

**CASE**  
CONSTRUCTION

# 580N EP BACKHOE LOADER



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**EFFICIENT POWER. EXCEPTIONAL PERFORMANCE.**

Introducing the newest addition to the industry's best lineup of backhoes – the 580N EP. This Tier 4 Final model combines the quintessential features of our N Series, new productivity-boosting options and an efficient, maintenance-free Tier 4 Final solution.

So whether you need the lifting and digging power of a light-duty excavator, the scooping and hauling capabilities of a wheel loader, or the versatility of a skid steer, the 580N is where efficiency meets power.



# 580N EP Highlights

- 1 Exclusive ProControl swing dampening system** (optional) minimizes backhoe rebound to provide precise control.
- 2 Over-center backhoe design** provides better balance for smoother roading and also creates a better departure angle.
- 3 Maintenance-free Tier 4 Final solution** uses Diesel Oxidation Catalyst with a Particulate Matter Catalyst to meet Tier 4 Final emissions requirements.
- 4 Heavy-duty loader** designed with long arms for easier truck loading and in-line, parallel linkage for better balance with uneven loads.
- 5 Auto-Ride Control™** (optional on 4WD models) helps with load retention by cushioning loader arm bounce at elevated speeds.
- 6 Exclusive to CASE, the Comfort Steer™** option saves time during repetitive loader tasks by cutting lock-to-lock turns in half.
- 7 The industry's most maneuverable controls** with infinitely adjustable pilot control towers, a control pattern selector and adjustable wrist rests.
- 8 Floor-to-ceiling windows and a low-profile hood** provide **maximum visibility** all around the machine.
- 9 Rear-quarter window** (available with enclosed cab - not shown) opens 180° for an unobstructed view, enhanced airflow and easy communication with spotters around the machine.
- 10 Adjustable SmartClutch** lets operators customize the feel of forward-to-reverse transitions (aggressive, moderate or soft) to suit their preference.
- 11 New universal backhoe coupler** (optional) fits Cat® and John Deere attachments for expanded versatility.
- 12 N Series buckets** come standard with the innovative **SmartFit™ bucket tooth system**, which has heavy-duty, self-sharpening teeth and a hammerless fastener system for easy installation.
- 13 Exclusive "Easy Flex" side lights** optional – not shown are adjustable to provide overlapping fields of coverage for greater illumination at night.

## Maintenance-Free Tier 4 Final Solution.

The 580N EP uses a Diesel Oxidation Catalyst with a Particulate Matter Catalyst solution to meet Tier 4 Final emissions standards. What does that mean to you? We're proud to say – nothing. It's compliance that requires no extra work. No extra fluid to add. No filters to replace. Just get in and go.



## Over-Center Backhoe Design.

Our revolutionary over-center backhoe design locks the boom in toward the machine, transferring at least 15% of its weight to the front axle, which drastically improves stability to minimize "porpoising" during roading.

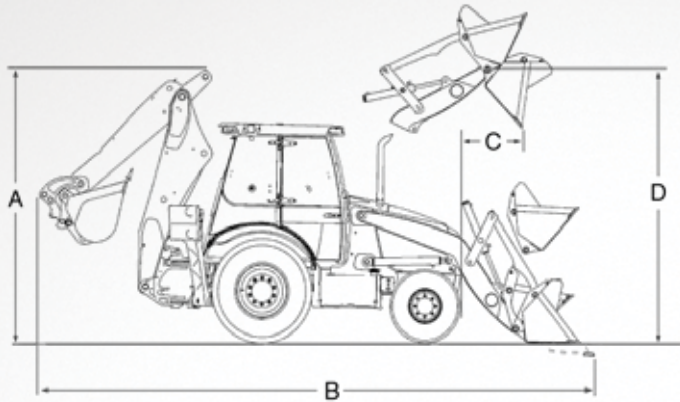


## Cut Turns In Half With Comfort Steer™.

Exclusive to CASE, the Comfort Steer option reduces lock-to-lock rotations when moving from full right to full left (and vice versa). You can load, stockpile and backfill considerably faster and more easily navigate tight material yards with less operator discomfort throughout the day.



## 580N EP



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS	580N EP
A. Transport Height	133 in. (3 367 mm)
B. Overall Transport Length	276 in. (6 989 mm)
C. Dump reach at full height, 45° dump	26.7 in. (679 mm)
D. Hight To Bucket Hinge Pin Fully Raised	135 in. (3 413 mm)
Maximum Digging Depth, Standard/Extendahoe®	15 ft. 0 in. (4 572 mm)/18 ft. 6 in. (5 639 mm)

NOTE: Dimensions taken with 4WD, 19.5 L x 24.0 rear tires, and Long Lip bucket.

SPECIFICATIONS	580N EP
Engine Make / Model	FPT F5HFL463D
Emissions Certification	Tier 4 Final
Gross HP – hp (kW)	74 (55)
Peak Torque – lb-ft (N·m)	233 (316)
Displacement / Cylinders – in. <sup>3</sup> (L)	207 (3.4)/4
Auxiliary Hydraulic Flow – gpm (L/min)	28.5 (108)
Loader Lift Capacity – lb. (kg)	6,503 (2 950)
Loader Bucket Breakout Force – lb. (daN)	9,607 (4 273)
Backhoe Lift Capacity at Ground Level – lb. (kg)	2,858 (1 297)
Backhoe Bucket Breakout Force – lb. (N)	11,517 (51 228)
Operating Weight – lb. (kg)	15,810 (7 171)

## SiteWatch™

Standard on all N Series backhoe loaders, CASE SiteWatch telematics breaks the boundaries of fleet management by allowing you to monitor and manage multiple machines from your office, wherever that may be. No more manually tracking down engine hours and fuel levels. Get real-time performance metrics, idle-time analytics, scheduled maintenance intervals and programmable security alerts sent to any computer, anywhere.

## Maintenance Made Easy.

When you buy a CASE, you want it to last. We make it simple. The N Series is no exception. From swing-out coolers and outboard-mounted disc brakes to ground-level site gauges and grouped service points under the flip-up hood, you can do daily maintenance in a matter of minutes. Plus, with the new Tier 4 Final engine, there's no new maintenance needs to worry about.



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### SAFETY™ NEVER HURTS

Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

NOTE: All engines meet current EPA emissions regulations.

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



Contains 10%  
post-consumer fiber

IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE construction equipment  
is biodiesel-friendly.