

COMPACT EXCAVATOR NR90UF 8.75 t · 53.3 kW · 0.28 m³

Short-tail excavator with swing boom for confined job sites – powerful Yanmar engine meeting EU Stage V, 3,400 mm monoblock boom, 2,100 mm arm and comfort cab with automatic climate control.



EU STAGE V

Short tail · Swing boom

8,750 kg

Operating weight

53.3 kW

Engine output at
2,100 rpm

0.28 m³

Standard bucket

4,490 mm

Max. digging depth

7,465 mm

Max. reach

1,430 mm

Tail swing radius

PRODUCT FEATURES

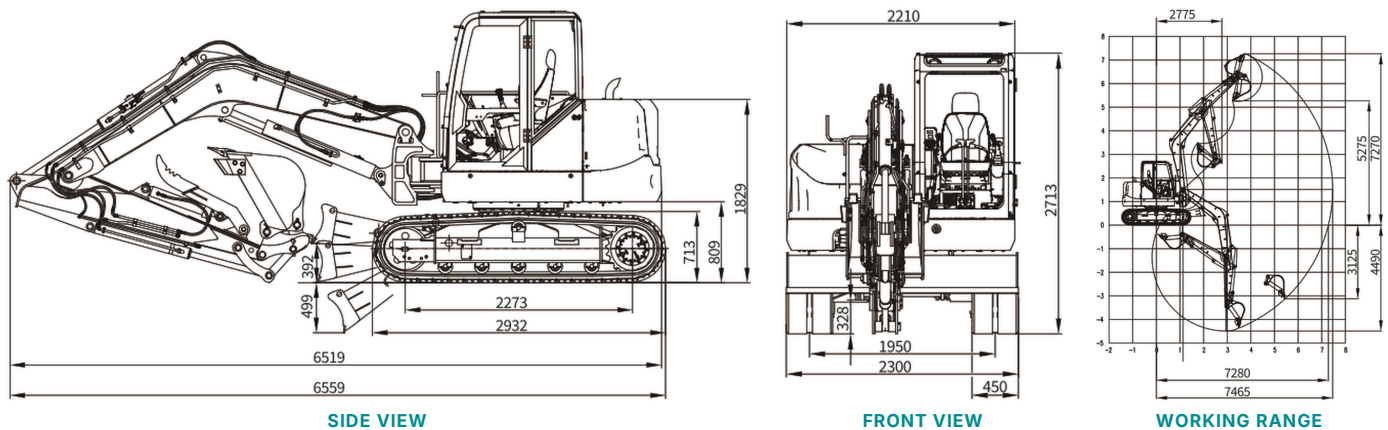
- Yanmar 4TNV98CT diesel engine – EU Stage V / EPA Tier 4 Final
- Short-tail design with only 1,430 mm tail swing radius
- Swing boom: 61° left / 51° right
- Hengli hydraulics – 187 L/min flow rate, 280 bar
- Automatic travel speed shift (2.7 / 4.7 km/h)
- High breakout force: 60.1 kN bucket / 46 kN arm
- 70 % (35°) gradeability, 60 kN drawbar pull

COMFORT & EQUIPMENT

- ☐ Automatic central lubrication system
- ☐ Air-suspended operator seat
- ☐ Refuelling pump with automatic shut-off
- ☐ Automatic climate control (heating & cooling)
- ☐ 5.7-inch display
- ☐ Dozer blade as standard
- ☐ 450 mm rubber tracks
- ☐ 12 V electrical system, 120 Ah battery
- ☐ Combined warning beacon with buzzer
- ☐ Additional counterweight 790 kg (optional)

Illustration may show optional equipment. Subject to technical changes and errors. Preliminary data sheet, as of 10/2026.

DIMENSIONS



All dimensions in mm, with standard equipment (boom 3,400 mm, arm 2,100 mm).

TECHNICAL DATA

GENERAL		WORKING RANGE	
Operating weight	8,750 kg	Max. digging depth	4,490 mm
Additional counterweight	790 kg	Max. reach	7,465 mm
Monoblock boom / arm	3,400 / 2,100 mm	Max. reach at ground level	7,280 mm
Standard bucket	0.28 m ³	Max. digging height	7,270 mm
ENGINE		Max. dump height	5,275 mm
Manufacturer / model	Yanmar 4TNV98CT	Max. vertical digging depth	3,125 mm
Emission standard	EU Stage V / Tier 4 Final	Breakout force bucket / arm	60.1 / 46 kN
Rated output	53.3 kW / 2,100 rpm	Boom swing left / right	61° / 51°
Cylinders / displacement	4 / 3.319 L	Tail swing radius	1,430 mm
Fuel tank	110 L	Gradeability	70 % (35°)
HYDRAULICS & DRIVE		DIMENSIONS & UNDERCARRIAGE	
Main pump	Hengli HP6V105	Transport dimensions L × W × H	6,559 × 2,300 × 2,713 mm
Main control valve	LV18S10A01	Upper structure width	2,210 mm
Swing motor with gearbox	Hengli HM5X45	Undercarriage length / tumbler distance	2,932 / 2,273 mm
Travel motor	JXD049	Track gauge	1,950 mm
Max. flow rate	187 L/min	Track width (rubber)	450 mm
Max. operating pressure	28 MPa (280 bar)	Track / carrier rollers per side	5 / 1
Hydraulic tank	90 L	Dozer blade lift height / digging depth	392 / 499 mm
Travel speed	2.7 / 4.7 km/h	ELECTRICS, COMFORT & EQUIPMENT	
Max. swing speed	9.5 rpm	Voltage / battery	12 V / 120 Ah
Max. drawbar pull	60 kN	Display	5.7 in
		Air conditioning	Automatic
		Central lubrication	Automatic
		Operator seat	Air-suspended
		Refuelling pump	with automatic shut-off

All information without guarantee. Subject to technical changes and errors. Preliminary data sheet, as of 10/2026.