

NMC-WOLLARD

GSA Contract GS07F-5658A

MODEL 140 Tow Tractor **8,000 to 14,000 lbs. DBP**



- **DBP from 8,000 to 14,000 lbs. (3,630 to 6,360 kg)**
- **Multi-purpose tow tractor works in pushback, cargo, baggage.**
- **Maneuverable — has low profile, high visibility and power steering.**
- **Husky dual planetary reduction drive axle.**

Low profile tow tractor maneuvers easily on busy ramps

Low profile

Only 45" (114 cm) high, NMC-WOLLARD Model 140 moves around airplanes and other traffic with ease. Low profile, power steering and high operator visibility make the Model 140 ideal for congested ramps.

High capacity

Model 140 has rugged driveline with gas and diesel options. Transmission options include Ford and heavy duty Allison automatics. Drive axle is a double reduction planetary type which places maximum engine torque at ramp operating speeds.

Versatile tow tractor

Pushback, baggage and cargo — Model 140 handles them all. Multi-purpose tractor gives scheduling options and offers maximum use in a variety of pulling and pushing applications.

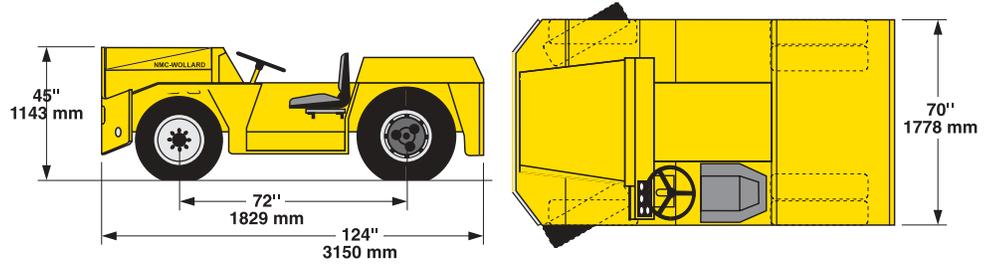
Heavy duty construction

Model 140 is ramp-engineered for performance in demanding applications. Frame is a precision aligned, 1-piece structure fabricated in 3/4" (1.9 cm) plate steel. Bumpers are also 3/4" (1.9 cm). Efficiency features include a tubular steer axle with full size front wheels, easy on-off, excellent visibility and much more.



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Model 140 Tow Tractor



specifications subject to change without notice

Capacities & Weights

Model No.	1408	1410	1412	1414	Model No.	1408	1410	1412	1414
Drawbar pull in lbs.:	8,000	10,000	12,000	14,000	Gross wt. in lbs:	10,000	12,000	14,000	16,360
Drawbar pull in kg:	3,630	4,540	5,450	6,360	Gross wt. in kg:	4,540	5,450	6,300	7,420

Dimensions & Data

Length.....	124" (315 cm)
Width.....	70" (178 cm)
Height w/o cab.....	45" (114 cm)
Height w/ cab.....	74" (188 cm)
Turn Radius.....	190" (483 cm)
Ground Clearance.....	4" (10 cm)
Speed, F.....	15 mph* (24 km/h)
R.....	4-7 mph (6-11 km/h)

*Consult factory for speeds

Engine, Standard: Gas; Ford ESG-642, 6 cylinder, 4.2L, 146 hp @ 3,600 rpm. Torque 240 ft.lbs. @ 2,600 rpm.

Optional:
Diesel: Cummins, Perkins
Gas: Ford 2.5L

Transmission, Standard: Ford C6
3-speed automatic with one speed reverse and separate transmission fluid cooler.

Optional:
Allison automatic AT545

Cooling System: Full size engine-radiator system. Radiator insulated from vibration. Water pump V-belt driven.

Drive Axle: Double reduction, heavy-duty differential assembly bearing mounted. Second reduction planetary gear in wheel hubs reduces torque on shaft in differential. Solid mounted to tractor frame.

Steering Axle: Heavy-duty tubular axle with inclined king pins and caster for excellent tracking and turning characteristics. Has hydraulic-assisted steering design and semi-elliptical leaf spring suspension.

Brakes: Dual master cylinder serves front and rear wheels independently. Front and rear brake system balanced to give maximum control under varied load conditions. Rear - drum type; front - 13" (33 cm) vented disc with automotive calipers.

Tires: Front: 8.00 R 16.5
Rear: LT215/75R - 17.5

Electrical: 550/680 amp hour battery and 66+ amp alternator with internal regulator. Has starter lock out switch (prevents starter and ring gear damage when engine is running). Tractor starts only in neutral.

Instrumentation & Controls: Gauges include: voltmeter, coolant temperature, engine oil pressure, fuel level, transmission oil temperature, engine hour meter. Lighted rocker switches for dual headlights, dual tail lights and rear work lights. Back-up lights operate when transmission is in reverse. Cable operated shift control lever has 1st, 2nd, Drive, Neutral and Reverse positions. Operator adjustable Orscheln-type parking brake lever. Shift control and parking brake lever mounted for easy right hand operation. Foot pedals for accelerator and service brakes. Vinyl seat is adjustable 4" (10 cm) forward/backward.

Frame: Heavy-duty precision aligned, 1-piece structure. Bumpers and main frame plates are 3/4" (1.9 cm) thick. Side panels and rear fenders are 3/8" (0.95 cm) thick.

Fuel Capacity: 20.7 gal.; 78.3 liters.

Corrosion Proofing: All frame and body surfaces are shot blasted, double primed and painted with weather resistant paint. Standard bolts are SAE grade 5, zinc-phosphate coated to resist corrosion.

Standard Equipment:

Automatic choke
Automatic transmission
Dual wheels
Gauges: full instrumentation
Lights: 2 head, tail and stop
Paint: white or safety yellow
Power-assisted 4-wheel brakes
Power steering
Seat belts
Spark arresting muffler

Optional Equipment:

Back-up alarm
Cab assembly — all weather
Econocab
Heater/defroster
LP fuel
Mirror kit
Overhead guard
Passenger seat
Rotating beacon, amber
Safety shutdown
Turn signals

Note: Special drive trains and other options available upon request.

GVW may vary ± 5%
DBP measured @ 14" (36 cm)

Dealer/Distributor

NMC-WOLLARD

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