

440CT

SERIES 3 COMPACT TRACK LOADER TIER III CERTIFIED

ENGINE

Model	
Case 445T/M3 dies	sel, Tier III certified
Туре	4-stroke, turbocharged
Cylinders	4
Bore/Stroke	4.1 in x 5.2 in (104 mm x 132 mm)
Displacement	274 in³ (4.5 L)
Fuel injection	Direct
Fuel	#2 Diesel
Fuel filter	In-line strainer
Air intake	Cross-flow
Cooling	Liquid
Engine speeds (rpm)	
High idle - no load	2415 <u>+</u> 60
Rated - full load	2300
Low idle	1075 <u>+</u> 75
Horsepower per SAE J1349	
Gross Net	90 (67 kW) @ 2300 rpm 83 (63 kW) @ 2300 rpm
Peak torque	
@ 1300 rpm	288 lb·ft (390 N·m)

ENGINE COOLING

Radiator	
Core type	Square wave serpentine
Core size area	377 in ² (.243 m ²)
Rows of tubes	4
Cap pressure	14.0 psi (97.0 kPa)
Fan	
Diameter	18.9 in (480 mm)
Ratio	1.09:1
Water pump	
Style	Integral
Flow	29.0 gpm (110 L/min)
Engine lubrication	
Pump	Deep sump with plate cooler and pressurized under-piston nozzles
Pump operating angle ratings	
Side-to-side	Rated 35°
Fore and aft	Rated 35°
Oil filtration	Replaceable, full-flow cartridge

POWERTRAIN

POWERIRAIN		
Drive pump		
Tandem, axial piston hy w/integral charge pump engine flywheel		
Pump to engine ratio	1:1	
Displacement	0 to 2.81 in ³ (46 cc)	
Pump flow @ high idle engine rpm	29.4 gpm (111 L/min)	
Flow	Bi-directional	
Charge pressure	360 psi (24.8 bar)	
System relief	5220 psi (360 bar)	
Controls	Pilot	
Drive motors	Fixed displacement radial piston	
Maximum displacemen	t 18.9 in ³ (309 cc)	
Speed @ high idle engi	ne rpm	
@ max displacement	359 rpm	
Torque @ max displacement and		
relief pressure	1308 lb·ft	
	(1774 N·m)	
Travel speed mph (km/h)		
Low range	5.1 (8.2)	
High range	8.0 (12.9)	
Final drive	Single-reduction planetary	
Undercarriage		

	planetary
Undercarriage	
Torque @ max displacemen	t
and relief pressure	3103 lb·ft
	(4208 N·m)
Track adjustment	Hydraulic
Frame	Rigid
Length of track on ground	56.6 in
	(1438 mm)
Track rollers per side	3
Front idler diameter	13.7 in (350 mm)
Rear Idler diameter	11.4 in (290 mm)
Bottom Rollers	
Outer flange diameter	7.8 in (200 mm)
Center flange diameter	8.4 in (214 mm)
Sprocket Teeth	
Number	17
Width	1.8 in (46 mm)
Track rollers and idlers sealed seals and permanently lubric	

Parking brakes

Spring applied, hydraulic release disc

Engagement

Depress on/off brake button on handle or instrument panel, raise seat bar, get off seat, or stop engine

HYDRAULIC SYSTEM

Standard equipment pump			
Type	Gear pump		
Displacement	2.2 in ³ /rev (36 cc)		
Pump flow @ rated	@ rated engine rpm		
Total	21.9 gpm (83 L/min)		
Optional high flow	@ rated engine rpm		
Total	37.8 gpm (143.1 L/min)		
Loader control valve			
3-spool open-cent beyond port	er series with power		
Relief pressure	3050 psi (210 bar)		
Port relief pressures			
Loader Raise	3120 psi (215 bar)		
Bucket Dump	3800 psi (260 bar)		
Bucket Curl	3350 psi (230 bar)		
Hydraulic lines			
Tubing	37° JIC Flare		
Loop hoses	SAE 100 R12		
Hydraulic oil cooler			
Core type	4 row in line		

Hydraulic filter

6 micron spin-on replaceable element on the return line with warning indicator

INSTRUMENTATION

Indicators

Digital Hourmeter

Fuel level LCD bar graph with alarm

Warning lights with alarms

Engine coolant temperature

Engine oil pressure

Engine Malfunction

Hydraulic charge pressure

Hydraulic filter restriction

Hydraulic oil temperature

Warning alarms

Battery voltage (plus display)

Indicator light

Engine preheat

Parking brake

Seat bar reminder

ELECTRICAL SYSTEM

Alternator	95 amp
Starter	2.7 kW
Battery	

12-volt low-maintenance 1125 cold-cranking amps @ 0° F (-18° C)

OPERATOR ENVIRONMENT

OPERATOR ENVIRONMEN	
ROPS/FOPS level 1 canopy w/side scree	ns
Tilt ROPS/FOPS	
Rear window w/ emergency escape	
Instrument panels	
Suspension vinyl seat	
2 in (51 mm) retractable seat belt	
Hand throttle	
Foot throttle	
Alarm package	
Headliner	
Top window	
Cup holder	
Power plug socket	
Foot rest	
Storage tray	
Low effort ergonomic hand controls	
Padded seat bar w/integral armrests	
Loader control lockout system	
Electric parking brake control	
Floor cleanout panel	

CYLINDERS

Lift cylinder			
Bore diameter	2.5 in (63.5 mm)		
Rod diameter	1.5 in (38.1 mm)		
Stroke	35.8 in (910 mm)		
Closed length	46.8 in (1190 mm)		
Bucket cylinder			
Bore diameter	3.0 in (76.2 mm)		
Rod diameter	1.5 in (38.1 mm)		
Stroke	14.6 in (370 mm)		
Closed length	26.9 in (683 mm)		

OPERATING WEIGHTS

Unit equipped with 15.7 in (400 mm) track, 72 in (1.8 m) foundry/excavating bucket, mechanical attachment coupler, full fuel tank and 165 lb (75 kg) operator 8,925 lb (4048 kg)

Shipping weight 8255 lb (3744 kg)

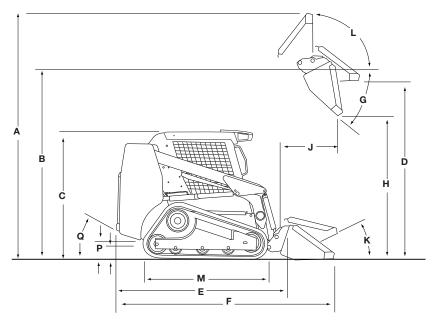
Add-on weights
Side cab glass +70 lb (32 kg)
Glass door with wiper +77 lb (35 kg)
Suspension seat +10 lb (4.5 kg)

SERVICE CAPACITIES

Fuel tank 23.3 gal (88.2	
Engine oil w/filter	12.7 qt (12 L)
Engine cooling system	3 gal (11.4 L)
Hydraulic system	
Reservoir	7.1 gal (26.8 L)
Total	13.2 gal (50 L)
Chain tanks (per side)	8 qt (7.6 L)

TRACK SELECTION

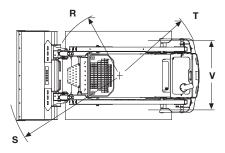
	Area	Ground Pressure	Width to Outside of Track
	in² (cm²)	psi (kPa)	in (mm)
15.7 in (400 mm)	1,780 (11 488)	5.0 (34.5)	71.3 (1812)



DIMENSIONS*

A.	Overall operating height	
	w/foundry/excavating bucket - short lip	154.0 in (3.91 m)
	w/low profile bucket – standard lip	159.6 in (4.05 m)
	w/low profile extended bucket – long lip	164.6 in (4.18 m)
	Height to	
В.	Bucket hinge pin	121.7 in (3.09 m)
C.	Top of rollover protective structure	80.6 in (2.05 m)
D.	Bottom of level bucket, loader arm fully raised	114.2 in (2.90 m)
	Overall length	
E.	w/o attachment w/coupler	102.5 in (2.6 m)
F.	w/foundry/excavating bucket on ground	129.4 in (3.29 m)
F.	w/low profile bucket on ground	135.1 in (3.43 m)
F.	w/low profile extended bucket on ground	143.6 in (3.65 m)
G.	Dump angle at maximum height	39°
H.	Dump height – loader arm fully raised*	
	w/foundry/excavating bucket	96.0 in (2.43 m)
	w/low profile bucket	92.5 in (2.35 m)
	w/low profile extended bucket	89.4 in (2.27 m)
J.	Dump reach – loader arm fully raised	
	w/foundry/excavating bucket	24.6 in (0.62 m)
	w/low profile bucket	29.1 in (0.74 m)
	w/low profile extended bucket	32.9 in (0.84 m)
	Maximum attachment rollback	
K.	Bucket on ground	29°
L.	Bucket at full height	96°
M.	Length of track on ground	56.6 in (1.4 m)
	Ground clearance	
P.	Bottom of belly pan	9.3 in (236 mm)
Q.	Angle of departure	34°
	Clearance circle front	
R.	Less bucket	53.6 in (1.36 m)
S.	w/72 in (1.8 m) foundry/excavating bucket on ground	79.4 in (2.02 m)
S.	w/72 in (1.8 m) low profile bucket on ground	83 in (2.10 m)
S.	w/72 in (1.8 m) low profile extended bucket on ground	87.5 in (2.22 m)
T.	Clearance circle rear	57.0 in (1.45 m)
V.	Track gauge, centerline to centerline	55.6 in (1.41 m)
NOI	F:*Equipped with 15.7 in (400 mm) track	

NOTE:*Equipped with 15.7 in (400 mm) track



PERFORMANCE SPECS

2,100 lb (952 kg)
3,000 lb (1361 kg)
6,000 lb (2721 kg)
5,000 lbf (22 241 N)
7,400 lbf (32 917 N)
0 in (0 mm)
4.1 seconds
2.6 seconds
1.7 seconds
1.9 seconds

NOTE: SAE rated lift capacities.

OPTIONAL BUCKETS

Туре	Width inch (m)	Weight lb (kg)	Heaped Capacity ft³ (m³)
Foundry/			
Excavating	72 (1.8)	390 (177)	16.7 (0.47)
	78 (2.0)	435 (197)	18.4 (0.52)
Low Profile	72 (1.8)	425 (193)	14.5 (0.41)
Low Profile			
Extended	72 (1.8)	477 (216)	17.1 (0.48)
	78 (2.0)	502 (228)	18.6 (0.53)
Utility/Light			
Material	72 (1.8)	434 (197)	23.7 (0.67)
	84 (2.1)	497 (225)	27.9 (0.79)
Heavy Duty			
Dirt	72 (1.8)	501 (227)	14.6 (0.41)
	78 (2.0)	527 (239)	15.9 (0.45)

STANDARD EQUIPMENT

OPERATOR'S COMPARTMENT

ROPS/FOPS level 1 canopy w/side screens

Tilt ROPS/FOPS

Rear window w/emergency escape

Instrument panels

Suspension vinyl seat

2 in (51 mm) retractable seat belt

Hand throttle

Foot throttle

Alarm package

Headliner

Top window

Cup holder

Power plug socket

Foot rest

Storage tray

Low effort ergonomic hand controls

Padded seat bar w/integral armrests

Loader control lockout system

Electric parking brake control

Floor cleanout panel

LOADER

Radial loader arm design

Mechanical attachment coupler

Loader lift arm support strut

ENGINE

Case 445T/M3 diesel

Tier III certified

Automatic fan belt tensioner

Battery disconnect switch w/jumpstart terminals

Side-by-side radiator and oil cooler

Grid heater

Integral engine oil cooling

Fuel filter w/water trap

Dual element air cleaner

95 amp alternator

1125 CCA 12-volt battery

POWERTRAIN

Pilot controls

SAHR disc parking brakes

2 speed ground drive

HYDRAULICS

Auxiliary hydraulics 3050 psi (210 bar) – 23.8 gpm (90 L/min)

Hydraulic circuit pedal lock

Loader arm-mounted ISO flat face connectors

Auxiliary function lockout override

Loader function lockout system

Loader lift lockout override

3-spool loader control valve

Heavy-duty oil cooler

Loader arm float position

OTHER

Integral bumper counterweight

Lockable service access hood

Single-point daily servicing

Halogen lights, 2-front, 2 side, 1-rear (halogen)

Rear tail lights

Two speed ground drive

Lift cylinder plumbing guards

Remote oil drain

OPTIONAL EQUIPMENT

OPERATOR'S COMPARTMENT

Deluxe cloth suspension seat w/heater and lumbar support

Interior mirror

Electric auxiliary hydraulic control

Glass front door w/wiper & washer

Sliding side windows

3 inch retractable seat belt

Heater (deluxe)

Heater and AC

Radio

Demolition door

LOADER

Auxiliary front electric control

Ride control

Hydraulic attachment coupler

Hydraulic one-way self-leveling

HYDRAULICS

High-flow auxiliary hydraulics

3050 psi (210 bar) - 33.2 gpm (126 L/min)

Second auxiliary hydraulics

Attachment case drain plumbing

ENGINE

Coolant block heater

OTHER

Deluxe instrument panel

Road lights

Rotating beacon

Lift hooks

Special paint

Language decals

Buckets - see page 3

Bolt-on bucket cutting edges

42 in (1.07 m) and 48 in (1.22 m) pallet forks

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

NOTE: All engines meet current EPA emissions requirements.

IMPORTANT: Case Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Case Construction Equipment Inc. does not warrant the safety or reliability of attachments from other manufacturers.

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