TECHNICAL SPECIFICATIONS

Elite LOADER

BOOMS
- Main boom: rectangular structure 6" x 8" (152 mm x 203 mm) made of high tensile steel
- Stick boom: rectangular structure 6" x 6" (152 mm x 152 mm) made of high tensile steel
- One 55 W halogen spot light on each side of stick boom
- Pivots: 2" (50.8 mm) diameter tempered and chromed pins mounted on bronze bushings
- Main boom complete motion in 8.9 sec. with 18.5 US gallons/min (70 l/min)
- Stick boom complete motion in 7.0 sec. with 18.5 US gallons/min (70 l/min)
- Hydraulic cylinders
  - ROTOBEC design, bolted and equipped with wear ring
  - Chromed rods made of induction tempered steel
  - Main boom: 5" (127 mm) bore, 32" (813 mm) stroke, 3" (76.2 mm) rod
  - Stick boom: 5" (127 mm) bore, 25.5" (648 mm) stroke, 2.5" (63.5 mm) rod

Standard: Reach: 22' (6.72 m)
- Main boom length: 148" (3759 mm)
- Stick boom length: 122" (3099 mm)

Option M21: Reach: 20'6" (6.25 m)
- Main boom length: 139" (3531 mm)
- Stick boom length: 113" (2870 mm)
- Weight: (reduction of 60 lb. (27 kg))

Option M25: Reach: 25' (7.62 m)
- Main boom length: 168" (4267 mm)
- Stick boom length: 138" (3505 mm)
- Additional weight: 130 lb. (59 kg)

Option MT26: Telescopic boom reach: 25'6" (7.77 m)
- Main boom length: 148" (3734 mm)
- Stick boom length: 122" + 42" (3099 mm + 1067 mm)
- Stick boom telescopic extension, activated by an electric button and proportionally controlled by lever
- Hydraulic cylinder
  - Telescopic extension: 2.5" (63.5 mm) diameter, 42" (1067 mm) stroke, 1.5" (38.1 mm) rod
  - Additional weight: 195 lb. (89 kg)

Option MT26M: Telescopic boom for MARFOR, reach: 25'6" (7.77 m)
- Main boom length: 148" (3734 mm)
- Stick boom length: 122" + 42" (3099 mm + 1067 mm)
- Stick boom complete motion in 8.2 sec. with 19.9 US gallons/min (75 l/min)
- Stick boom telescopic extension, activated by an electric button and proportionally controlled by lever
- Hydraulic cylinders
  - Stick boom: 5" (127 mm) diameter, 32" (813 mm) stroke, 3" (76.2 mm) rod
  - Telescopic extension: 3.5" (88.9 mm) diameter, 42" (1067 mm) stroke, 2" (50.8 mm) rod
  - Additional weight: 300 lb. (136 kg)

Option MT27: Telescopic boom reach: 27'2" (8.28 m)
- Main boom length: 168" (4267 mm)
- Stick boom length: 122" + 42" (3099 mm + 1067 mm)
- Stick boom telescopic extension, activated by an electric button and proportionally controlled by lever
- Hydraulic cylinder
  - Telescopic extension: 2.5" (63.5 mm) diameter, 42" (1067 mm) stroke, 1.5" (38.1 mm) rod
  - Additional weight: 280 lb. (127 kg)

Option MT29: Telescopic boom reach: 29' (8.84 m)
• Main boom length: 178” (4521 mm)
• Stick boom length: 134” + 42” (3404 mm + 1067 mm)
• Stick boom telescopic extension, activated by an electric button and proportionally controlled by lever.
• Hydraulic cylinder
  • Telescopic extension: 2.5” (63.5 mm) diameter, 42” (1067 mm) stroke, 1.5” (38.1 mm) rod
• Additional weight: 420 lb. (191 kg)

HEAD
• Continuous rotation
  • Rotation speed: 9.5 RPM
  • 2.14 inch³ (35 cc) Sundstrand motor
  • Double reduction gear box
  • Rotation torque
    • Theoretical: 15987 ft.lb. (21675 N.m) at 3200 psi (221 bars) pressure and tank pressure of 65 psi (5 bars)
    • Actual: estimated at 13589 ft.lb (18424 N.m)
• Slewing ring gear 26.45” (672 mm) outside diameter
• Safety rotation locking device for use during transportation
• Walvoil monoblock directional control valves
  • Pedal activated rotation
  • Two double function joysticks to activate the booms and the attachment

Standard: Without Cab
• Radius required to swing the loader (without cab): Radius of 37 1/2” (952 mm)

Option CAB: ROTOcab (available with 12V truck only)
• Cab designed to protect operator from bad weather
• Including a tilting system activated by a hydraulic cylinder to reduce the cab height during transit
• Mechanical lock to lock tilting system in the up or down position
• Insulation panel under seat
• Front windshield made of clear "Lexan" guard
• Sliding window on left side
• Door on right side, including a hinged window
• 24-inch wiper and windshield washer
• Ceiling light
• 12V power socket, 3 Amps
• Overall radius required to swing the loader with the ROTOcab = Radius of 59” (1499 mm)
• At the height of the ROTOcab floor, radius required to swing the loader: 49 1/2” (1257 mm)
• The overall height of the loader increases by 7 3/4 inches with the installation of a ROTOcab
• Additional weight: 840 lb. (381 kg)

Standard: ROTOBEC swivel joint with 8 hydraulic oil conduits and 5 electric sections (3 live and 2 ground wires)

Option COL10: Antifreeze swivel joint (needed for antifreeze heater accessory)
• ROTOBEC swivel joint with 8 hydraulic oil conduits, 2 antifreeze conduits and 5 electric sections (3 live and 2 ground wires).
• Additional weight: 25 lb. (11 kg)

BASE
• Telescopic stabilizers
  • Independent action stabilizers
  • Cylinders 3” (76.2 mm) diameter, 42.75” (1086 mm) stroke, 1.75” (44.5 mm) rod
  • Dual lock valve cylinders
  • Flat bottom stabilizer pads are standard. Cleats to be ordered as an option
  • Swivel joint access on both sides to facilitate maintenance
  • Demountable stabilizers from frame to facilitate maintenance
  • Two ladders

Standard: Standard turret
• Designed to be installed on a trailer or a spacer with a nominal height of 59”

Option 8: 8’ Turret extension
• Designed to be installed on a trailer with a nominal height of 51”
• Additional weight: 40 lb (18 kg)
Option 15: 15' Turret extension
- Designed to be installed on a truck with a nominal height of 44’
- Additional weight: 95 lb (43 kg)

HYDRAULIC SYSTEM
- Operating pressure
  - Main boom: 3045 psi (210 bars)
  - Stick boom and rotation: 3263 psi (225 bars)
- Anti-shock valve
  - Main boom: 3600 psi (250 bars)
  - Stick boom: 3500 psi (240 bars)
  - Swing: 3300 psi (220 bars)

ELECTRIC SYSTEM
- Standard: 12 Volts
- Option 24VDC: 24 Volts

COLOR
- Standard: Yellow and Black
- Option N: Black (available in English language only)

LANGUAGE
- Standard: French
- Option ANG: English

OTHER
- Included with loader
  - Black spray paint
  - Yellow spray paint
  - Parts manual
  - Operator’s manual

SUPPLEMENTARY TECHNICAL INFORMATION
- Approximate weight of standard loader with boom, excluding grapple, options, accessories and installation: 4940 lb. (2240 kg)
- Dimensions
  - Total height
    - Without cab: 13’ (3962 mm) *
  - Telescopic stabilizers
    - Width at ground level: 9’6” (2896 mm) *
  - Maximum depth below ground level: 18” (457 mm) *
  - Maximum height above ground level: 22” (559 mm) *

* Valid if the loader is mounted on a frame with a nominal height from ground level. The nominal height of each turret is given in the BASE section above.

ACCESSORIES
- 07000-6694: MAIN BOOM HYDRAULIC TUBE PROTECTOR (N/A with MT29 and MTO29 option)
  - Weight: 75 lb. (34 kg)
- 07001-3711: MAIN BOOM HYDRAULIC TUBE PROTECTOR with MT29 and MTO29 option
  - Weight: 80 lb. (36 kg)
- 07000-6263: 12V OIL COOLER (N/A with M22R or M25R options)
  - 20000 BTU/hr. with a temperature difference of 60 degrees F
• Thermostatic fan
  • Weight: 90 lb. (41 kg)

07000-7876: 24V OIL COOLER (N/A with M22R or M25R options)
  • 20000 BTU/hr. with a temperature difference of 60 degrees F
  • Thermostatic fan
  • Weight: 90 lb. (41 kg)

07002-4492: 12V HEATED JOYSTICK HANDLES
  • 2 intensity control switch thermostat

07001-8312: INSULATED ROTO CAB (Note: CAB option is required)
  • Complete kit, ready for installation

07001-8314: 12V ANTI-FREEZE HEATER (Note: Options CAB and COL10 are required)
  • Complete kit, ready for installation
  • Including 4 heating vents, valves to control the heat and anti-freeze pipes

07001-8313: RADIO AM/FM CD, 12V (Note: CAB option is required)
  • Complete kit, ready for installation
  • Including radio, antenna, 2 speakers and wiring

07001-8315: 12V ROTO CAB HEAD LIGHTS
  • Complete kit, ready for installation
  • Including two 50W halogen lights, switch and wiring

07001-8437: SEAT BELT
  • The loader should only be equipped with a seat belt only after consulting with a knowledgeable safety professional who can help determine whether a seat belt is appropriate based on the environment and application in which the loader will be used. If the customer chooses to equip the loader with a seat belt, he must be aware of the following:
    • Use of a seat belt may affect the ability to jump free from the loader or otherwise move quickly in case of emergency.
    • Even if wearing a seat belt, nobody should be seated in the operator's station while the truck or trailer on which the loader is mounted is in motion.
    • Exposure to weather and routine use may result in tearing or fraying of the seat belt. It should be visually inspected on a daily basis to make certain the integrity of the belt has not been compromised.
  • French instructions.

07001-8373: SEAT BELT
  • Same description as 07001-8437 but with English instructions.

07000-6691: SET OF BOLT-ON CLEATS UNDER STABILIZERS

722-0095: ALUMINIUM OIL TANK
  • 55 US gallons (208 liters)
  • Designed to be installed on the side of the truck frame
  • Return line equipped with filter
  • Flood suction line equipped with strainer
  • Tank weight: 110 lb. (50 kg)
  • Full tank weight: 555 lb. (252 kg)

07001-1187: P330 DOUBLE GEAR PUMP FOR DIRECT MOUNT (CCW rotation)
  • 18.5/18.5 US GPM (70/70 liters/minute) at 1800 RPM
  • SAE B-B 1" -15 splined shaft
  • Lock valve (pump securely)
  • Weight: 80 lb. (36 kg)
  • Torque required to drive the pump with all sections simultaneously at maximum pressure: 200 ft-lb. (271 N.m)

07001-1188: P330 DOUBLE GEAR PUMP FOR DIRECT MOUNT (CW rotation)
  • 18.5/18.5 US GPM (70/70 liters/minute) at 1800 RPM
  • SAE B-B 1" -15 splined shaft
  • Lock valve (pump securely)
  • Weight: 80 lb. (36 kg)
  • Torque required to drive the pump with all sections simultaneously at maximum pressure: 200 ft-lb. (271 N.m)

07001-1435: P330 DOUBLE GEAR PUMP DIRECT MOUNT BRACKET KIT TO INSTALL ON A PTO

07001-1186: P330 DOUBLE GEAR PUMP FOR DRIVE SHAFT MOUNTING (CCW rotation)
• 18.5/18.5 US GPM (70/70 liters/minute) at 1800 RPM
• 1” keyed shaft with bearing and dust seal
• Lock valve (pump security)
• Weight: 80 lb. (36 kg)
• Torque required to drive the pump with all sections simultaneously at maximum pressure: 200 ft-lb. (271 N.m)

07001-0808: P330 DOUBLE GEAR PUMP FOR DRIVE SHAFT MOUNTING (CW rotation)
• 18.5/18.5 US GPM (70/70 liters/minute) at 1800 RPM
• 1” keyed shaft with bearing and dust seal
• Lock valve (pump security)
• Weight: 80 lb. (36 kg)
• Torque required to drive the pump with all sections simultaneously at maximum pressure: 200 ft-lb. (271 N.m)

07001-1433: P330 DOUBLE GEAR PUMP DRIVE SHAFT BRACKET KIT

07001-1432: INSTALLATION KIT FOR TRUCK MOUNT WITH P330 PUMP
• For P330 gear pump and aluminum oil tank
• 3” – 2” reduction sleeve
• 2” (50.8 mm) ball valve
• Hydraulic fittings probably required for installation
• Relay and fuses for electric installation

07001-1428: INSTALLATION KIT FOR TRAILER MOUNT WITH P330 PUMP
• For P330 gear pump and aluminum oil tank
• 3” – 2” reduction sleeve
• 2” (50.8 mm) ball valve
• Quick attachment hydraulic fittings
• Hydraulic fittings probably required for installation
• Relay and fuses for electric installation

857-0006: TRUCK FRAME MOUNT ANCHOR KIT, FOR TRUCK HEIGHT OF 39” to 44”, (WITH 15” SPACER)
• 15” spacer
• Brackets
• Anchor rods
• Nuts
• Additional weight: 478 lb. (217 kg)

Designed to be installed on a truck frame meeting the following requirements:
• Minimum inner distance between the beams of the frame: 21 1/4” (540 mm)
• Maximum outer distance between the beams of the frame: 36 3/4” (933 mm)
• Height of frame beams: max: 16” (406 mm)

7001-8839: 15” EXTENSION ANCHOR KIT FOR TRUCK FRAME HEIGHT OF 39” to 44” (WITHOUT SPACER)
• Brackets
• Anchor rods
• Nuts
• Weight: 205 lb. (93 kg)

Designed to be installed on a truck frame meeting the following requirements:
• Minimum inner distance between the beams of the frame: 21 1/4” (540 mm)
• Maximum outer distance between the beams of the frame: 36 3/4” (933 mm)
• Height of frame beams: max: 16 1/2” (470 mm)

857-0007: TRAILER FRAME MOUNT ANCHOR KIT FOR TRAILER HEIGHT OF 52” to 59” (WITH SPACER) OR FOR 8” TURRET EXTENSION ON TRAILER FRAME WITH A HEIGHT OF 47” to 51” (WITHOUT SPACER)
• Brackets
• Anchor rods
• Nuts
• Weight: 220 lb. (100 kg)

Designed to be installed on a trailer frame meeting the following requirements:
• Minimum inner distance between the beams of the frame: 27 1/4” (692 mm)
• Maximum outer distance between the beams of the frame: 48 3/4” (1238 mm)
• Height of frame beams: min: 15 1/2” (394 mm); max: 31” (787 mm)
857-0008: TRAILER FRAME MOUNT ANCHOR KIT FOR TRAILER FRAME HEIGHT OF 47" to 51" (WITH 8" SPACER)
- 8" Spacer
- Brackets
- Anchor rods
- Nuts
- Weight: 390 lb. (177 kg)

Designed to be installed on a trailer frame meeting the following requirements:
- Minimum inner distance between the beams of the frame: 32 1/4" (819 mm)
- Maximum outer distance between the beams of the frame: 48 3/4" (1238 mm)
- Height of frame beams: min: 16 1/2" (419 mm); max: 32" (813 mm)

857-0009: TRAILER FRAME MOUNT ANCHOR KIT FOR TRAILER FRAME HEIGHT OF 43" to 47" (WITH 12" SPACER)
- 12" Spacer
- Brackets
- Anchor rods
- Nuts
- Weight: 440 lb. (200 kg)

Designed to be installed on a trailer frame meeting the following requirements:
- Minimum inner distance between the beams of the frame: 32 1/4" (819 mm)
- Maximum outer distance between the beams of the frame: 48 3/4" (1238 mm)
- Height of frame beams: min: 12 1/2" (318 mm); max: 28" (711 mm)

Note:
We reserve the right to change specifications and improve our products without notice or obligation.