

IHI

Zero Tail Swing Mini Excavator **15NX**
SPANNER

Standard Bucket Capacity: ISO 0.044m³

NX





What the World has been Waiting For. The 1.5t zero tail swing spanner has arrived.

**Ideal for a wide variety of projects,
from general construction and road works, to piping and landscaping.
Experience the stable performance made possible by the wide spanner.
Powerful and speedy multitasking is afforded by IHI's unique 3-pump hydraulic system.
Operation is smooth as silk with a joystick lever equipped with armrest to minimize fatigue.**



Machine mass	1520kg
Bucket capacity	ISO 0.044m ³
Crawler width	contracted : 960mm expanded : 1280mm
Tail swing radius	650mm
Max. digging depth	2100mm



• Optional type

High Performance of a World Standard

• Enhanced stability

Spanner function (960—1280 mm) has been equipped as standard. The wide span amount contributes to improved stability while also allowing entry into tight spaces. And by attaching an optional counterweight (100 kg) you can enjoy further enhanced stability.

• Operability that's tops in its class

Two driving speeds have been adopted—High for 4.0 km/h, and Low for 2.1 km/h—to offer a balance of power and speed. Revolving speed is quick at 9.5min⁻¹. High-power digging is attained with a bucket digging power of 16.4 kN and arm digging power of 9.2 kN.

Easy Operation of a World Standard

• Enters tight spaces only 1m wide

The upper rotating block has a width of 980mm while the crawler is only 960mm wide when the spanner is contracted. So it can go into spaces as narrow as 1 meter.

• 3-pump hydraulic system

Equipped with a full-fledged 3-pump system that features IHI's original variable-capacity pump technology to provide powerful and speedy multitasking capability. Moreover, with the use of extra 2-pump convergent flow piping, it is able to offer both ease of use and high performance, including improved linear driving and arm return.

• Joystick lever with armrest

For comfortable and responsive operation, a joystick lever with armrest to minimize fatigue has been incorporated.

• Improved close-range digging performance

By moving the bucket close to the dozer blade, digging performance in locations extremely near the dozer blade has been improved.

Durability and Maintenance of a World Standard

• Enhanced durability

Pressed steel covers are used for superior protection and easy repair. The dozer blade is supported by heavy-duty square tubular metal arms. The bucket cylinder hose is completely stored, and boom cylinder hose is positioned in the rear, thereby protecting against wear and tear. And the bucket teeth are ESCO type to allow easy attachment and detachment.

• Easy maintenance

The pump's outlet features an oil pressure measurement port with coupler. Initial checking can thus be easily performed. The fully opening engine cover helps simplify maintenance. And the radiator and oil cooler are made of aluminum for superior corrosion resistance.

Safety and Eco-friendliness of a World Standard

• TOPS canopy

Equipped with a canopy that is compliant with TOPS of the CE standard. (Option)

• Safety lever

Equipped with a safety lever to help prevent misoperation by locking functions while driving or swinging the boom.

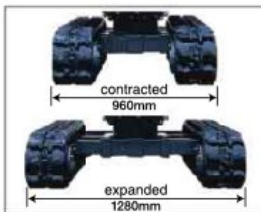
• Full-rotation auto parking brake

Brake automatically engages at any angle in 360°. Eliminates the swing drift that tends to occur on inclined surfaces, and makes it unnecessary to manually lock the rotation.

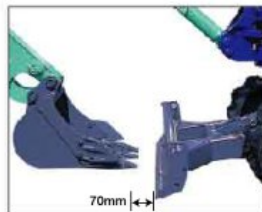
• Low gas emission ultra-low noise engine

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.

*certification pending



Spanner



Bucket and dozer blade in closer proximity



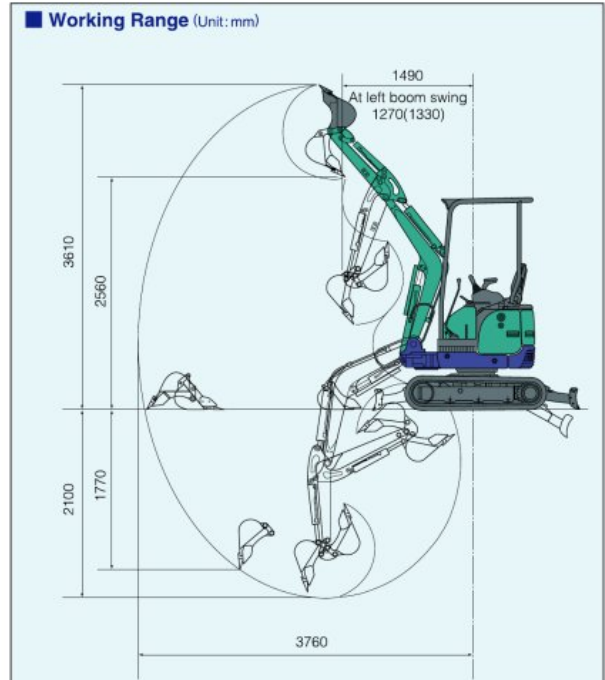
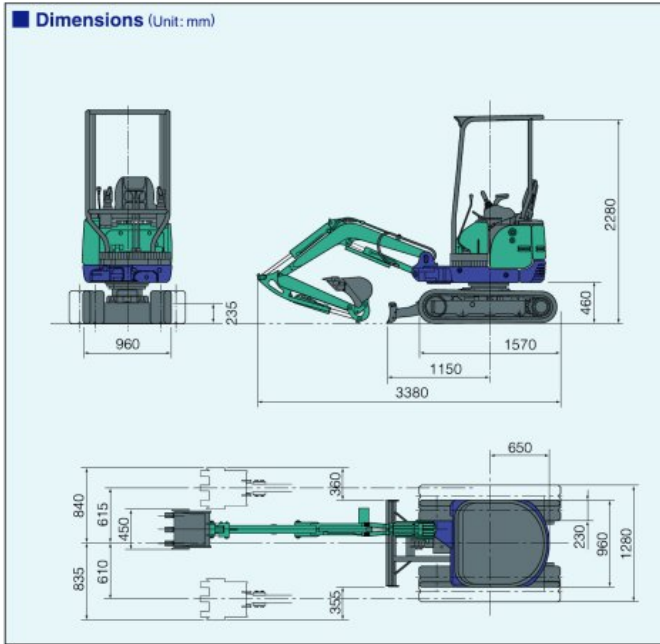
Joystick lever with armrest



Oil pressure measurement port with coupler



Full-opening engine cover



■ Specifications

	15NX	
● Performance		
STD.Bucket capacity(ISO)	0.044m ³	1.6ft ³
STD.Bucket width	450mm	17.7"
Operating weight	1520kg	3350lbs
Machine weight	1190kg	2620lbs
Swing speed	9.5min ⁻¹	9.5rpm
Travel speed(Low)	2.1km/h	1.3mph
Travel speed(High)	4.0km/h	2.5mph
Gradeability	30°	
Ground pressure	25.8kPa	3.7psi
Max.bucket digging force	16.4kN	3680lbs
● Engine		
Model	YANMAR 3TNV70	
Rated output	10.5kW(14.3PS)/2300rpm	14.1HP/2300rpm
Fuel tank capacity	20L	5.3gal
● Boom swing system		
Type	Boom offset with hydraulic cylinder	
Swing angle(L/R)	55°/80°	
● Hydraulic system		
Pressure	20.6MPa	2988psi
Pump hydraulic flow	18L/minx2+12L/min	4.8gpmx2+3.2gpm
● Dozer blade		
Size(Width Height)	960mm-1280mmx235mm	38.6"-50.4"x9.3"
Lift above ground	275mm	10.8"
Drop below ground	310mm	12.2"

■ Options

Loading bucket capacity/width (ISO)	0.024m ³ /300mm	0.8ft ³ /11.8"
Digging bucket capacity/width (ISO)	0.055m ³ /500mm	1.9ft ³ /19.7"
Long arm STD. bucket capacity/width (ISO)	0.033m ³ /350mm	1.2ft ³ /13.8"
Steel shoe width(incl.rubber pad attachment holes)	230mm	9.1"
Attachable counterweight	100kg	220lbs
Detachable dozer blade	○	
Long arm length	STD+250mm	STD+9.8"
TOPS canopy	○	
Power port/Auxiliary hydraulic flow(Theoretical)	7.7gpm	
Rubber pads	○	
Tooth plate	○	
Demolition fork	○	
Hydraulic breaker	○	
Mini crusher	○	

Unit: mm

A Maximum digging radius	3760(3990)
B Maximum digging depth	2100(2350)
C Maximum digging height	3610(3810)
D Maximum dumping height	2560(2760)
E Maximum vertical digging depth	1770(2010)
F Minimum front turning radius	1490(1580)
At left boom swing	1270(1330)

※ () : figures for long arm version

Note: Auxiliary hydraulic pipings are required when using the demolition fork, hydraulic breaker or mini crusher. Moreover, it may be necessary to reinforce the arm, etc.



Tooth plate



Demolition fork



Hydraulic breaker



Rubber pads



Mini crusher

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