



Durability

■ Highly durable blades made even stronger

The box-shaped blade's upper structure and lip extension enhance farther durability.

* See Page 27 for details.

NEW



■ New castle-nut design reduces horizontal tolerance



NEW



The arm-end and boom-arm joint are fixed with castle nuts. The reduction of horizontal tolerance is achieved.

* See Page 27 for details.

■ Embedded boom center working lights

NEW



■ Bucket cylinder hose built inside the arm

NEW

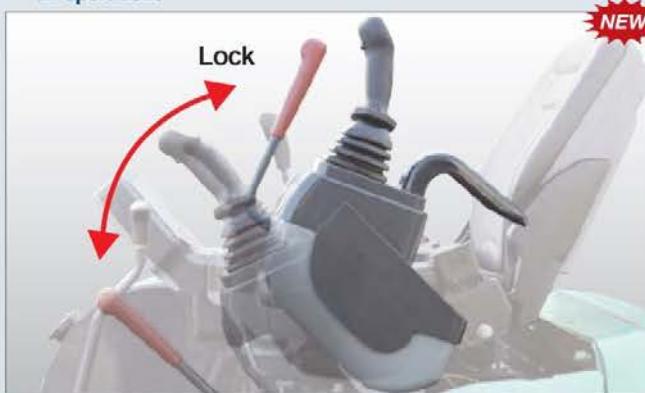


■ Durable, anti-corrosive aluminum radiator

Safety

■ Gate lock system as standard equipment is designed to block up all operations

NEW



The master gate lock system enables you to block up all functions such as boom, arm, bucket, swing, boom swing, travel and blade.

■ Steel cabin comes as standard equipment

NEW



■ Neutral engine start system.

The engine can start when the gate-lock is pulled up to avoid mis-operations.

■ Swing motor with auto parking brake

Featuring swing motor with an auto parking brake, the machine can be swiped and locked at any position within a 360° circumference.

The midi-class machines in the utmost comprehensive technology.



Assurance that IHI excavators are environment-conscious.

Operability

■ Newly designed operator's space



NEW

The new cockpit ensures safe and comfortable operations.

* See Page 26 for details.

■ Additional auxiliary hydraulic lines (optional)



NEW

In addition to the conventional auxiliary hydraulic line, two more lines are now available for versatile hydraulic attachments, enabling you to handle a wider range of hydraulic attachments.

* See Page 27 for details.

■ Engine throttle turn-dial



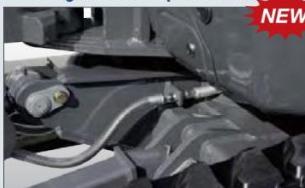
NEW

■ Close distance between bucket and blade

■ Large-size blade makes ground leveling work easier

Easy Maintenance

■ Segmented blade cylinder hose design makes replacement easier



NEW

■ Segmented boom cylinder hose design makes replacement easier



■ Wide, fully opening engine-cover enables ease of maintenance



65VX



80VX

- Filters are conveniently located, making it easy to replace them
- Sintered bushes create longer interval for greasing

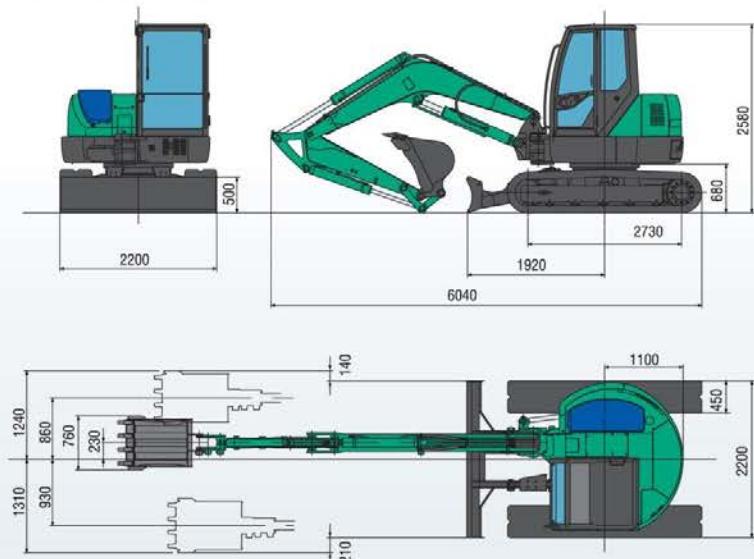
80VX3

Midi Excavator

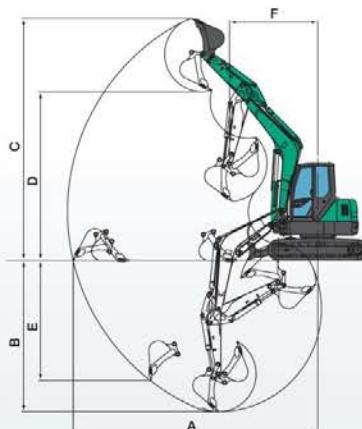
Standard Bucket Capacity : ISO 0.25m³



Dimensions (Unit:mm)



Working Range (Unit:mm)



	Cabin	4-Post
A Max. digging radius	6820 (7110)	6820 (7110)
B Max. digging depth	4200 (4500)	4200 (4500)
C Max. digging height	6600 (6820)	6780 (7010)
D Max. dumping height	4600 (4820)	4760 (4990)
E Max. vertical digging depth	3300 (3580)	3300 (3580)
F Min. front turning radius	2640 (2720)	2560 (2660)
At right boom swing	2210 (2280)	2120 (2210)

* (): Figures for long arm

80VX3 Specifications

Performance		Boom swing system	
Bucket capacity	0.25m ³	Type	Boom offset with hydraulic cylinder
Bucket width	760mm	Swing angle (L/R)	90°/50°
Operating weight: Cabin (4-Post)	7725kg (7575kg)	Hydraulic system	
Transportation weight: Cabin(4-Post)	7650kg (7500kg)	Pressure	24.5MPa (250kgf/cm ²) × 2, 21.6MPa (220kgf/cm ²)
Swing speed	9.2min ⁻¹	Pump hydraulic flow	71.4L/min × 2 + 53.1L/min
Travel speed (low/high)	2.6/4.3km/h	Dozer blade	
Gradeability	58% (30°)	Size	2200mm × 500mm
Ground pressure	36kPa (0.37kgf/cm ²)	Lift above ground / Drop below ground	435mm/420mm
Max bucket digging force	55kN (5610kgf)		
Engine		Max auxiliary flow	
Model	YANMAR 4TNV98	1st line	71L/min
Rated output	43.2kW/2100min ⁻¹ (58.7PS/2100rpm)	2nd line	53L/min
Fuel tank capacity	85L		

Options

Bucket			
• 0.11m ³ /Digging bucket (450mm width)	• 1st auxiliary piping	• Long arm (standard +300mm)	
• 0.16m ³ /Digging bucket (550mm width)	• 2nd auxiliary piping	• Rubber pad for steel shoe	
• 0.21m ³ /Long arm bucket (650mm width)	• 3rd auxiliary piping	• Air conditioner	
• 0.28m ³ /Loading bucket (760mm width)	• Additional counterweight (400kg)	• Automatic decelerator	
	• 4-Post canopy		
	• Steel shoe (450mm)		

