

N-SERIES BACKHOE LOADERS
580N | 580SN | 590SN

CASE
CONSTRUCTION



STRONGER
EVERYWHERE

www.casece.com
EXPERTS FOR THE REAL WORLD
SINCE 1842

N-SERIES BACKHOE LOADERS

POWER WHERE YOU NEED IT MOST – EVERYWHERE!

Put the industry's toughest loader/backhoe to work on your jobsite.

Proven performance

Long before we launched the new Case N Series loader/backhoes, veteran backhoe operators put our machines to work. And they agree. They're four tough machines. Re-engineered from the ground up, the new Case loader/backhoes deliver industry-leading backhoe breakout force, increased loader lift capacity/reach and best-in-class cab visibility.

Best-in-class productivity

Our new loader arm design will boost your productivity. The loader delivers more breakout force. It has superior reach to dump material into the center of haul trucks with rail extensions. Our new machines have 36 percent greater lift capacity. Plus, we reach deeper dig depths than the previous market leader!

Superior comfort and visibility

When your operation runs day and night, our new cab keeps your operators productive. Floor-to-ceiling windows provide superior visibility. New rear-quarter windows provide easy communication to the back of the machine and improve cross-ventilation comfort. The high-intensity lighting package improves performance by 28 percent, providing superior visibility and overlapping field coverage. And our 'easy flex' side lights offer 45 degree rotation to deliver extra lighting where it's needed most.



New rear-quarter windows and side lighting



NSERIES

STRONGER EVERYWHERE



Optimized hose routing for demolition work

New powershift transmission family

The N Series introduces a new transmission family, the Powershift H-type and Powershift S-type, allowing operators to shift from the column. The transmission provides a standard kick-down feature and introduces the industry exclusive SmartClutch modulation. The SmartClutch feature lets operators customize the transition from forward to reverse to meet the demands of their specific application.

Easy maintenance

Case is famous for easy ground line daily maintenance. Swing-out

coolers are easy to access. Axles, with outboard-mounted wet disc brakes, are serviceable without complete disassembly. Add a flip-up hood, spin-on filters, grouped site gauges, and you're saving routine maintenance time. Our customer support team also provides a Customer Assistance Hotline nearly 24 hours a day.

Want more info?

Visit www.CompareCase.com or www.Casece.com. Then, see your Case dealer for a demonstration, climb inside and put a new N Series loader/backhoe to work.



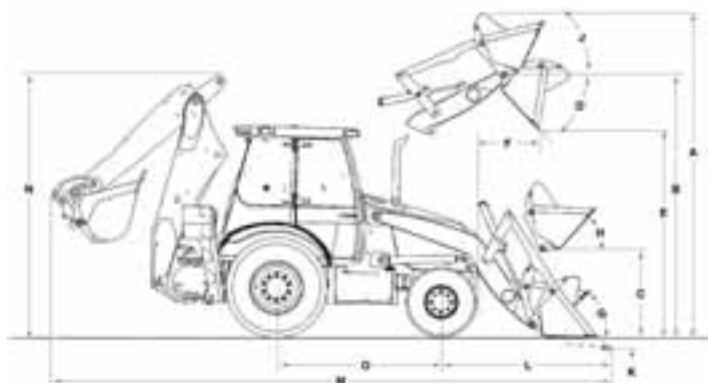
SPECIFICATIONS

	580 N	580 SUPER N	590 SUPER N
Engine	Case 445T/M3	Case 445TA/E3	
Net hp (kW) @ rpm	79 hp (59 kW) @ 2200 rpm	95 hp (71 kW) @ 2200 rpm	108 hp (81 kW) @ 2200 rpm
Net max. torque @ 1400 rpm	366 Nm w/33° fan 364 Nm w/39° fan	328 lb.ft (445 N.m) 333 lb.ft (452 N.m) w/viscous fan	380 lb.ft (515 N.m)
Dig Depth Classification	14 to 15 ft.	14 to 15 ft.	15 to 16 ft.
Standard Transmission	Powershuttle	Powershuttle	Powershift S-Type
Optional Transmission	Powershift S-Type	Powershift S-Type	Powershuttle
Optional Transmission	-	Powershift H-Type	Powershift H-Type
BACKHOE BREAKOUT			
Bucket	11,333 lbf	14,223 lbf**	15,652 lbf**
Dipper	6,710 lbf	9,069 lbf**	9,478 lbf**
Loader Breakout			
Bucket	9,517 lbf	9,807 lbf	11,104 lbf
Dipper	10,622 lbf	10,947 lbf	12,776 lbf
Power Lift Option	-	Available	Available
Lift capacity to full height ¹	6,454 lb (2930 kg)	6,703 lb (3040 kg)	7,807 lb (3541 kg)
Bucket cutting edge width ¹	82 in (2.08 m)	82 in (2.08 m)	93 in (2.36 m)
Departure angle - 2WD/4WD	15.3° / 19°	15.3° / 19°	NA / 18.4°
Operating Weight*	14,564 lb (6,607 kg)	17,226 lb (7,814 kg)	20,458 lb (9280 kg)

* Operating weight may vary depending on machine configuration. 1 With 4 IN 1 bucket.

LOADER DIMENSIONS

580 Super N – 4WD, 4 IN 1® bucket, 19.5 L x 24 rear tires.



A Overall operating height - Fully raised	13 ft 7.8 in (4.16 m)
B Height to bucket hinge pin - Fully raised	11 ft 2.5 in (3.42 m)
C Height to bucket hinge pin - SAE carry	13.6 in (345 mm)
D Dump angle @ full height	47°
E Dump clearance @ full height, 43° dump	
- Bucket	8 ft 10.9 in (2.71 m)
- Clam open	9 ft 8.3 in (2.96 m)
F Dump reach @ full height, 45° dump (from bumper)	
- Bucket	29.1 in (7 mm) 738
- Clam open	15.3 in (3 mm) 388
G Bucket rollback @ groundline	42°
H Bucket rollback @ SAE carry	42°
J Bucket rollback @ full height	Adjustable
K Digging depth below grade	
- Bucket flat	4.8 in (122 mm)
- Clam open (dozing)	4.1 in (103 mm)
L Reach from front axle centerline - Bucket on ground	6 ft 0.7 in (2.03 m)
M Overall transport length	23 ft 1.9 in (7.06 m)
N Height - Transport	11 ft 0.5 in (3.37 m)

NOTE: CASE provides specific outfits for various countries and many optional fittings (OPT). The illustrations on this or other leaflets may relate to standard or optional fittings. Please consult your CASE dealer for any information in this regard and any possible updating on components. CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.