



**TATA HITACHI**

Reliable solutions

# STEP AHEAD

**NX80**  
**NEXTGEN**  
SERIES



Engine Power: 49 PS @ 2100 rpm | Operating Weight: 7400 - 7700 kg | Bucket Capacity: 0.35 m<sup>3</sup>



# NEXTGEN SERIES

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

Featuring the signature designs that give the new series a unique flair, the NX80 machine maintains the class and stature of Tata Hitachi products, 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

### Higher production

- Next generation high torque engine
- Intelligent Optimum Hydraulic System (iOHS)
- Provision of bigger GP bucket size of 0.35 m<sup>3</sup>
- Flow combination for bucket out operation
- Smooth combined operations of travel with attachments including dozer



### Features for fuel efficiency

- Auto idle and auto deceleration
- Mode selection – E, S and P modes
- Dial type throttle
- Hydraulic regeneration system



Pump



Engine

## STEP AHEAD WITH NEXT GEN DEPENDABILITY

### Higher Durability

- Strengthened arm-bucket joint
- Reinforced track frame (near idler)
- Track guard as standard fitment
- 2-point upper roller support

### Higher Reliability

- With Japanese technology Yanmar engine
- CAD designed, robot welded, tested and validated to relevant standards
- Proven and reliable aggregates
- Ergonomic handrails
- Bolttable toolbox



Bucket



Undercarriage

## STEP AHEAD WITH NEXT GEN VERSATILITY

### Attachments

- The machine comes in tailor made options and is easily customizable with various attachments
- Option of factory fitted rock breaker piping kit
- Wide range of bucket options
- AQUA variant for salt pan applications/ marshy underfoot conditions





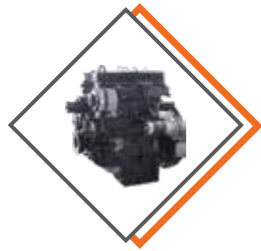
STEP AHEAD  
WITH ULTIMATE PERFORMANCE AND ADVANCED FEATURES



- Arm regeneration
- Holding valves in boom arm bucket
- Rock breaker piping kit (optional)
- Faster bucket dump operation **NEW**
- Smooth combined operation **NEW**



- Sturdier bucket cylinder with metallic cap for seal protection
- Larger pin diameter - arm-bucket joint
- Flanged bushes
- Bigger boss at arm - bucket joint



- Next generation high torque engine
- Low noise And low vibrations
- Reliable Japanese engine



- Comfortable and spacious cabin
- Weight adjustable suspension seat
- Seat belt, fan and music system
- LCD display monitor **NEW**
- Aesthetic and spacious, ROPS & FOPS Level -1 cabin **NEW**
- Standard AC cabin **NEW**



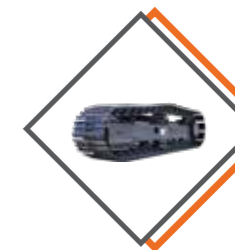
- 100% pilot operation (including travel and dozer)
- Smoother pilot levers



- Cyclonic air pre - cleaner
- High performance return line filter with 1500 hrs change interval **NEW**



- All - new high efficiency hydraulic pump **NEW**
- New generation control valve **NEW**
- Opening hood at counterweight side **NEW**
- Ergonomic handrails **NEW**
- Bolttable toolbox **NEW**



- Choice of track shoe - 450 mm/ 600 mm
- Double supported upper roller
- Dozer cylinder guard for cylinder protection



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

**Comfort**

- Weight adjustable suspension seat with multiple seat adjustments
- Aesthetic and spacious ROPS & FOPS level-1 cabin
- 100% pilot controlled operations including dozer and travel
- Low Noise
- Standard AC cabin
- LCD display monitor
- Battery disconnect switch
- Smooth operating levers
- Ergonomic controls



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

- Opening hood at counterweight side for serviceability
- Wide spread dealer network for easy availability of spare parts
- Field diagnostic vehicle and mobile workshop for quicker after-sales service
- Extended service intervals for reduced maintenance cost
- InSite – 4G Telematics suite for real time monitoring



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

**High Resale Value**

- Most trusted brand
- Largest dealer network
- Highly reliable and durable machines

**Low Maintenance Cost**

- Long drain hydraulic oil change interval – 4500 hrs
- Maintenance free cyclonic air pre-cleaner
- Fuel pre-filter for better filtration efficiency
- HP return line filter for longer life of hydraulic aggregates



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



## SPECIFICATIONS

### ENGINE

Model .....Yanmar 4TN98S  
 Rated .....Water cooled,4 cylinder in - line diesel engine  
 Gross power..... 49 PS @ 2100 rpm  
 Max.torque..... 214 Nm @ 1260 rpm  
 Batteries ..... 2x12V

### HYDRAULIC SYSTEM

Main pumps ..... 2 variable displacement axial piston pumps  
 Flow rate ..... 2x60 lpm  
 Pilot pump ..... 1 gear pump  
 Flow rate ..... 19 lpm  
 Dozer pump ..... 1 gear pump  
 Flow rate ..... 33 lpm

### SUPERSTRUCTURE

Swing Speed ..... 12.8 rpm

### RELIEF VALVE SETTINGS

Implement circuit .....265 kgf/cm<sup>2</sup>  
 Swing circuit ..... 235 kgf/cm<sup>2</sup>  
 Travel circuit ..... 280 kgf/cm<sup>2</sup>  
 Dozer circuit ..... 220 kgf/cm<sup>2</sup>  
 Pilot circuit ..... 35 kgf/cm<sup>3</sup>

### UNDERCARRIAGE

Travel Speed .....Low 2.7- High 5.0 kmph  
 No. of upper rollers .....1x2  
 No. of lowers rollers.....5x2  
 No. of track shoes .....37x2  
 Shoe width ..... 450 mm

### SERVICE REFILL CAPACITIES

Hydraulic tank .....42.0 ltr  
 Hydraulic system .....92.0 ltr  
 Fuel tank .....135.0 ltr  
 Engine coolant .....12.0 ltr  
 Engine oil.....10.2 ltr  
 Travel device (Each side) .....1.8 ltr

### WEIGHTS AND GROUND PRESSURE

Machine	Operating weight	Ground pressure
Backhoe with dozer blade	7500 kg	0.36 kgf / cm <sup>2</sup>

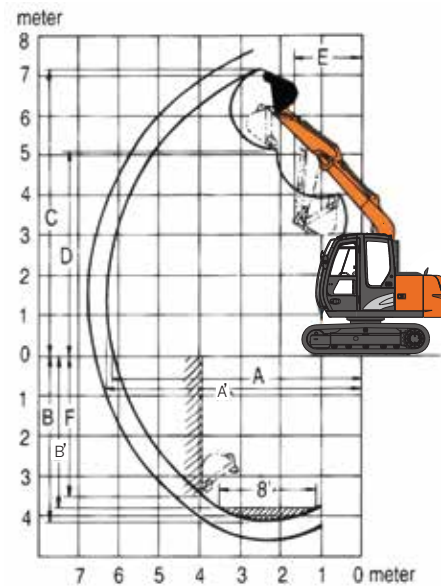
### DIGGING FORCES

Bucket digging force (ISO 6015: 2006) ..... 5600 kgf  
 Arm crowd force (ISO 6015: 2006) ..... 3900 kgf

### BUCKETS

Capacity	Width with side cutter	Width without side cutter	Weight	Tooth Points	Type
0.35 m <sup>3</sup>	860 mm	770 mm	255 kg	5	GP
0.32 m <sup>3</sup>	-	705 mm	210 kg	4	HD
0.30 m <sup>3</sup>	750 mm	660 mm	216 kg	4	GP
0.13 m <sup>3</sup>	-	360 mm	176 kg	2	Trench
0.68 m <sup>3</sup>	-	1350 mm	240 kg	-	LD (Less than 800kg/m <sup>3</sup> )

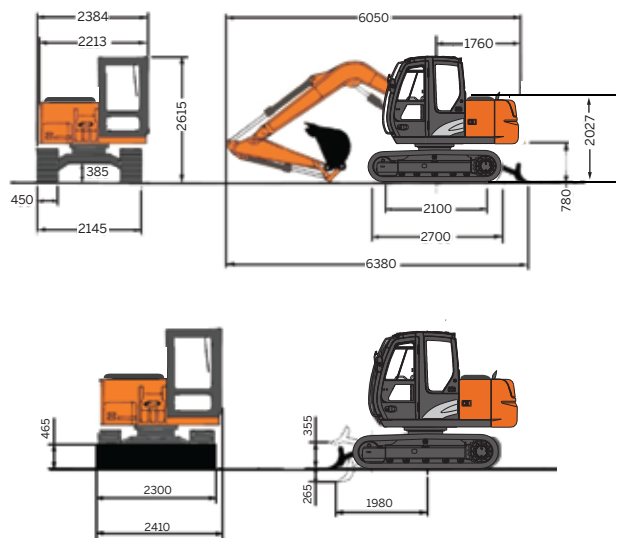
### WORKING RANGES



		3720	
		1620	2120
A	Max. digging reach	6350	6800
A'	Max. digging reach (on ground)	6190	6660
B	Max. digging depth	4060	4660
B'	Max. digging depth (8 level)	3740	4370
C	Max. cutting height	7170	7550
D	Max. dumping height	5050	5470
E	Min. swing radius	1730	2060
F	Max. vertical wall depth	3600	4060

All dimensions are in mm

### DIMENSIONS



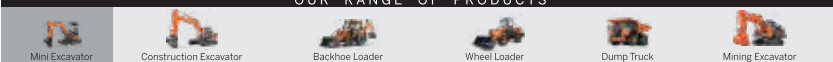
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### OUR RANGE OF PRODUCTS



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.