

IHI

Mini Excavator

28N 35N

Standard Bucket Capacity: ISO 0.08m³

Standard Bucket Capacity: ISO 0.11m³



POWERFUL ABILITY
SKILLFUL AGILITY





Fully opening engine cover



Steel Cabin (optional depending on sales region)



TOPS Canopy

Powerful Engine. Stable Maneuverability.

Designed to be the Best Match for Dump Trucks.

28N

Operating weight	2500kg
Bucket capacity	0.08m ³
Crawler width	1550mm
Tail swing radius	1280mm
Max. digging depth	2520mm



Top-Level Functionality

Equipped with a high-power engine which is environmentally friendly because it keeps revving at low levels. Using a 3-pump system developed by IHI, work speed and multitasking operations are improved. The 2-speed transmission provides both high power and mobility for travel. With an independent hydraulic system for driving, it is possible to operate the attachments while on the move, without any reduction in travel speed.

Operator-Oriented Comfortability

A joystick lever that affords smooth operation is equipped as standard. The standard single-piece molded reclining seat offers superior durability as well as minimal fatigue for the operator thanks to its ergonomic shape and firmness. The boom swing pedal is horizontally positioned for ease of operation, and the instrument panel features a simple and easy-to-view layout. Ease of boarding and exiting is assured by the cabin's walk-through design.

Rugged-Application Ready Durability

The boom foot, boom swing bracket, and drive sprocket of the rubber crawler have all been enlarged. Attachment hose is stored to protect against damage. The attachment angle of the dozer blade cylinder has been changed, while a protective cover has been added and hydraulic hoses have been segmented. There is also a protective cover for the boom light, as well as a steel sheet metal cover for the engine.



Boom swing bracket



Battery cover & Tool box



Lower frame roller



Operating weight	3150kg
Bucket capacity	0.11m ³
Crawler width	1550mm
Tail swing radius	1400mm
Max. digging depth	3150mm

Pursuing Safety and Eco-Friendliness

A gate lock lever and automatic swing parking brake are standard equipment. A folding type canopy and TOPS cabin are available optionally. 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.

Easy Usability Ideal for On-Site Operation

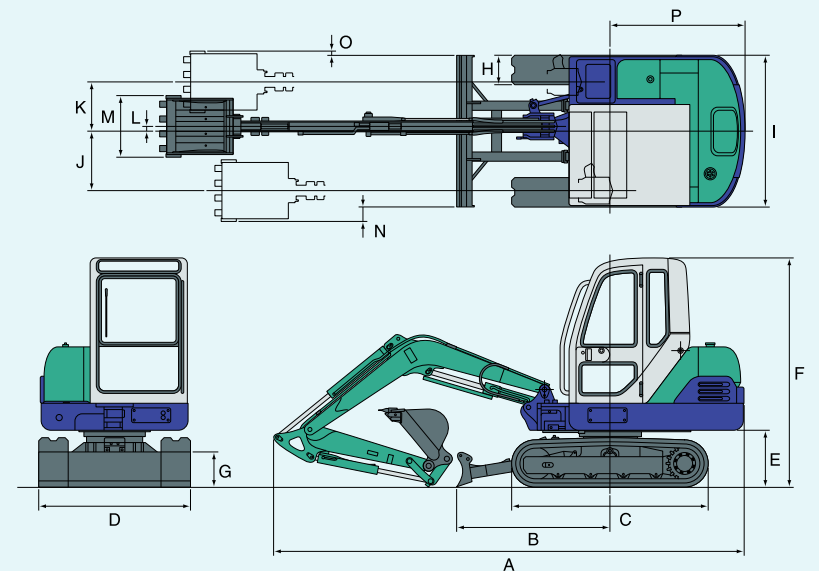
Minimum front turning radius is the smallest in its class. Built to enable easy turning even in extremely limited spaces. The arm's vertical dump height has been raised, facilitating loading onto dump trucks. Since the bucket can come within close proximity of the dozer blade, it is easier to scoop loose dirt and gravel. Auxiliary valve is equipped as standard, making use of a hydraulic circuit breaker or demolition fork more efficient.

Easy Maintenance

A fully-opening engine cover has been equipped, allowing access to filters for inspection and replacement, as well as regular maintenance of the engine, from one opening. The battery cover opens with a one-touch operation, so maintenance is extremely easy as well. The automatic air bleeder means that after you fuel up, you can power up immediately just by pressing the ON button. A water sedimentor is also equipped as standard.

■ Dimensions

Figure is in proportion to 35N

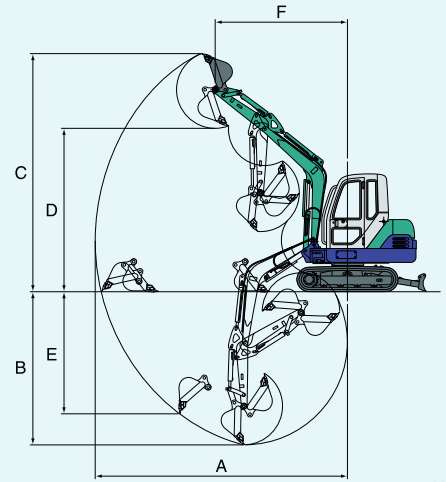


Unit:mm

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
28N	4170	1470	1895	1550	560	2320	365	300	1550	560	460	50	500	50	- 60	1280
35N	4850	1580	2060	1550	580	2360	355	300	1550	625	500	50	600	150	150	1400

■ Working Range

Figure is in proportion to 35N



Unit:mm

	28N	35N
A Maximum digging radius	4310	5080
B Maximum digging depth	2520	3150
C Maximum digging height	4560(4050)	5190(4760)
D Maximum dumping height	3200(2840)	3680(3290)
E Maximum vertical digging depth	1950	2450
F Minimum front turning radius	1500(1800)	1690(1930)
At right boom swing	1175(1260)	1340(1520)

():figures for cab version

■ Specifications

	28N		35N	
● Performance				
STD.bucket capacity(ISO)	0.08m³	2.8ft³	0.11m³	3.9ft³
STD.bucket width	500mm	19.7"	600mm	23.6"
Operating weight	2500kg	5511lbs	3150kg	6945lbs
Machine weight	1920kg	4233lbs	2210kg	4872lbs
Swing speed	10min ⁻¹	10rpm	8.8min ⁻¹	8.8rpm
Travel speed(low/high)	2.3/4.5km/h	1.5/2.8mph	2.8/4.8km/h	1.7/3.0mph
Gradeability	30°		30°	
Ground pressure	26.5kPa	3.8psi	28.6kPa	4.1psi
Max. bucket digging force	19.6kN	4406lbs	26.5kN	5957lbs
● Engine				
Model	YANMAR 3TNV76		YANMAR 3TNV84	
Rated output	13.8kW(18.8PS)/2300rpm	18.5HP/2300rpm	18.3kW(24.9PS)/2300rpm	24.5HP/2300rpm
Fuel tank capacity	37L	9.8gal	40L	10.6gal
● Boom swing system				
Type	Boom offset with hydraulic cylinder		Boom offset with hydraulic cylinder	
Swing angle(L/R)	50°/90°		50°/90°	
● Hydraulic system				
Pressure	20.6MPa	2988psi	20.6MPa	2988psi
Pump hydraulic flow	29.9L/minx2+19.8L/min	7.9rpmx2+5.2rpm	40.3L/minx2+24.6L/min	10.6gpmx2+6.5gpm
● Dozer blade				
Size(Width x Height)	1550mmx365mm	61.0"x14.4"	1550mmx355mm	61.0"x14.0"
Lift above ground	370mm	14.6"	390mm	15.4"
Drop below ground	390mm	15.4"	450mm	17.7"

■ Options

Loading bucket capacity/width(ISO)	0.10m ³ /600mm 0.09m ³ /550mm	3.5ft ³ /23.6" 3.2ft ³ /21.7"	—	—
Digging bucket capacity/width(ISO)	*0.04m ³ /250mm *0.05m ³ /320mm 0.07m ³ /450mm	*1.4ft ³ /9.8" *1.8ft ³ /12.6" 2.5ft ³ /17.7"	0.55m ³ /400mm 0.12m ³ /660mm	1.9ft ³ /15.7" 4.2ft ³ /26.0"
Long arm STD.bucket capacity/width(ISO)	0.06m ³ /400mm	2.1ft ³ /15.7"	0.08m ³ /500mm	2.8ft ³ /19.7"
Reinforced bucket capacity/width(ISO)	0.08m ³ /500mm	2.8ft ³ /19.7"	0.11m ³ /600mm	3.9ft ³ /23.6"
Slope Finishing bucket	—	—	1000mmx500mm	39.4"x19.7"
Steel shoe width(incl.rubber pad attachment holes)	300mm	11.8"	300mm	11.8"
Long arm length	STD+300mm	STD+11.8"	STD+300mm	STD+11.8"
Rubber padded crawler	O		O	
TOPS Canopy	(O)Standard		(O)Standard	
Steel cab	O		O	
Canopy	O		O	
Air conditioner	O		O	
Power port/Auxiliary hydraulic flow(Theoretical)	48L/min	12.7gpm	63.1L/min	16.7gpm

*without side cutter



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