

STEP AHEAD >>>

NX30
neo



NEXTGEN SERIES

The NX30 Neo brings together performance, productivity, versatility and an enhanced operator experience in a compact, capable package. Designed to meet the demands of modern applications, it delivers the power and flexibility to take on diverse tasks with confidence, even in confined and challenging jobsites.

Backed by Tata Hitachi's engineering expertise and commitment to reliability, the NX30 Neo is built to deliver more capability, more confidence and more value — every day.

NX30 Neo — The new face of compact performance.



>>> **neo PERFORMANCE.** **MORE POWER TO PROGRESS.**

NX30 Neo, combination of power, fuel efficiency and productivity is powered by a next generation Yanmar engine that churns out a class leading power of 27.4 HP. This power is channelized through **Enhanced & Optimized Hydraulic System (EOHS)**.

EOHS

- 100% pilot controlled operations
- Independent speed operations
- Faster attachment speeds
- Smoother combined operations
- Least fuel consumption at peak performance



Pump



Engine

>>> **neo DEPENDABILITY.** **BUILT FOR EVERY DAY.**

Built to last.

Quality components tested and validated to Hitachi's global standards makes this machine highly reliable delivering maximum uptime for customers.

A tough complete sheet metal body provides excellent wear resistance & shields all vital components. It also gives the machine good stability & durability.

This machine has heavy duty undercarriage comprising of HD track frame, HD track chain with durable rollers. All these give the machine a sturdy base to perform in demanding applications.



Undercarriage



Control Valve

>>> **neo VERSATILITY.** **READY FOR EVERY JOB.**

Designed and developed to work in harmony with a wide range of attachments, this machine offers exceptional versatility.

- The machine comes in tailor made options and is easily customizable with various attachments.
- Factory fitted rock breaker piping is available as an option.



Rock Breaker



Auger



1.0 ft. wide



2 ft. wide

Wide range of bucket options



Sturdy Front Attachment

- Longer arm (1.2m) *neo*
- Heavy duty boom and arm
- Cylinder guard for boom cylinder



Durable & Reinforced Buckets

- Wide range of buckets available
- Bigger bucket (0.08 m³) *neo*
 - 2.0 ft. wide
 - 1.0 ft. wide



Features

- Offset boom *neo*
- Auto kick down *neo*
- Boom holding valve *neo*
- All sheet metal body
- IP67 electrical connector for protection from dust and water spillage



Easy & Simple to Maintain

- Vertical lifting engine hood
- Long drain hydraulic oil - 4000 hours
- Low fuel level warning on display
- Fuel level display on dashboard
- Air pre-cleaner



Rugged Undercarriage

- Heavy duty track chain
- Track guard to guide track chain
- Reliable travel device
- Longer track chain *neo*
- 4 Lower rollers *neo*
- Increased travel speed *neo*
- Protected dozer cylinder
- Dozer blade positioned for maximum reach



Ergonomically Designed Canopy

- 4 pillar canopy
- LED lamps
- Heat resistant roof liner
- Fan for operator comfort
- Spacious canopy *neo*
- Adjustable arm rest *neo*
- Reading lamp *neo*



Reliable and Powerful Japanese Engine

- High engine power of 27.4 HP
- Fuel efficient engine



EOHS Hydraulics (Enhanced & Optimized Hydraulic System)

- Faster attachment speeds
- Smoother combined operations
- Load sensing variable pump system *neo*
- Reliable aggregates *neo*
- Least fuel consumption



Spacious and Comfortable Workstation

- Ergonomically placed controls
- Smoother pilot levers *neo*
- Improved operator seat *neo*
- Fully pilot controlled operations



Swing Bearing

- Internal type gear
- Highest swing speed in its class - 10.5 rpm
- Increased swing torque *neo*



>>> **neo COMFORT.** **WORK BETTER. WORK LONGER.**

Packed with Next Gen features this design maximizes operator productivity and minimizes fatigue. Excellent all-round visibility, comfortable suspension seat and ergonomic controls, ensure best-in-class operator comfort.

- Canopy with insulated roof liner for minimizing heat in work station
- LED lamps
- Fully pilot controlled operations
- USB port available
- Weight adjustable suspension seat with 8 options;
- Intuitive fingertip controls
- Smooth pilot levers
- Armrest, seat belt, fan, USB charging port



>>> **neo VALUE.** **MORE OUTPUT. LESS DOWNTIME.**



Least Fuel Consumption

- EOHS operating system
- Load sense variable pump



Lowest Maintenance Cost

- Quality and reliable aggregates
- Long drain hydraulic oil- 4000 hours
- Engine oil change interval- 500 hours
- Air pre cleaner for long life of engine



Ease of Transport

Easily transportable on a small carrier/pick up vehicle

- Overall transport length - 4331 mm
- Overall width - 1500 mm

>>> **neo SUPPORT.** **PEACE OF MIND. EVERY DAY.**

Tata Hitachi's Genuine Spare Parts, along with strategically located warehouses and Field Diagnostic Vehicles provide quicker after-sales support. Our extensive dealership network and trained engineers support and carry out all the maintenance activities thereby providing complete peace of mind to the customers.



4000 hours hydraulic oil change interval



Simplified maintenance



Mobile Workshop



Field Diagnostic Vehicle



SPECIFICATIONS

ENGINE

Model	Yanmar 3TNV88-BSTAH
Type	Water cooled, 3-cylinder diesel engine, direct injection
Engine Power (Gross) (ISO 14396:2002)	20.4 kW @ 2200 rpm
Total displacement	1,642 L
Max torque	106 Nm @ 1200 rpm
Battery	12 V

HYDRAULIC SYSTEM

Main pumps	1
Maximum oil flow(Main Pumps)	92.4 LPM
Pilot pump	1 gear pump
Maximum oil flow	8.8 LPM

RELIEF VALVE SETTINGS

Implement circuit	195 kgf/cm ²
Travel circuit	215 kgf/cm ²
Pilot circuit	35 kgf/cm ²

UNDERCARRIAGE

Travel Speed - High Mode	4.6 kmph
Travel Speed - Low Mode	2.3 kmph
Max Traction force	3365 kgf
Gradeability	58 % (30°)
No. of upper Roller (Each Side)	1
No. of lower Roller (Each Side)	4
No. of Track shoe (Each Side)	42
Shoe width	280 mm

SWING SYSTEM

Swing Speed	10.5 rpm
Swing torque	6264 Nm
Boom Swing left	55°
Boom Swing Right	70°

SERVICE REFILL CAPACITY

Fuel tank	32 L
Hydraulic system	67 L
Hydraulic oil	42 L
Travel device (Each side)	0.8 L
Engine oil	6.7 L
Engine coolant	3.5 L

DIGGING FORCES

Bucket Digging Forces (ISO 6015 : 2006)	2670 kgf
Arm Crowding Forces (ISO 6015 : 2006)	1725 kgf

BUCKETS

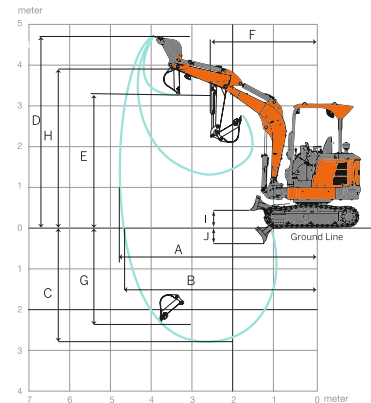
Capacity (ISO 7451 : 2007 heaped)	Width		Weight	No. of tooth points
	With side cutter	Without side cutter		
0.04 m ³	364 mm	334 mm	45 kg	3
0.08 m ³	625 mm	598 mm	73 kg	4

Note: Suitable for materials with density of 1600Kg/m³ or less

*Wide bucket

WORKING DIMENSION

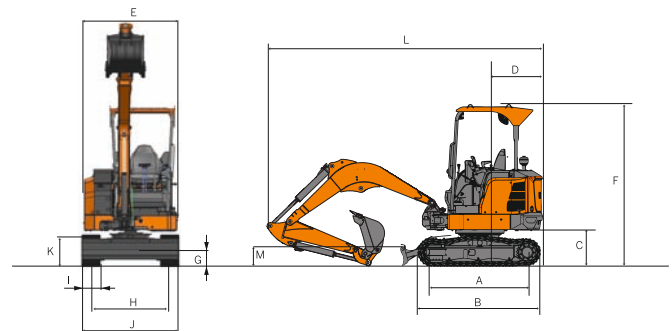
NOTE: THE DIAGRAM AND MACHINE FIGURE USED HERE IS FOR REPRESENTATIONAL PURPOSE ONLY.



A	Maximum digging reach	4,775
B	Maximum digging reach on ground	4,650
C	Maximum digging depth – dozer up	2,655
D	Maximum digging height	4,325
E	Maximum dump height	3,025
F	Minimum front swing radius (no offset)	2,018
G	Maximum vertical wallcut depth	2,489
H	Maximum height to dipper nose	3,693
Dozer		
I	Maximum height (Above ground)	341
J	Maximum depth (Below ground)	332

*All dimensions are in mm

DIMENSION



Arm length		1,200
Boom length		2,170
A	Sprocket idler centres	1,595
B	Undercarriage overall length	2,030
C	Counterweight clearance	579
D	Tailswing radius	980
E	Overall width of superstructure	1,433
F	Height over cab	2,528
G	Ground clearance	273
H	Track gauge	1,220
I	Track width	280
J	Width over tracks	1,500
K	Track height	495
L	Transport length	4,331
M	Blade height	340
	Blade width	1,500

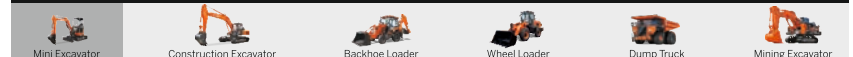
*All dimensions are in mm

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OUR RANGE OF PRODUCTS



Authorised Dealer

These specifications are subject to change without prior notice. The machine depicted may vary from the actual machine. Please contact our nearest office for latest specifications. Accessories shown here are not part of the standard equipment. Performance of the machine may vary with site and operating conditions encountered.