



# Loader/Tool Carrier 570L XT

## ENGINE

Model..... Case 4-390  
 Type .... 4-stroke, naturally aspirated  
 Cylinders ..... 4  
 Fuel injection ..... Direct  
 Bore/Stroke..... 4.02" x 4.72"  
 Displacement ..... 239 in<sup>3</sup>  
 Horsepower  
 Gross..... 75 @ 2200 rpm  
 Net ..... 71 @ 2200 rpm  
 Maximum torque  
 Gross ..... 197 lb-ft @ 1400 rpm  
 Net ..... 193 lb-ft @ 1400 rpm

## DRIVELINE

Fully synchronized 4-speed forward reverse shuttle transmission with hydraulically actuated clutches and clutch disconnect buttons on the transmission shifter and loader control lever. Electronically activated forward/reverse shuttle shift and 4WD engagement with optional mechanical front wheel drive. 4WD activation on-the-go. Maintenance-free, self-adjusting, inboard mounted, wet disc brakes are hydraulically actuated.

### TRAVEL SPEEDS (MPH)

	1st	2nd	3rd	4th
Forward.....	3.7	6.6	12.8	25.5
Reverse.....	3.7	6.6	12.8	25.5

NOTE: Engine at 2331 rpm and 19.5L x 24 rear tires. Travel speeds will decrease with 17.5L x 24 rear tires.

## OPERATOR ENVIRONMENT

Optional ROPS canopy or 2-door pressurized cab with heater and defroster – A/C optional. Optional deluxe cab interior. Optional non-suspension or deluxe suspension seats. Foot throttles. Key start. Beverage holders. Storage box.

### GAUGES AND WARNING LIGHTS

Converter oil temperature – Engine coolant temperature – Fuel – Rear axle oil temperature – Tachometer/hourmeter – Voltmeter – Alternator – Engine oil pressure – Hydraulic system filter – Air cleaner – Parking brake

## HYDRAULIC SYSTEM

Front mounted, positive displacement, gear-type tandem. Heavy-duty oil cooler.

### LOADER HYDRAULIC PUMP CAPACITY

28.5 gpm @ 2200 rpm @ 3000 psi

### LOADER CONTROL VALVE

2 or 3-spool sectional valve with single lever control for lift, tilt and auxiliary hydraulics. Positive hold “float” and “return-to-dig”.

### LOADER VALVE MAIN RELIEF PRESSURE

3000 + 100 - 0 psi

### 3 PT. HITCH HYDRAULIC PUMP CAPACITY

0 to 8 gpm @ 2200 rpm @ 3000 psi

### 3 PT. HITCH CONTROL VALVE

Sectional, open-center, parallel circuits with variable flow control of 5 sections for lift, pitch, tilt and (2) auxiliary.

### 3 PT. HITCH VALVE MAIN RELIEF PRESSURE

2000 psi

### 3 PT. HITCH SECONDARY RELIEF SETTINGS

Auxiliary “B” port..... 1000 psi  
 Lift “A” port..... 1000 psi  
 Lift “B” port ..... 1750 psi

### FILTRATION

7-micron, full flow replaceable cartridge on return line. Condition indicator light

## SERVICE CAPACITIES

Fuel tank ..... 31.4 gal  
 Hydraulic reservoir..... 13.9 gal  
 Total hydraulic system ..... 33.0 gal  
 Transmission  
 2WD Total system..... 19.5 qt  
 4WD Total system..... 22.0 qt  
 4WD Front axle  
 Differential..... 5.8 qt  
 Planetaries (each) ..... 0.74 qt  
 Rear axle  
 Differential..... 15.0 qt  
 Planetaries (each) ..... 1.6 qt  
 Engine oil w/filter..... 11.6 qt  
 Cooling system  
 w/heater..... 17.4 qt  
 w/o heater ..... 16.7 qt

## ELECTRICAL SYSTEM

Voltage..... 12 Volts, negative ground  
 Alternator ..... 12 Volts, 65 amp  
 Battery ..... Maintenance-free  
 685 cold-cranking amps  
 @ 0°F

## STEERING

Hydrostatic power steering with on-demand priority flow from the main hydraulic pump. 2200 psi operating pressure. One, double-acting steering cylinder with a stop-to-stop turning ratio of 2.75 turns.

### TIRE SIZE

Front  
 2WD ..... 11L x 16, 10PR  
 4WD ..... 12 x 16.5, 8PR  
 Rear ..... 17.5L x 24, 10PR  
 19.5L x 24, 10PR

### CURB CLEARANCE CIRCLE W/17.5L TIRES

#### With 82" Standard Bucket

2WD  
 w/o brakes..... 25'6"  
 w/brakes ..... 24'2"  
 4 WD Engaged  
 w/o brakes..... 27'4"  
 w/brakes ..... 23'0"  
 4 WD Disengaged  
 w/o brakes..... 25'8"  
 w/brakes ..... 24'4"

#### With 82" 4-in-1 Bucket

2WD  
 w/o brakes..... 25'10"  
 w/brakes ..... 24'8"  
 4 WD Engaged  
 w/o brakes..... 27'2"  
 w/brakes ..... 23'4"  
 4 WD Disengaged  
 w/o brakes..... 25'10"  
 w/brakes ..... 24'6"

### FRONT AXLE OSCILLATION

2 WD & 4 WD ..... 22° total (11° each)

## OPERATING WEIGHT

Base Unit: 2WD, ROPS cab with A/C, 82" general purpose loader bucket, 11L x 16 front tires, 17.5L x 24 rear tires, 3-pt. hitch and 600 lb counterweight..... 10,508 lb

### Conversion:

Canopy ..... -477 lb  
 4WD..... +486 lb  
 4-in-1 Bucket..... +776 lb  
 Loader-only version

With 3,000 lb counterweight (minus 600 lb counterweight for 3-pt. hitch)..... +2,400 lb

## LOADER

Single-lever control for lift and tilt with positive hold float and return-to-dig. Automatic self-leveling throughout the lift cycle. In-line, reverse linkage with dual parallel dump cylinders. Optional front-end auxiliary hydraulics with combined single-lever control for lift, tilt and auxiliary. Clutch disconnect button on the loader control disengages the transmission for fast loading cycles. Optional General Purpose or 4-in-1 buckets available. Both buckets are 82" wide with 1 yd<sup>3</sup> capacity and feature bolt-on cutting edge. Loader-only version available with 3,000 lb counterweight.

### LOADER BUCKET SIZES AND WEIGHTS

#### General Purpose Bucket

Width	Weight	Struck	Heaped
82"	789 lb	0.87 yd <sup>3</sup>	1.03 yd <sup>3</sup>

#### 4-in-1 Bucket

Width	Weight	Struck	Heaped
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## 3 PT. HITCH

Category I & II 3 pt. hitch with hydraulic lift, pitch, tilt and (2) auxiliary remotes. Variable flow from 0 to 8 gpm. 600 lb counterweight included

## DIMENSIONS

Overall length w/3 pt. hitch	
General purpose bucket.....	16'11"
4-in-1 bucket.....	16'8"
Overall length, loader only w/weights	
General purpose bucket.....	16'3"
4-in-1 bucket.....	16'0"
Overall width.....	81.8"
Height	
To top of ROPS canopy.....	8'9"
To top of short ROPS canopy....	8'6"
To top of cab.....	8'11"
Ground clearance at axle.....	15"
Front wheel tread	
2WD.....	67.5"
4WD.....	68.8"
Rear wheel tread.....	61.2"
Wheelbase	
2WD.....	84"
4WD.....	84.5"

### CASE CORPORATION

700 STATE STREET  
RACINE, WI 53404 U.S.A.

### CASE CANADA CORPORATION

3350 SOUTH SERVICE ROAD  
BURLINGTON, ON L7N 3M6 CANADA

## LOADER DIMENSIONS

	GENERAL PURPOSE	4-IN-1®
Overall operating height.....	13'8"	14'3"
Bucket rollback @ groundline.....	40°	40°
Dump angle @ full height.....	46°	45°
Digging depth below grade –		
Bucket flat.....	7.8"	7.1"
Clam open (dozing).....	NA	4.4"
Dump clearance @ full height, 45° dump –		
Bucket.....	8'8"	8'11"
Clam open.....	NA	9'8"
Dump reach @ full height, 45° dump –		
Bucket.....	25.9"	25.3"
Clam open.....	NA	11.8"
Reach from front axle centerline,		
bucket on ground.....	75.3"	72.7"
Lift capacity to full height.....	5,293 lb	5,197
Height to bucket hinge pin raised.....	11'2"	11'2"
Breakout force (dump cylinders).....	7,956 lbf	7,879 lbf
Breakout force (lift cylinders) w/box scraper.....	7,811 lbf	7,116 lbf
Breakout force (lift cylinders) w/out box scraper.....	6,375 lbf	6,175 lbf
Bucket cutting edge width.....	82"	82"
Maximum grading angle.....	116°	116°
Maximum clam opening.....	NA	38.3"
Moldboard height.....	NA	36.8"
Raising time to full height.....	4.5 sec	4.4 sec
Bucket dumping time.....	0.8 sec	0.8 sec
Lowering time, power down.....	2.7 sec	2.2 sec
Lowering time, return-to-dig.....	3.1 sec	2.4 sec

NOTE: Dimensions taken with 4WD and 19.5L x 24 rear tires.

## 3 PT. LIFT CAPACITIES

POSITION OF HITCH	VERTICAL DISTANCE OF LOWER HITCH POINT ABOVE GROUND	VERTICAL LIFT FORCE
Lowest.....	5.7"	2,700 lb
1/5 point.....	11.2"	3,220 lb
2/5 point.....	16.6"	3,320 lb
3/5 point.....	22.1"	3,170 lb
4/5 point.....	27.6"	2,900 lb
Highest.....	33.1"	2,410 lb

NOTE: Dimensions taken with 11L x 16 front tires (except that data marked 4WD is taken with 12 x 16.5 front

tires), 19.5L x 24 rear tires, Cab, loader with 82" general purpose loader bucket and standard equipment unless otherwise specified.

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