

IHI

65NX

NX



# Get the Advantage.

The 6t Zero Tail Swing Mini Excavator Solution You Were Looking For.



## Superior Operability

- Minimum front swing radius is a compact 2560mm, achieving remarkable maneuverability for tight worksites.
- Spaciously designed cabin allows operation in a relaxing atmosphere, with large door for easy boarding, stay-damper assisted front window for easier raising/lowering, and fully-opening right side window with stopper. Flexible radio antenna offers superior damage resistance.
- Wrist control type short joystick levers are equipped as standard. Combined with the armrest, it's possible to operate the machine simply by moving your wrist.
- A safety lever which locks all operations including driving and boom swing (excluding blade lowering) is equipped to prevent misoperation.
- By reducing the space between the bucket and dozer blade, it was made easier to dig dirt and sand.
- Additional counterweight (300kg) can be optionally mounted to further increase stability. (Installation increases tail swing radius by 120mm)



Spaciously designed cabin

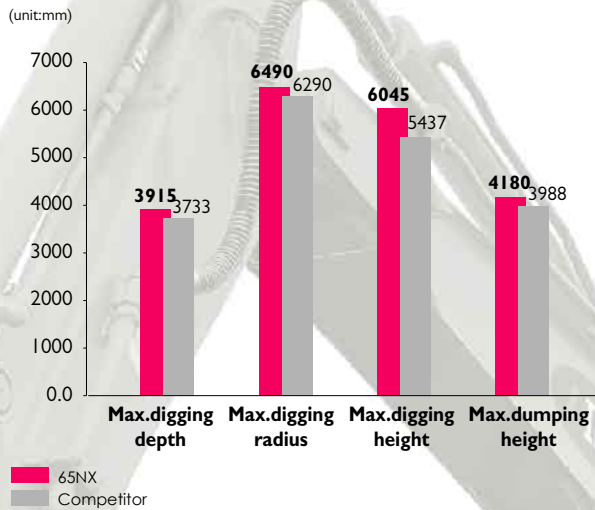


Additional counterweight

65NX

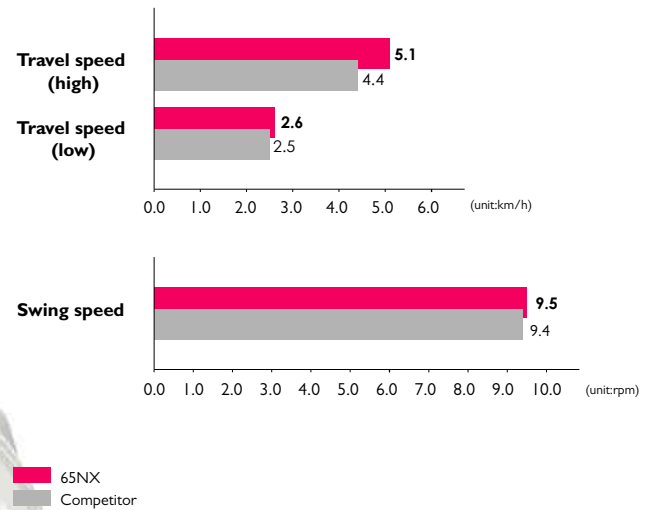


## Superior Usability



### Working range that goes far beyond

Features top class maximum digging depth, maximum digging radius, maximum digging height, and maximum dumping height. It offers superior usability in a wide range of situations.



### Mobility that goes far beyond

Two speeds are available —5.1km/h in high gear and 2.6km/h in low gear. Swing speed is also a quick 9.5rpm.

## Superior Durability

- The boom's built-in lamp has been positioned on the cylinder rod section. Even in severe environments the operator can work without worrying about damaging the lamp.
- A rust-free resin-based large-capacity fuel tank has been incorporated.The radiator and hydraulic cooler are made of corrosion-resistant aluminum.
- Equipped with highly durable bucket.The bucket's lip plate thickness is 20% thicker than conventional types, and the number of bucket bottom reinforcement plates has been increased.



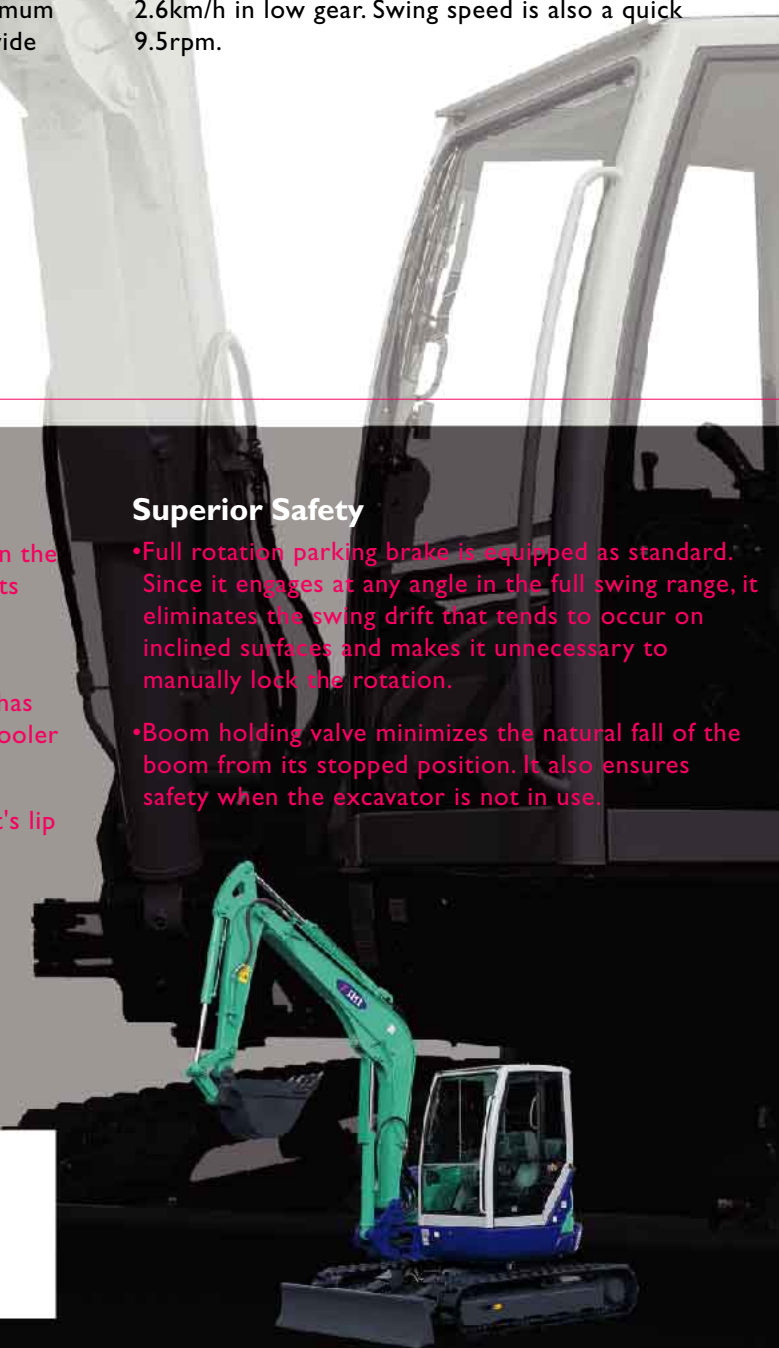
Boom's built-in lamp



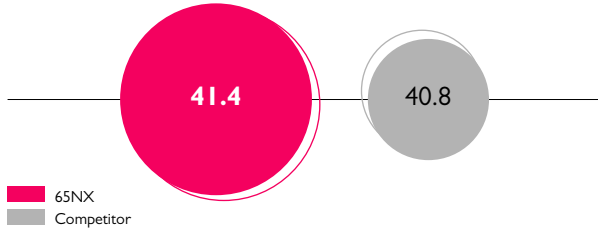
Highly durable bucket

## Superior Safety

- Full rotation parking brake is equipped as standard. Since it engages at any angle in the full swing range, it eliminates the swing drift that tends to occur on inclined surfaces and makes it unnecessary to manually lock the rotation.
- Boom holding valve minimizes the natural fall of the boom from its stopped position. It also ensures safety when the excavator is not in use.



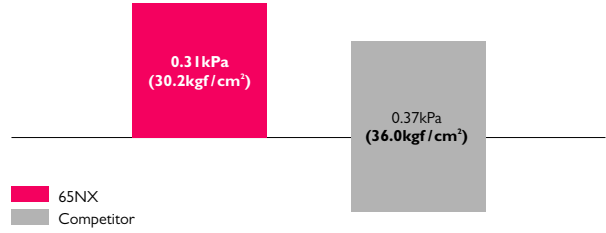
**Bucket digging force**  
(unit:kN)



**Digging force that goes far beyond**

The bucket's digging force is a high-power 41.4kN. In conjunction with its wide working range, it offers a major improvement in job efficiency.

**Average ground pressure**



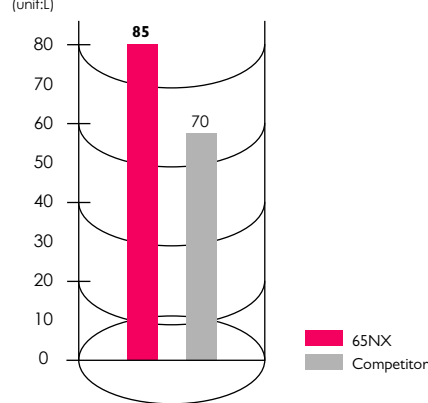
**Loose grade stability that goes far beyond**

Ground pressure is an amazingly low 30.2kgf/cm², making it highly usable in loose foundation environments such as on sandy or moist ground.

**Refueling efficiency that goes far beyond**

The fuel tank capacity is an immense 85L. This greatly extends the duration between fueling and reduces refueling requirements at work sites.

**Fuel tank capacity**



**Superior Ease of Maintenance**

- The angled crawler frame design inhibits dirt from caking onto the surface and promotes better water drainage when washed, making crawler maintenance a breeze.
- By incorporating an oil pressure measurement port with quick coupler, initial inspection can be done with greater ease.
- With a fully opening type engine cover, and a radiator front cover that opens and closes with one-touch simplicity, inspection and maintenance are easier than ever.
- Control valve is positioned on right side of the body for easy access and inspection.



Angled crawler frame



Oil pressure measurement port with quick coupler

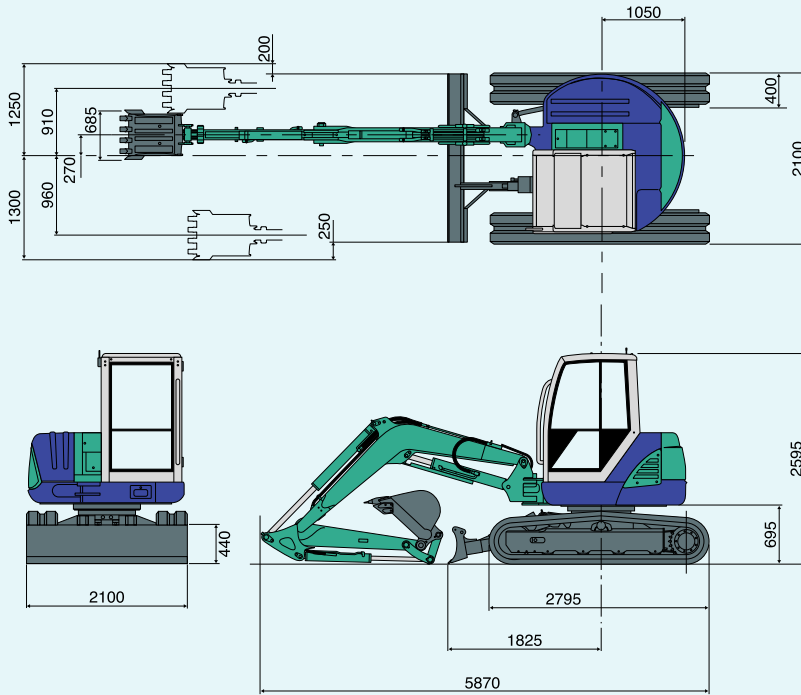


Fully opening type engine cover

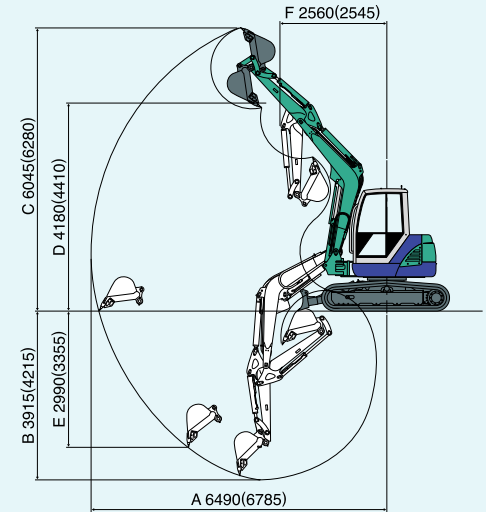


Control valves

## 65NX Dimensions (Unit:mm)



## 65NX Working Range (Unit:mm)



<b>A</b>	Max. digging radius	6490mm/21.3ft
<b>B</b>	Max. digging depth	3915mm/12.8ft
<b>C</b>	Max. digging height	6045mm/19.8ft
<b>D</b>	Max. dumping height	4180mm/13.7ft
<b>E</b>	Max. vertical digging depth	2990mm/9.8ft
<b>F</b>	Min. front turning radius	2560mm/8.4ft
	At right boom swing	2130mm/7.0ft

※():Figures for long arm

## 65NX Specifications

<b>●Performance</b>		
Std. bucket capacity (New JIS)	0.20m <sup>3</sup>	7.1ft <sup>3</sup>
Std. bucket width	685mm	27.0ft
Operating weight	5930kg	13073lbs
Machine weight	4520kg	9965lbs
Swing speed	9.5min <sup>-1</sup>	9.5rpm
Travel speed (low)	2.6km / h	1.7mph
Travel speed (high)	5.1km / h	3.3mph
Gradeability	58%(30°)	
Ground pressure	30.2kPa(0.31kgf/cm <sup>2</sup> )	4.4psi
Max. bucket digging force	41.4kN(4220kgf)	9307lbs
<b>●Engine</b>		
Model	Yanmar 4TNV94L	
Rated output	41kW/2400min <sup>-1</sup> (55.7PS/2400rpm)	55.0HP/2400rpm
Fuel tank capacity	85L	22.5gal
<b>●Boom swing system</b>		
Type	Boom offset with hydraulic cylinder	
Offset angle (R/L)	90°/50°	
<b>●Hydraulic system</b>		
Pressure	24.5Mpa(250kgf/cm <sup>2</sup> )	3553psi
Pump hydraulic flow	150L / min	39.6gpm
<b>●Dozer blade</b>		
Size (Width x Height)	2200mmX440mm	86.6"X17.3"
Lift above ground/ Drop below ground	375mm / 430mm	14.8" / 16.9"

## Options

- 400mm/15.7" wide MT bucket
- 400mm/15.7" wide steel shoe (with rubber pad holes)
- 550mm/21.7" wide steel shoe
- Long arm (standard + 300mm/11.8")
- Loading bucket, Digging bucket, Long arm bucket
- Power port / Aux.hydraulic flow / Pedal
- Additional counterweight (300kg/661.4lbs)
- Vertical exhaust tailpipe
- TOPS canopy (4-pillar), Steel cabin
- Car heater

## Assurance that IHI excavators are environment-conscious.

In developing its products, IHI proactively took eco-friendly measures such as using low-pollution materials that can be easily re-used, and reducing the amount of consumables.



- Sintering metal bush extends the time between grease applications and helps greatly reduce grease usage.
- 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. Also meets new standards for low noise as set by the Japanese Ministry of Land, Infrastructure and Transport.
- Equipped with 6t class rubber shoe as standard, contributing to low noise.
- Mini excavators that have been judged as being environmentally friendly products are affixed with IHI's own Environmental Compliance sticker.

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