

IHI

Zero Tail Swing Mini Excavator

20NX 25NX

Standard Bucket Capacity: ISO 0.07m³

Standard Bucket Capacity: ISO 0.08m³

NX



For the World. The Perfect Balance of Operability and Performance. The 20NX/25NX from IHI.

These new mini excavators are equipped with the largest engine in their class to deliver powerful performance. And they also offer joystick lever control for precision operation at the work site. IHI puts power and precision within your grasp.



High-power high-performance engine



Closer proximity between bucket and dozer blade



Joystick lever and roomy operator's seat



Fully-opening engine cover and side cover



Fully-opening battery cover

Performance of a World Standard

- Equipped with large engine to deliver substantial performance in combination with the variable pump with power shift. Using a 3-pump system, swing operations and dozer blade operations are independently controllable making dirt packing and bulldozing much easier.
- The auxiliary valve offers upgraded flow capability, so it is possible to install a higher class hydraulic circuit breaker.
- By closing the distance between the dozer blade and bucket teeth, it is now easier to gather and scoop up loose dirt and gravel.
- Incorporates a 2-speed transmission. Offers both high power for excavating, and high speed for travel.

Easy Operation of a World Standard

- Walk-through design allows boarding and exiting through the right or left side.
- Joystick lever control enables precision operation.
- Large-capacity hydraulic oil cooler helps to protect against overheating even during continuous use.

Durability and Maintenance of a World Standard

- Boom swing bracket, vertical axis pin and boom foot have been enlarged to increase durability. Assures reliable performance during continuous heavy-duty jobs.
- Enlarged size turning bearings for increased durability.
- Enlarged oil cooler and radiator, made of aluminum for superior corrosion resistance.
- Bucket cylinder hose is completely stored, and boom cylinder hose is positioned in the rear, thereby protecting against wear and tear.
- Fully-opening engine cover makes it easier to access the engine for maintenance.

Safety and Eco-friendliness of a World Standard

- Cabin with plenty of space, surpassing ISO-standard specifications and compliant with TOPS of the CE standard, is available. (May be optional depending on sales region.)
- Engine compliant with gas emission regulations set by the Japanese Ministry of Land, Infrastructure and Transport, as well as the EPA of the U.S.A.
- Using a cooling fan and exhaust resonator, it meets standards for low noise as set by the Japanese Ministry of Land, Infrastructure and Transport. (certification pending)



20NX

Machine weight	1980 kg
Bucket capacity	0.07 m ³
Crawler width	1500 mm
Tail swing radius	750 mm
Max. digging depth	2250 mm



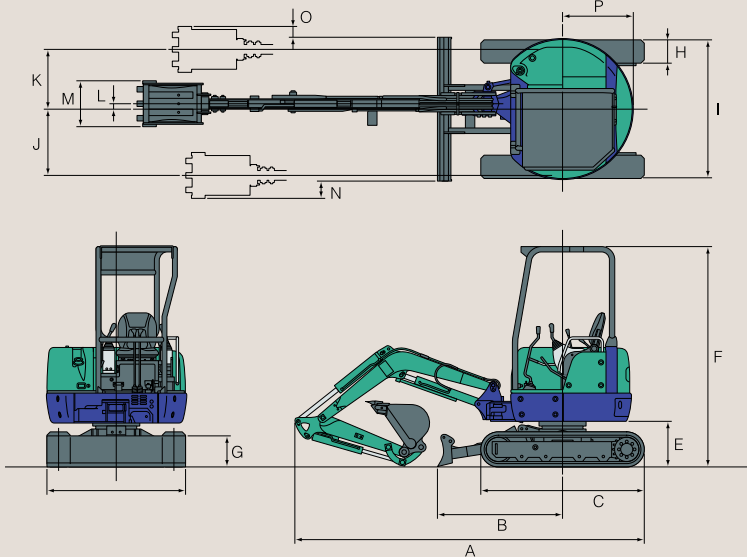
25NX

Machine weight	2550 kg
Bucket capacity	0.08 m ³
Crawler width	1550 mm
Tail swing radius	775 mm
Max. digging depth	2520 mm



■ Dimensions

Figure is in proportion to 20NX

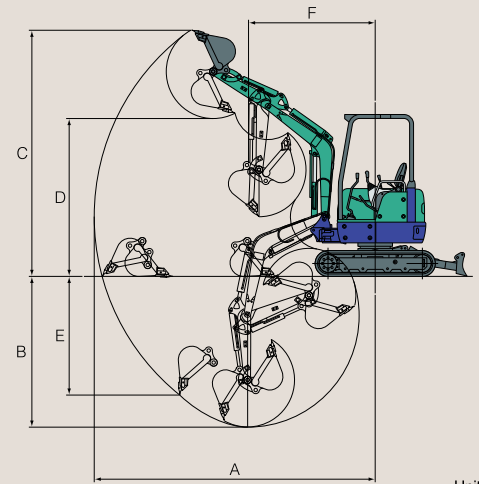


Unit: mm

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
20NX	3810	1360	1810	1500	500	2410	350	250	1500	700	650	50	450	175	125	750
25NX	3940	1470	1895	1550	560	2460	365	300	1550	700	560	50	500	175	35	775

■ Working Range

Figure is in proportion to 20NX



Unit: mm

	20NX	25NX
A Maximum. digging radius	4200	4500
B Maximum. digging depth	2250	2520
C Maximum. digging height	3670	4050
D Maximum. dumping height	2370	2750
E Maximum. vertical digging depth	1750	1950
F Minimum. front turning radius At right boom swing	1870	1940
	1540	1510

■ Specifications

	20NX		25NX	
●Performance				
STD.bucket capacity(ISO)	0.07m ³	2.5ft ³	0.08m ³	2.8ft ³
STD.bucket width	450mm	17.7"	500mm	19.7"
Operating weight	1980kg	4365lbs	2550kg	5622lbs
Machine weight	1510kg	3439lbs	1970kg	4343lbs
Swing speed	9.8min ⁻¹	9.8rpm	10min ⁻¹	10rpm
Travel speed(low/high)	2.3/4.5km/h	1.4/2.9mph	2.3/4.5km/h	1.5/2.8mph
Gradeability	30°		30°	
Ground pressure	26kPa	3.8psi	27kPa	3.9psi
Max. bucket digging force	19.6kN	4406lbs	19.6kN	4406lbs
●Engine				
Model	YANMAR 3TNV76		YANMAR 3TNV76	
Rated output	13.0kW(17.7PS)/2200rpm	17.4HP/2200rpm	13.5kW(18.4PS)/2300rpm	18.1HP/2300rpm
Fuel tank capacity	33L	8.7gal	33L	8.7gal
●Boom swing system				
Type	Boom offset with hydraulic cylinder		Boom offset with hydraulic cylinder	
Swing angle (L/R)	60°/80°		50°/90°	
●Hydraulic system				
Pressure	20.6Mpa	2988psi	20.6Mpa	2988psi
Pump hydraulic flow	24.6L/minx2+17.6L/min	6.5gpmx2+4.6gpm	29.9L/minx2+19.8L/min	7.9gpmx2+5.2gpm
●Dozer blade				
Size(Width x Height)	1500mm x 350mm	59.0" x 13.8"	1550mm x 365mm	61.0" x 14.4"
Lift above ground	340mm	13.4"	370mm	14.6"
Drop below ground	370mm	14.6"	395mm	15.6"

■ Options

Loading bucket capacity/width(ISO)	0.09m ³ /550mm 0.08m ³ /500mm	3.2ft ³ /21.7" 2.8ft ³ /19.7"	0.09m ³ /550mm	3.2ft ³ /21.7"
Digging bucket capacity/width(ISO)	*0.04m ³ /250mm *0.05m ³ /320mm 0.06m ³ /400mm	*1.4ft ³ /9.8" *1.8ft ³ /12.6" 2.1ft ³ /15.7"	*0.04m ³ /250mm *0.05m ³ /320mm 0.06m ³ /400mm 0.07m ³ /450mm	*1.4ft ³ /9.8" *1.8ft ³ /12.6" 2.1ft ³ /15.7" 2.5ft ³ /17.7"
Long arm STD.bucket capacity/width(ISO)	0.06m ³ /400mm	2.1ft ³ /15.7"	0.06m ³ /500mm	2.1ft ³ /15.7"
Reinforced bucket capacity/width(ISO)	0.07m ³ /450mm	2.5ft ³ /17.7"	0.08m ³ /500mm	2.8ft ³ /19.7"
Steel shoe width(incl. rubber pad attachment holes)	250mm	9.8"	300mm	11.8"
Rubber padded crawler	O		O	
Long arm length	STD+300mm	STD+11.8"	STD+300mm	STD+11.8"
TOPS Canopy	(O)Standard		(O)Standard	
Steel cab	O		O	
Canopy	O		O	
Air conditioner	O		O	
Power port/Auxiliary hydraulic flow (Theoretical)	43L/min	11.4gpm	48L/min	12.7gpm

*without side cutter

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