

IHI

Zero Tail Swing Mini Excavator

35NX

Standard Bucket Capacity: ISO 0.11m³



NX

The central graphic features the letters 'NX' in a large, bold, metallic font with a brushed metal texture. A glowing, three-dimensional ring orbits around the letters, with a bright light source at its top right end, creating a lens flare effect. The background is a deep blue with a faint, semi-transparent image of the excavator's boom and bucket.

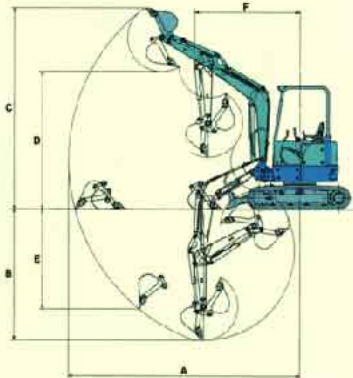
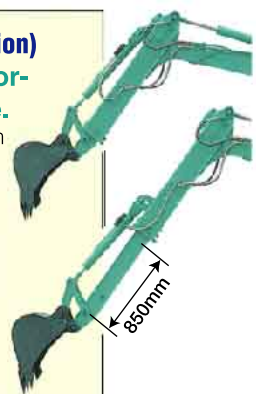
Equipped with IHI's well-received "Crawler Spanner" as standard.
Widening the appeal of the 35NX.



Slide Arm Specification (option)

4 meter digging depth for performance that's 2 classes above.

Available for the 35NX. Offers maximum slide stroke of 850 mm, and maximum digging depth of 4000 mm.



Unit: mm

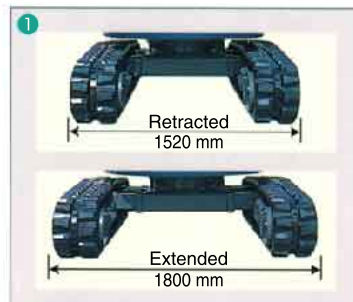
A	Max. digging radius	5220 – 6030
B	Max. digging depth	3150 – 4000
C	Max. digging height	4750 – 5220
D	Max. dumping height	3320 – 3800
E	Max. vertical digging depth	2340 – 3130
F	Min. front turning radius	2300
	At right boom swing	1870

*Standard bucket for Slide Arm model is 0.08 m³ capacity (500mm external width).

35NX

SPANNER

Machine weight	3.3 t
Bucket capacity	0.11 m ³
Crawler width	
Retracted	1520 mm
Extended	1800 mm
Tail swing radius	845 mm
Max. digging depth	3150 mm



↑ Toolbox

Power and quality lead the world.

● Improved stability ①

Side lifting capacity is boosted by the standard equipped Crawler Spanner (1520 - 1800 mm) and rear positioned boom foot.

● Safety because tail end does not protrude ② beyond the crawler

Since the tail end does not protrude beyond the crawler width, it is possible to dig and swing 180 degrees when positioned right next to a wall.

● Digging possible at close ③ proximity to dozer blade

By moving the bucket close to the dozer blade, it is possible to dig in locations extremely near to the dozer blade.

The safety and environmental friendliness that the world was waiting for.

● Enhanced durability

Ruggedness is improved via an enlarged boom foot pin and boom swing bracket pins, protective covers for dozer blade cylinder and boom light, and use of 2.3 mm thick steel sheets for the engine cover and skirts.

● Attachment hose stowage

Hoses for the arm and bucket are stowed. The boom cylinder hoses are positioned in the back, and segmented for easy replacement.

● Swing parking brake

Eliminates swing drift on inclined surfaces, and makes swing lock mechanism unnecessary during transport.

● Environment-friendly, low noise ④ and clean engine

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.

● Cabin/canopy (optional depending on sales region)

Cabin with plenty of space surpasses ISO-standard specifications, and is compliant with TOPS of the CE Standard. Since the cabin always remains within the crawler width during turning, the chances of unexpected contact with an external object are eliminated.

Smooth operation that grabs the world's attention.

● Comfortable operator's cab

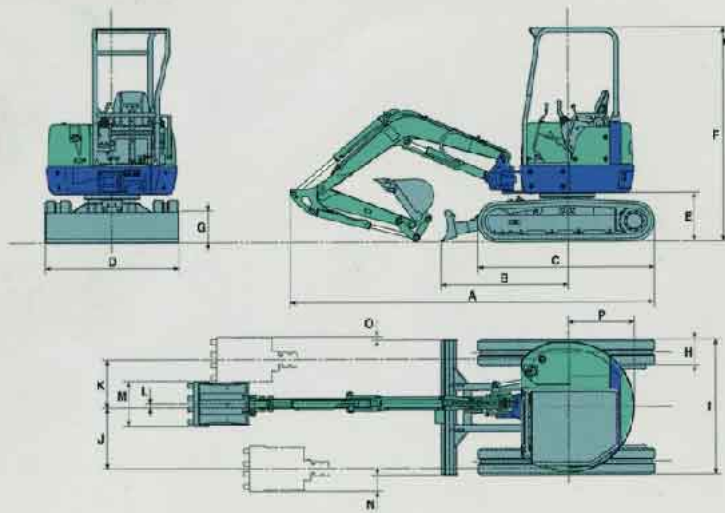
Joysticks are equipped to offer a high degree of operational responsiveness. The operator's seat features reduced vibration, and durability by the one-piece molded cushions.

Easy maintenance recognized by the world.

● Easy maintenance ⑤

By use of our exclusive arch frame, covers for the engine, radiator and battery can be fully opened, greatly simplifying inspection and repair. An automatic air bleeder, fuel tank drain cock, and water sedimentor, are all standard equipment. Tools and grease gun can be conveniently stowed in the toolbox.

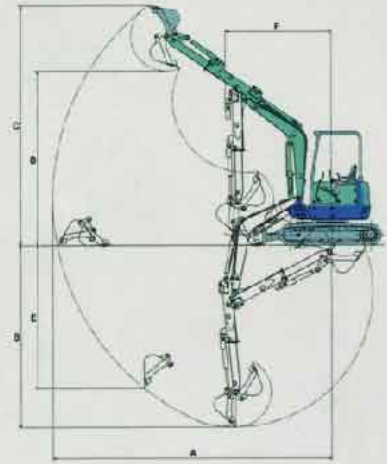
■Dimensions



Unit: mm

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
35NX	4570	1560	2210	1520	560	2470	365	300	Retracted 1520 Extended 1800	640	510	50	600	180	50	R845

■Working Range



Unit: mm

A	Maximum digging radius	5090
B	Maximum digging depth	3150
C	Maximum digging height	4560
D	Maximum dumping height	3120
E	Maximum vertical digging depth	2500
F	Minimum front turning radius At right boom swing	2180 1730

■Specifications

35NX		
●Performance		
STD.Bucket capacity(ISO)	0.11m ³	3.9ft ³
STD.bucket width	600mm	23.6"
Operating weight	3375kg	7440lbs
Machine weight	3300kg	7275lbs
Swing speed	8.8min ⁻¹	8.8rpm
Travel speed(Low)	2.8km/h	1.7mph
Travel speed(High)	4.8km/h	3.0mph
Gradeability	30°	
Ground pressure	28.8kPa	4.2psi
Max. bucket digging force	26500N	5960lbs
●Engine		
Model	YANMAR 3TNV84	
Rated output	18.5kW(25.2PS)/2300rpm	24.8HP/2300rpm
Fuel tank capacity	33km ³	8.7gal
●Boom swing system		
Type; Boom offset	Boom offset with hydraulic cylinder	
Swing angle(L/R)	50°/90°	
●Hydraulic system		
Pressure	20.6Mpa	2990psi
Pump hydraulic flow	40.3km ³ /min x 2+24.6km ³ /min	10.6gpm x 2+6.5gpm
●Dozer blade		
Size(Width x Height)	1520mm x 365mm	59.8" x 14.4"
Lift above ground	370mm	14.6"
Drop below ground	390mm	15.4"

Options

Loading bucket capacity/width (ISO)	0.12m ³ /660mm	4.2ft ³ /26.0"
Digging bucket capacity/width (ISO)	0.055m ³ /400mm	1.9ft ³ /15.7"
Long arm STD.bucket capacity/width(ISO)	0.08m ³ /500mm	2.8ft ³ /19.7"
Slide arm STD.bucket capacity/width(ISO)	0.08m ³ /500mm	2.8ft ³ /19.7"
Rein forced bucket capacity/width(ISO)	0.11m ³ /600mm	3.9ft ³ /23.6"
Steel shoe width	300mm	11.8"
Long arm length	STD+300mm	STD+11.8"
Auxiliary hydraulic flow	63.1L /min	16.7gpm

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