

COMPACT EXCAVATOR

# HX10A



# SPECIFICATIONS

ENGINE	
Maker / Model	Yanmar 3TNV70 / STAGE V
Type	Water-cooled four stroke diesel engine 3-cylinder indirect injection
Rated flywheel horse power	9,9 kW (13,3 HP) @ 2,100 rpm
Max. Torque	5,3 kgf.m (38 lbf.ft) @ 1,500 rpm
Bore x stroke	70 x 74 mm (2.8" x 2.9")
Piston displacement	854 cc (52.3 cu in)
Battery	12 V 30 Ah
Starting motor	12 V - 1,1 kW
Alternator	12 V - 20 A

HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Twin gear pump 2 x 4 cm <sup>3</sup> (2 x 0.24 in <sup>3</sup> )
Max. Flow	2 x 10.7 l/min @ 2675 rpm (2 x 2.8 gpm @ 2675 rpm)
Sub-pump for pilot circuit	n/a

HYDRAULIC MOTORS	
Travel	Slow-running drive motor without gears and with internal leak oil drain
Swing	Slow-running swing motor without gears with automatic break

RELIEF VALVE SETTING	
Travel	170 ±3 bar (2466 psi)
Swing circuit	70 bar (1015 psi)

OPERATOR'S CABIN	
Sound power level (LWA) <sup>1</sup>	93 dB (A)
Operator-perceived sound pressure level (LPA) 2	77 dB (A)

COOLANT & LUBRICANT CAPACITY			
	liter	US gal	UK gal
Fuel tank	7	1.85	1.54
Engine coolant	2,9	0.77	0.64
Engine oil	2,5	0.66	0.55
Hydraulic tank	13,8	3.65	3.03

HYDRAULIC CONTROLS	
Pilot control	Two joysticks - mechanically operated
Engine throttle	Two travel levers - mechanically operated

SWING SYSTEM	
Swing speed	8 rpm
Tail swing radius	747 mm (29 in)

DRIVES & BRAKES	
Max. travel speed (high) / (low)	1.82 km/h (1.1 mph)
Maximum gradeability	30°/58 %

DIGGING FORCE (ISO)	
Bucket breakout force	8.9 kN (2001 lbf)
Arm crowd force	4.5 kN (1012 lbf)

OPERATING WEIGHT (WITH ROLLBAR)	
Operating weight*	1087 kg (2396 lbs)
Transport weight**	990 kg (2182 lbs)
Track Width	180 mm (7 in)
Ground pressure	0.24 kg/cm <sup>2</sup> (3.4 lbs/in <sup>2</sup> )

\* Service weight: basic machine + full fuel tank + backhoe bucket (250 mm/10 in) + user (75 kg/165 lbs).

\*\* Transport weight: basic machine + 10% fuel capacity.

UNDERCARRIAGE	
Travel gear width (retracted/extended)	700/860 mm (2'-4"/2'-10")
Blade width (folded in/out)	700/860 mm (27.55"/33.85")
No. of track roller on each side	2

HYDRAULIC SYSTEM	
Operating pressure at connection	Max. 170 bar (2466 psi)
Flow rate	Max. 20 l/min (5.3 gal/min)

DIMENSIONS		
Height	Dimensions model with rollbar	2,261 mm (89 in)
	Dimensions model without rollbar	1,436 mm (57 in)
Upper carriage width	730 mm (29 in)	
Width with retracted / extended telescopic travel gear	700 / 860 mm (28 / 34 in)	
Width with stabilizer blade folded in / out	700 / 860 mm (28 / 34 in)	
Transport length	2,747 (9')	
Max. digging depth	1,766 mm (70 in)	
Stick length	890 mm (35 in)	
Max. vertical digging depth	1,320 mm (52 in)	
Max. digging height	2,853 mm (9'-4')	
Max. tilt-out height	2,008 mm (79 in)	
Max. digging radius	3,092 mm (10'-2')	
Max. reach at ground level	3,046 mm (10')	

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