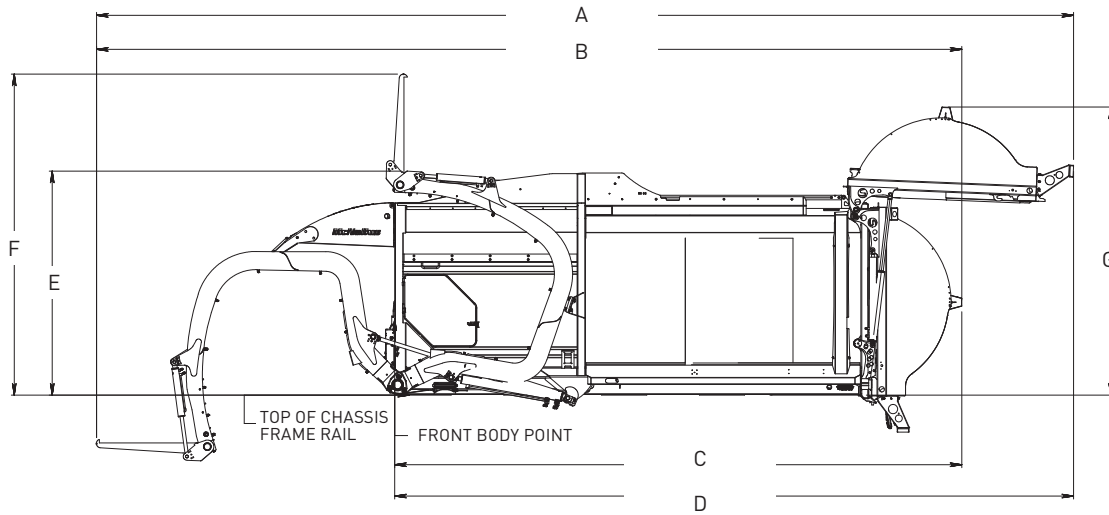




CONTENDER FRONT END LOADER

Key Specifications and Features



DESCRIPTION	CONTENDER									
	32 YD Inches	29.3M mm	36 YD Inches	32.9M mm	40 MED Inches	36.6M mm	40 LONG Inches	36.6M mm	43 YD Inches	39.3M mm
O.A.L.-Arms Down,TG Open (A)	479.5	12,179.0	519.5	13,195.0	519.5	13,195.0	533.5	13,551.0	533.5	13,551.0
O.A.L.-Arms Down,TG Closed (B)	420.1	10,671.0	441.6	11,217.0	460.1	11,687.0	455.6	11,572.0	474.1	12,042.0
O.A.L.-Arms Stowed,TG Closed (C)	261.5	6,642.1	283.0	7,188.2	301.5	7,658.1	297.0	7,543.8	315.5	8,013.7
O.A.L.-Arms Stowed,TG Open (D)	320.9	8,150.9	360.9	9,166.9	360.9	9,166.9	374.9	9,522.5	374.9	9,522.5
Height-Arms/Fork Stowed (E)	119.1	3,025.1	119.1	3,025.1	119.1	3,025.1	119.1	3,025.1	119.1	3,025.1
Height-Arms Stowed/Forks Up (F)	170.7	4,335.8	170.7	4,335.8	170.7	4,335.8	170.7	4,335.8	170.7	4,335.8
Height-Tailgate Raised (G)	153.2	3,891.3	134.7	3,421.4	153.2	3,891.3	134.7	3,421.4	153.2	3,891.3

The Contender FEL is a middleweight that hits the sweet spot – delivering optimal payload and durability for commercial and residential haulers.

- Range of body sizes, from 32-43 cubic yards (29.3 - 39.3 cubic meters), to meet a wide range of requirements.
- High strength, 3/16-inch (4.76 mm) AR400 single sheet hopper wall for added durability.
- 12 cubic yard (11 cubic meter) hopper with flat floor offers excellent capacity.
- Rounded body floor for easier clean out.
- Hopper floor features 3/16-inch (4.76 mm) AR200 steel for added strength.
- Hydraulic lift canopy offers excellent coverage on all chassis cabs.
- Factory-direct service and support network with 23 branch locations and mobile service trucks ready to answer the call.
- Paint process features high solids epoxy primer and Sikkens top coat for long lasting protection and good looks.
- Command Zone™ integrated electronic controls improve reliability and performance.
- Excalibre™ cylinders – exclusive to McNeilus – feature a hardened tool steel scraper that removes dings and nicks before they can reach the seals to prolong cylinder life.
- Quality abrasion resistant steel in all high-wear areas for added strength and durability.
- Proudly Made in the USA.
- Next Generation (NGEN) Compressed Natural Gas (CNG) available on a wide range of chassis choices and engine options. McNeilus CNG is factory designed, installed, and tested.



CONTENDER FRONT END LOADER

Construction / Performance Specifications

PERFORMANCE SPECIFICATIONS (in seconds)*		
WORKING RPM	IDLE	1350 RPM
Load Ejection	Full Eject	
Arm Down	11.0	6.5
Arm Up	9.0	5.0
Fork Cycle Time	3.5	2.5
Fork Down	3.0	1.5
Fork Up	2.5	1.5
Packer Extend	16.0	16.0
Packer Retract	6.0	6.5

PERFORMANCE SPECIFICATIONS (in seconds)*		
WORKING RPM	IDLE	1350 RPM
Ejector Extend	n/a	30.0
Ejector Retract	n/a	10.0
Top Door Open	7.0	7.0
Top Door Close	6.0	5.5
Tailgate Open	26.5	25.0
Tailgate Close	33.0	32.0

* Cycle times may vary by +/- 10%

STANDARD BODY SPECIFICATIONS	
Body Floor	3/16" (4.76mm) AR200 (optional 10 GA or 1/4" (6.35mm) AR200)
Body Sides, First Section	1/8" (3.19mm) AR450
Body Sides, Second and Third Sections	261.5" (6642.10mm)
Body Roof	10 Gauge AR200
Cab Shield	14 Gauge GRD 50 High Strength Steel
HOPPER SPECIFICATIONS	
Lower Hopper Sides	3/16" (4.76mm) AR400
Upper Hopper Sides	12 Gauge ASTM A607 GRD 50 High Strength Steel
Hopper Floor	3/16" (4.76mm) AR400
Floor Cross-members	3" x 3" (76.20 x 76.20 mm) x 11 GA A500 GRD B Tube
PACKER/EJECTOR SPECIFICATIONS	
Lower Packing Face	1/4" (6.35mm) AR200
Face Support	3/8" (9.54mm) A36 Welded Steel Structure
Packing Panel Floor Tracks	1/4" (6.35mm) A656 GRD 80 High Strength Steel
Top Wear Strips	3/8" (9.54mm) AR400, Bottom Wear strip: 3/8" (9.54mm) Chromium Carbide Xwear
Side Wear Strips	1/4" x 3" (6.35x 76.2mm) AR400
Sides	10 Gauge GRD 50 High Strength Steel
TAILGATE SPECIFICATIONS	
Tailgate Rear and Side Walls	1/8" (3.19mm) AR450
Tailgate Locking Teeth	1-1/4" (31.75mm) ASTM A36 Mild Steel
Tailgate Seal Extends 31" (787.4 mm)	
Eight-Point Automatic Locking Tailgate	
Body Longitudinals	3/16" (4.76mm) A500 GRD B tube
ARM ASSEMBLY	
Arm Construction	3/16" (4.76mm) ASTM A656 GRD 80 High Strength Steel (internally reinforced) with 3/8" (9.54mm) A656 GR 80 High Strength Steel Flanges
Arm Cylinder Mounts	ASTM A656, 3/8" (9.54mm) GRD 80 High Strength Steel
Arm Torque Tube	5-1/4" (133.35mm) OD with 1/2" (12.70mm) Wall Thickness (DOM round tube) 3 Arm Torque Tube Pillow Blocks with Nylatron Bushing

FORK ASSEMBLY	
Fork Torque Tube Construction	ASTM 513 GRD B
Fork Torque Tube	4" OD with 3/8" (9.54mm) Wall Thickness (DOM round tube)
Fork Tine Construction	1-1/4" (31.75mm) A36 Mild Steel
HYDRAULICS	
Pump Make/Model	Single Commercial Intertech P365
Pump Size	2-1/2" (63.50mm)
Pump Flow	30 gpm (113.56 lpm) @ 800 rpm, 50 gpm (189.27 lpm) @ 1350 rpm
Control Valves	Commercial Intertech VA35, MRV Setting—2500 psi (175.81 kg/cm)
Oil Reservoir	Universal, 50 Gallons (189.271l)
Filter	Schroeder LRT 5 Micron
Suction Strainer	100 mesh stainless steel with magnets
CYLINDERS	
Ejector Cylinder	Mailhot Excalibur 5.5" (139.70mm) x 3 stage 188-7/8" (2223.00mm) stroke
Arm Cylinder	4.5" (114.30mm) bore x 2.5" (63.50mm) cylinder size x 46" (1168.40mm) stroke, Decel up valve
Fork Cylinder	3" (76.20mm) bore x 1.75" (44.45mm) cylinder size x 20" (508.00mm) stroke
Tailgate Cylinder	3-1/4" (82.55mm) bore x 2" (50.80mm) cylinder size x 32" (812.80mm) stroke
HARDWARE	
Weather Pak Connector—Deutsch Connectors	
Aeroquip Hoses and Fittings	
Hydra-Zorb and Stauff Clamps	
OPERATIONS	
Command Zone multiplex and distributed can based controls	
Air or Rabbit Ear Joysticks	
PAINTING	
Packer and components steel shot blasted prior to priming with high solids epoxy primer.	
Finish Coat Akzo Coating's Sikkens high solids acrylic urethane. Solid white standard.	
MCNEILUS WARRANTIES	
Cylinders	2 year warranty with extended warranties available
Hydraulic Pump and Valves	2 years from date of delivery
Packer Unit	6 months from date of delivery