

**SPECIFICATIONS**

**ENGINE**

Model	Yanmar 3TNV88-BSTAH
Type	Water cooled, 3-cylinder diesel engine, direct injection
Engine Power (Net)	19.7 kW @ 2200 rpm
Engine Power (Gross)	20.4 kW @ 2200 rpm
Total displacement	1642 L
Max torque	106 Nm @ 1200 rpm
Battery	12 V

**HYDRAULIC SYSTEM**

Main pumps	3
Maximum oil flow(Main Pumps)	68 LPM
P1 & P2	2 x 22 LPM
P3	24.2 LPM
Pilot pump	1 gear pump
Maximum oil flow	8.8 LPM

**RELIEF VALVE SETTINGS**

Implement circuit	175 kgf/cm <sup>2</sup>
Swing circuit	145 kgf/cm <sup>2</sup>
Travel circuit	175 kgf/cm <sup>2</sup>
Pilot circuit	25 kgf/cm <sup>2</sup>

**UNDERCARRIAGE**

Travel Speed	1.6 - 3.2 kmph
Max Traction force	2990 kgf
Gradeability	58 % (30°)
No. of upper Roller	1
No. of lower Roller	3
No. of Track shoe	40
Shoe width	280 mm

**SWING SYSTEM**

Swing Speed	10.5 rpm
Swing torque	490 Nm
Boom Swing left	50°
Boom Swing Right	80°

**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)	2325 kgf
Arm Crowding Forces (ISO)	1460 kgf

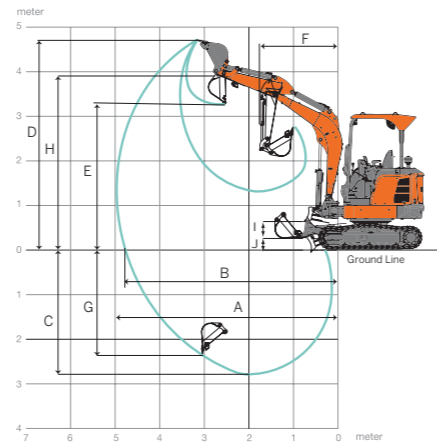
**BUCKETS**

Capacity	Width		Weight	No. of tooth points
	With side cutter	Without side cutter		
0.07 m <sup>3</sup>	544 mm	514 mm	61 Kg	4
*0.07 m <sup>3</sup>	621 mm	595 mm	65 Kg	4
0.04 m <sup>3</sup>	364 mm	334 mm	45 Kg	3

Note: Suitable for materials with density of 1600Kg/m<sup>3</sup> or less  
\*Wide bucket

**WORKING DIMENSION**

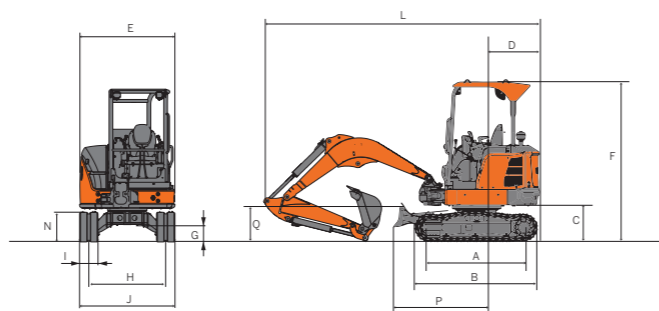
NOTE: THE DIAGRAM AND MACHINE FIGURE USED HERE IS FOR REPRESENTATIONAL PURPOSE ONLY.



A	Maximum digging reach	4555
B	Maximum digging reach on ground	4428
C	Maximum digging depth – dozer up	2625
D	Maximum digging height	3922
E	Maximum dump height	2666
F	Minimum front swing radius (no offset)	2107
G	Maximum vertical wallcut depth	1862
H	Maximum height to dipper nose	3337
I	Max height (above ground)	341
J	Dig Depth (below ground)	385

\*All dimensions are in mm

**DIMENSION**



<b>Arm length</b>	<b>1200</b>	
<b>Boom length</b>	<b>2100</b>	
A	Sprocket idler centres	1490
B	Undercarriage overall length	1926
C	Kingpost clearance	574
D	Tailswing radius	980
E	Overall width of superstructure	1457
F	Height over cab	2527
G	Ground clearance	268
H	Track gauge	1220
I	Track width	280
J	Width over tracks	1500
N	Track height	495
L	Transport length	4150
	Blade Width	1450
	Blade Height	333

\*All dimensions are in mm

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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.

**STEP AHEAD** >>>

**NX30**  
**NEXTGEN**  
SERIES



Model : NX30 | Engine Power 27.4 HP @2200 rpm | Operating Weight : 2900 kg | Bucket Capacity : 0.04 m<sup>3</sup> - 0.07 m<sup>3</sup>

**NEXTGEN**  
SERIES

The all new Tata Hitachi **NX Series of hydraulic excavators** marks the dawn of the new generation. One that meets the next generation of customer expectations – that of performance, reliability, comfort, versatility maintainability, and savings.

The NX30 is the first in the series that packs quite a punch in its mini frame. With stunning signature looks that adds a distinct touch to this new series the NX30 upholds the class and stature of products from Tata Hitachi, the pioneers of mini excavators in India.

**Step Ahead in your business with Tata Hitachi's Next Gen Excavators**



**STEP AHEAD**  
**WITH NEXT GEN PERFORMANCE**

NX30 - combination of power, fuel efficiency and productivity. NX30 is powered by a next generation Yanmar engine that churns out a class leading 27.4HP. This power is channelised through our new Next Gen - intelligent load adapted hydraulic flow control system (NGOS) to deliver next gen performance.

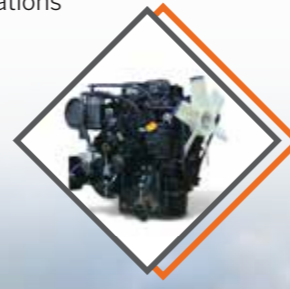


The Next Gen Hydraulics is powered by the all new Quadra Flow Hydraulic System, a unique (patent registered) 4 pump system that delivers variable displacements to match the load and speed requirements of various applications to deliver peak performance at the least possible fuel consumption. The system is very simple and easy to maintain and delivers:

- 100% pilot controlled operations
- Independent speed operations
- Faster attachment speeds
- Smoother combined operations
- Lower fuel consumption



Pump



Engine

**STEP AHEAD**  
**WITH NEXT GEN DEPENDABILITY**

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 bolted shoes, durable rollers. All these give the machine a sturdy base to perform in demanding applications.



Undercarriage



Control Valve

**STEP AHEAD**  
**WITH NEXT GEN VERSATILITY**

Designed and developed to work in harmony with a range of attachments which makes this machine a highly versatile one.

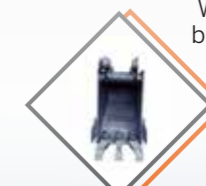
- The machine comes in tailor made options and is easily customizable with various attachments
- Option of factory fitted rock breaker piping kit



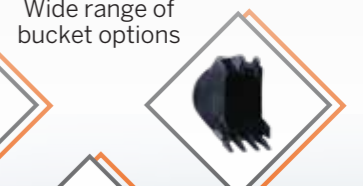
Rock Breaker



Auger



1.0 ft. wide



1.75 ft. wide



2 ft. wide

Wide range of bucket options



»» **STEP AHEAD**  
**WITH ULTIMATE PERFORMANCE AND ADVANCED FEATURES**



- Sturdy front attachment**
- Sturdy digging equipment designed for durability
  - Protected, smartly-positioned boom cylinder



- Durable & reinforced Buckets**
- Wide range of buckets available
    - 2.0 ft. wide
    - 1.75 ft. wide
    - 1.0 ft. wide



- Features**
- Tool box available on the RHS
  - Magic eye
  - 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
  - Cyclonic pre-cleaner



- Rugged undercarriage**
- Heavy duty track chain with bolted shoes
  - Track guard to guide track chain
  - Reliable travel device
  - 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



- Reliable and powerful Japanese engine**
- High engine power of 27.4 HP



- Hydraulics NGOS**
- Faster attachment speeds
  - Smoother combined operations
  - Lower Fuel Consumption



- Spacious and comfortable workstation**
- Ergonomically placed controls
  - Fully pilot controlled operations
    - Smooth pilot levers
  - 8 adjustable options in the seat



- Swing bearing**
- Internal type gear
  - Higher swing speed in its class – 10.5 rpm



»» **STEP AHEAD**  
**WITH NEXT GEN COMFORT**

Packed with Next Gen features which are designed to maximize operator productivity and minimize 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
- 12V electric socket
- Weight adjustable suspension seat with 8 options;
- Intuitive fingertip controls
- Smooth pilot levers
- Wrist rest, seat belt, fan, USB charging port



»» **STEP AHEAD**  
**WITH NEXT GEN SUPPORT & MAINTENANCE**

Achieve higher performance and peace of mind through extended warranty and with Tata Hitachi Genuine Spare Parts, strategically located warehouses and Field Diagnostic Vehicles for quicker after-sales support. Extensive dealership network and trained engineers to support and carry out on the maintenance activities.



4000 hours hydraulic oil change interval



Simplified maintenance



Mobile Workshop



Field Diagnostic Vehicle



\*Based on testing done in controlled and standard environment. Terms and condition apply.

»» **STEP AHEAD**  
**WITH HIGHER SAVINGS**



- Least Fuel Consumption**
- NGOS
  - Quadra flow hydraulic system



- 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 - 4150 mm
  - Overall width - 1500 mm

