re-usable backfill
- Reduced maintenance with fewer grease points
- Perfect for utility installation and small pipeline jobs
- Equipped with advanced load control software and PinPoint® telematics



SPECIFICATIONS

Engine Tier 4 Final

- Engine Make MTU
- Engine Model 6R1300C50
- Power HP (Kw) 509 (380) @ 1900 RPM
- Torque FT-LBS (N-m) 1755 @ 1300 RPM
- U.S. GAL/hr (L/hr) Full Power 22.1 (83.7)
- Fuel Capacity U.S. GAL. (L) 322 (1219)
- HYD Capacity U.S. GAL. (L) 190 (719)
- Hours Per Full Tank - Full Power 14.5
- Transmission Allison 4500
- DEF Capacity U.S. GAL. (L) 25.4 (95)
- Variable- Reversing Engine Cooling Fan Hydraulic Drive

Chain Speed Tier 4 Final

- First Gear 151 (46)
- Second Gear 320 (98)
- Third Gear 465 (142)
- Fourth Gear 708 (215)
- Fifth Gear N/A
- Reverse Gear 128 (39)

Chain Force Tier 4 Final

- First Gear 105,829 (471)
- Second Gear 49,875 (222)
- Third Gear 34,300 (153)
- Fourth Gear 22,537 (100)
- Fifth Gear N/A
- Reverse Gear 125,121 (557)

Ground Specs

- Ground Speed Low
- MPH (KM/H) 0.6 (0.9)
- Drawbar Pull Low (Max)
- LB (KN) 129,000 (574)



- Ground Speed High (Max)
- MPH (KM/H)1.6 (2.6)
- Drawbar Pull High - LB (KN)46,000 (205)
- Ground Bearing No Attach
PSI (BAR)13.71 (0.95)

Standard Attachments

- Boom Width13 (330) 1-D8
- Trench Width X Max Depth16-26 (406-660) X 18'
- Boom Width27 (686) 2-D8x12 (305)
- Trench Width X Max Depth28-40 (711-1016) X 14'
- Boom Width35 (889) 2-D8x20 (508)
- Trench Width X Max Depth38-48 (965-1219) X 12'
- Primary Boom Depth - FT (M)6.5 (1.98)
- Boom Extensions - FT (M)2 (.61), 4 (1.22), 8 (2.44)
- Standard Digging Depths - FT (M)6-16 (1.83-4.88)

Dimensions

- MACHINE LENGTH, NO ATTACHMENTS351.1 (8918)
- MACHINE WIDTH, NO ATTACHMENTS114.0 (2896)
- MACHINE OVERALL WIDTH117.7 (2990)
- MACHINE OVERALL HEIGHT145.1 (3686)

Weights

- MACHINE WEIGHT (MINER-NO CONVEYOR)104,000 (47173)
- MINIMUM OPERATING WEIGHT127,000 (57606)
- MAXIMUM OPERATING WEIGHT173,000 (78471)
- SHIPPING WEIGHT (NO CWT, BOOM, TRACKS)75,000 (34019)
- UNDERCARRIAGE WT TOTAL29000 (13150)



T14 Trencher



FEATURES

Long life mechanical large track trenchers that provide unmatched performance for decades.

- Built to withstand hard rock trenching
- Flexible boom designs for changing job requirements
- Chain speeds to match the most challenging formations and productivity requirements
- Improved mainframe design for increased strength and durability
- Clean trench bottom and re-usable backfill
- Equipped with advanced load control software and PinPoint telematics



SPECIFICATIONS

Engine Tier 4 Final

- Engine Make MTU
- Engine Model 6R1300C60
- Power HP (Kw) 617 (460) @ 1900 RPM
- Torque FT-LBS (N-m) 2139 @ 1300 RPM
- U.S. GAL/hr (L/hr) Full Power 27.5 (104.1)
- Fuel Capacity U.S. GAL. (L) 405 (1533)
- HYD Capacity U.S. GAL. (L) 255 (965)
- Hours Per Full Tank - Full Power 14.7
- Transmission Allison 6600
- DEF Capacity U.S. GAL. (L) 25.4 (95)
- Variable- Reversing Engine Cooling Fan Hydraulic Drive

Chain Speed Tier 4 Final - FT/MIN (M/MIN)

- First Gear 107 (33)
- Second Gear 143 (44)
- Third Gear 213 (65)
- Fourth Gear 288 (88)
- Fifth Gear N/A
- Reverse Gear 56 (17)

Chain Force - LB (KN) - Tier 4 Final

- First Gear 180,640 (804)
- Second Gear 135,480 (603)
- Third Gear 90,926 (404)
- Fourth Gear 67,303 (299)
- Fifth Gear N/A
- Reverse Gear 346,608 (1542)



Standard Attachments

- In (mm)

- Boom Width 27 (686) 2-D8x12 (305)
- Trench Width X Max Depth 28-40 (711-1016) X 20'
- Boom Width 35 (889) 2-D8x20 (508)
- Trench Width X Max Depth 38-48 (965-1219) X 16'
- Boom Width 47 (1194) 3-D8x16 (406)
- Trench Width X Max Depth 50-54 (1270-1372) X 14'
- Primary Boom Depth - FT (M) 8 (2.44)
- Boom Extensions - FT (M) 2 (.61), 4 (1.22), 8 (2.44)
- Standard Digging Depths - FT (M) 8-20 (2.44-6.10)

Ground Specs

- Ground Speed Low - MPH (KM/H) 0.4 (0.6)
- Drawbar Pull Low (Max) - LB (KN) 208,000 (925)
- Ground Speed High (Max) - MPH (KM/H) 1.2 (1.9)
- Drawbar Pull High - LB (KN) 75,000 (334)
- Ground Bearing No Attach PSI (BAR) 16.28 (1.12)

Dimensions - In (mm)

- MACHINE LENGTH, NO ATTACHMENTS 401.4 (10196)
- MACHINE WIDTH, NO ATTACHMENTS 139.7 (3548)
- MACHINE OVERALL WIDTH 151 (3835)
- MACHINE OVERALL HEIGHT 164.4 (4176)
- SHIPPING WIDTH 137.5 (3493)

Weights - LB. (Kg)

- MACHINE WEIGHT (MINER-NO CONVEYOR) 186,600 (84642)
- MINIMUM OPERATING WEIGHT 236,000 (107048)
- MAXIMUM OPERATING WEIGHT 278,000 (126099)
- SHIPPING WEIGHT (NO CWT, BOOM, TRACKS) 108,400 (49170)
- UNDERCARRIAGE WT TOTAL 50,000 (22680)
- COUNTERWEIGHT TOTAL 5,000 (2268)



T16 Trencher



FEATURES

Long life mechanical large track trenchers that provide unmatched performance for decades.

- Increased horsepower to 950 HP C27 in Tier 4 and Tier 2
- Built to withstand hard rock trenching
- Clean trench bottom and re-usable backfill
- Equipped with advanced load control software and PinPoint telematics



SPECIFICATIONS

Engine

- Engine MakeCAT
- Engine ModelC27
- POWER HP (Kw)950 @ 1800 RPM
- TORQUE FT-LBS (N-m)3206 lb-ft @ 1200 RPM
- U.S. GAL/hr (L/hr) FULL POWER47.5
- FUEL CAPACITY U.S. GAL. (L)596(2256)
- HYD CAPACITY U.S. GAL. (L)238(900)
- HOURS PER FULL TANK - FULL POWERN/A
- TRANSMISSIONAllison 8600
- DEF CAPACITY U.S. GAL. (L)N/A
- VARIABLE- REVERSING ENGINE COOLING FANHydraulic Drive

Chain Speed

- FIRST GEAR210
- SECOND GEAR288
- THIRD GEAR373
- FOURTH GEAR488
- FIFTH GEARN/A
- REVERSE GEAR85

Chain Force - LB (KN)

- FIRST GEAR141664
- SECOND GEAR103303
- THIRD GEAR79784
- FOURTH GEAR61104
- FIFTH GEARN/A
- REVERSE GEAR607838
- GROUND SPEED LOW - MPH (KM/H).40 MPH
- DRAWBAR PULL LOW (MAX) - LB (KN)233,000
- GROUND SPEED HIGH (MAX) - MPH (KM/H)1.5
- DRAWBAR PULL HIGH - LB (KN)62000



- GROUND BEARING NO ATTACH PSI (BAR)17.64
- CONVEYOR SPEED - FT/MIN (M/MIN)1461

Standard Attachments - In (mm)

- BOOM WIDTH27 (686) 2-D8x12 (305)
- TRENCH WIDTH X MAX DEPTH28-40 (711-1016) X 24'
- BOOM WIDTH35 (889) 2-D8x20 (508)
- TRENCH WIDTH X MAX DEPTH38-48 (965-1219) X 20'
- BOOM WIDTH55 (1397) 3-D8x20 (508)
- TRENCH WIDTH X MAX DEPTH58-60 (1473-1524) X 16'
- PRIMARY BOOM DEPTH - FT (M)8 (2.44)
- BOOM EXTENSIONS - FT (M)2 (.61), 4 (1.22), 8 (2.44)
- STANDARD DIGGING DEPTHS - FT (M)8-24 (2.44-7.32)

Dimensions - In (mm)

- MACHINE LENGTH, NO ATTACHMENTS435.4 (11060)
- MACHINE WIDTH, NO ATTACHMENTS153.2 (3891)
- MACHINE OVERALL WIDTH153.2 (3891)
- MACHINE OVERALL HEIGHT169.8 (4313)
- SHIPPING WIDTH148.3 (3767)

Weights - LB. (Kg)

- MACHINE WEIGHT (MINER-NO CONVEYOR)210,000 (95256)
- MINIMUM OPERATING WEIGHT240,000 (108862)
- MAXIMUM OPERATING WEIGHT320,000 (145149)
- SHIPPING WEIGHT (NO CWT, BOOM, TRACKS)135,000 (61236)
- UNDERCARRIAGE WT TOTAL69,000 (31297)
- COUNTERWEIGHT TOTAL7000



T17 Trencher



FEATURES

Long life mechanical large track trenchers that provide unmatched performance for decades.

- Focused customer driven improvements for new trenching demands
- Flexible boom designs for changing job requirements



- Chain speeds to match the most challenging formations and productivity requirements
- New operating systems allow the use of telematics for performance monitoring and troubleshooting
- Standard two year warranty

SPECIFICATIONS

Engine

- ENGINE MAKECAT
- ENGINE MODEL C27
- POWER HP (Kw) 950 @ 1800 RPM
- TORQUE FT-LBS (N-m) 3206 lb-ft @ 1200 RPM
- U.S. GAL/hr (L/hr) FULL POWER 47.5
- FUEL CAPACITY U.S. GAL. (L) 596 (2256)
- HOURS PER FULL TANK - FULL POWER 238 (900)
- TRANSMISSION Allison 8600
- DEF CAPACITY U.S. GAL. (L) N/A
- VARIABLE- REVERSING ENGINE COOLING FAN Hydraulic Drive

Chain Speed - FT/MIN (M/MIN)

- FIRST GEAR 210
- SECOND GEAR 288
- THIRD GEAR 373
- FOURTH GEAR 488
- FIFTH GEAR N/A
- REVERSE GEAR 85

Chain Force - LB (KN)

- FIRST GEAR 141,664
- SECOND GEAR 103,303
- THIRD GEAR 79,784



- FOURTH GEAR 61,104
- FIFTH GEAR N/A
- REVERSE GEAR 607,838
- GROUND SPEED LOW - MPH (KM/H) 40 MPH
- DRAWBAR PULL LOW (MAX) - LB (KN) 233000
- GROUND SPEED HIGH (MAX) - MPH (KM/H) 1.5
- DRAWBAR PULL HIGH - LB (KN) 62000
- GROUND BEARING NO ATTACH PSI (BAR) 17.64
- CONVEYOR SPEED - FT/MIN (M/MIN) 1461

Dimensions - IN (mm)

- MACHINE LENGTH, NO ATTACHMENTS 436.0 (11074)
- MACHINE WIDTH, NO ATTACHMENTS 165.2 (4196)
- MACHINE OVERALL WIDTH 169.0 (4293)
- MACHINE OVERALL HEIGHT 169.8 (4313)
- TRACK WIDTH 31.5 (800)
- TRACK LENGTH 189 (4801)
- FRAME HEIGHT 21.0 (533)
- FRAME WIDTH 82 (2083)
- DECK HEIGHT 63.8 (1620)
- CAB HEIGHT, LOWERED 153 (3886)
- CAB EXTENDED 42 (1067)
- FRONT OVERHANG HEIGHT 26.6 (676)
- FRONT OVERHANG DISTANCE 162 (4115)
- CONVEYOR BELT WIDTH 42 (1067)
- CONVEYOR LENGTH 266 (6756)
- DISCHARGE HEIGHT 123 (3124)
- DISCHARGE DISTANCE 85 (2159)
- MACHINE LENGTH, SHORT BOOM 562 (14275)
- DIGGING DEPTH, SHORT BOOM 108 (2743)
- CUTTING WIDTH RANGE 16-72 (406-1829)
- TAILWHEEL DIAMETER 48 (1219)
- TRACK CHAIN PITCH 375; 10.25 (260.35)
- DIGGING CHAIN PITCH D-8; 9 (228.6)



- HEIGHT WITHOUT TRACKS 131.7 (3345)
- SHIPPING WIDTH 164.8 (4186)

Standard Attachments- IN (mm)

- BOOM WIDTH 35 (889) 2-D8x20 (508)
- TRENCH WIDTH X MAX DEPTH 38-48 (965-1219) X 20'
- BOOM WIDTH 55 (1397) 3-D8x20 (508)
- TRENCH WIDTH X MAX DEPTH 58-68 (1473-1727) X 20'
- BOOM WIDTH 58.5 (1486) 3-D8x22 (559)
- TRENCH WIDTH X MAX DEPTH 62-72 (1562-1829) X 16'
- PRIMARY BOOM DEPTH - FT (M) 8 (2.44)
- BOOM EXTENSIONS - FT (M) 2 (.61), 4 (1.22), 8 (2.44)
- STANDARD DIGGING DEPTHS - FT (M) 8-20 (2.44-6.10)

Weights - LB. (Kg)

- MACHINE WEIGHT (MINER-NO CONVEYOR) 216,000 (97978)
- MINIMUM OPERATING WEIGHT 246,000 (111588)
- MAXIMUM OPERATING WEIGHT 326,000 (147871)
- SHIPPING WEIGHT (NO CWT, BOOM, TRACKS) 141,000 (63958)
- UNDERCARRIAGE WT TOTAL 69,000 (31297)
- COUNTERWEIGHT TOTAL 7000