

COMPACT EXCAVATOR

HX85A



Productivity

- 2-piece boom
- Load sensing hydraulic system
- Swing boom function
- 4-way angle dozer blade
- Various piping options

Comfort

- Spacious cabin
- Ergonomic soft grip joystick
- Centralized cluster
- Mechanical suspension seat
- Armrests
- Smart key & start button
- Radio & MP3-players

Serviceability

- Excellent accessibility
- Electric fuel filler pump
- Centralised greasing (option)
- Hi-mate telematic system
- Extended service intervals

Durability/ Safety

- Rearview camera
- LED-lights
- Durable shims & bushings
- Reinforced undercarriage
- Extended lifetime components



READY TO

CHANGE THE

WORLD



SPECIFICATIONS

ENGINE		
Maker / Model	Yanmar 4TNV98C / STAGE V	
Type	Water cooled, 4 cycle Diesel, 4-Cylinders in line, direct injection and low emission	
Rated flywheel horse power	Gross power (SAE J1995)	44.9 kW (66.9 Hp) @ 2,400 rpm
	Net Power (SAE J1349)	48.2 kW (64.6 Hp) @ 2,400 rpm
Max. Torque	24.6 kgf·m (178 lbf·ft) at 1,560 rpm	
Bore × stroke	98 x 110 mm (3.86" x 4.33")	
Piston displacement	3,319 cc (202 cu in)	
Batteries	2 x 12 V x 100 Ah	
Starting motor	12 V - 3.0 kW	
Alternator	12 V - 60 A	

HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Variable displacement piston pumps
Max. Flow	144 l/min
Sub-pump for pilot circuit	Gear pump

HYDRAULIC MOTORS	
Travel	Two speed axial piston motor with counter balance valve and parking brake
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTING	
Implement circuits	280 bar
Travel	280 bar
Swing circuit	245 bar
Pilot circuit	35 bar
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore × stroke	Boom : 1-120×865 mm (4.7"×34")
	Arm : 1-100×870 mm (3.9"×34.3")
	Bucket : 1-90×685 mm (3.5"×27.0")
	Boom swing : 1-110×707 mm (4.3"×27.8")

OPERATOR'S CABIN	
Noise Levels (dynamic value)	LwA: 99 dB
	LpA: 76 dB

COOLANT & LUBRICANT CAPACITY			
	liter	US gal	UK gal
Fuel tank	115	30.4	25.3
Engine coolant	11	2.9	2.4
Engine oil	11.6	3.1	2.6
Hydraulic tank	60	15.8	13.2

TRAVEL LEVERS	
Two levers with pedals	

HYDRAULIC CONTROLS	
Pilot control	Two joysticks with one safety lever (LH) : Arm swing, Boom swing (RH) : Boom and bucket (ISO)
Engine throttle	Electric, dial type

SWING SYSTEM	
Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9 rpm

DRIVES & BRAKES	
Max. travel speed (high) / (low)	5.1 km/hr (3.17 mph) / 3.1 km/hr (1.93 mph)
Maximum traction force	65 kN
Maximum gradeability	35° (70%)
Parking brake	Multi wet disc

DIGGING FORCE (ISO) (2PC-BOOM)	
Bucket	60.8 kN
Arm [Long Arm]	41.3 kN

OPERATING WEIGHT (APPROXIMATE)	
Operating Weight	204 kg (20,290 lb) with 2-piece boom
Shoe Width (Rubber)	450 mm
Ground Pressure (Rubber tracks)	0.41 kgf/cm (5.87 psi)

UNDERCARRIAGE	
Center frame	X-leg type
Track frame	Pentagonal box type
No. of carrier roller on each side	1
No. of track roller on each side	5

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