E680Hi

Hydraulic Excavator

Makes great business sense.



Gross Power: 58 hp

Operating Weight: 7700 kg

Bucket: 0.3 m^3 GP

Your Reliable Partner

E680Hi Technical Specifications

Engine		
Make & Model		Yanmar 4TNV98 - ZCVLGC
Type		In-line, water cooled, four stroke
Power	hp @ r/min	58@2100
Max. Torque	Nm @ r/min	247/1575
Number of cylinders		4
Displacement	ml	3319
Bore x Stroke	mm	98 x 110
Electric System		
System voltage	V	12
Battery voltage	V	12
Battery capacity	Ah	100
Alternator voltage	V	13.5
Starter voltage	V	12
Under carriage		
No. of track shoes		2 x 40
No. of top rollers		2 x 1
No. of bottom rollers		2 x 5
Type of travel brake		Wet disc (hydraulic oil release, spring compression)
Drive motor		2 axial piston motors
Max drawbar pull	kN	65
Max travel speed (low/high)		2.86/5.0
Service / parking brakes		Wet disc, spring applied, hydraulic release
Gradeability	%	35
Parameter		
Total mass	kg	7700
Bucket capacity	m^3	0.3
Average ground pressure	mm	34.5
Swing speed	(r/min)	10±0.3
Travelling speed (low / high)	km/h	2.86 / 5.0
Maximum digging force	kN	50

Hydraulic system		
Hydraulic system type		Load sensing control system
Working pressure	kgf/cm^2	245
Hydraulic control type		Pilot-actuated proportional control valve
Maximum flow rate	l/min	160
Main pump		Variable displacement axial piston pump
Hydraulic cylinder		
Arm cylinder - bore x stroke	mm	1 - 95 x 865
Dozer blade cylinder - bore x stroke	mm	1 - 120 x180
Boom cylinder - bore x stroke	mm	1 - 110 x 850
Bucket cylinder - bore x stroke	mm	1 - 85 x 710
Swing system		
Slewing type		Hydraulic internal-tooth single-row ball bearing
Type of swing brake		Wet disc (hydraulic oil release°C spring compression)
Swing motor		Axial piston motor
Swing brake		Wet disc
Swing speed	r/min	0-10
Refill capacities		
Fuel tank	l	150
Hydraulic oil	l	115
Engine oil	l	12
Oil filling capacity of walking reducer	l	2 x 1.1
Anti-freeze coolant	l	13.5

E680Hi Equipment and Features

Standard Equipment

Engine	
Yanmar engine	S
Two-stage air filters	S
Three-stage fuel filters	S
Oil-water separator	S
Pre-heater	S
Electrical/Electronic control system	
Engine safe start with restart prevention	S
Idling switch	S
Auto-idle function	S
9 work modes	S
Central fuse box	S
Work lights (Frame-mounted work lights 2 & Boom-mounted 1 LH) Battery, 12V	S
Master electrical disconnect switch Start motor, 12V	S
7 inch colour monitor	S
Hydraulic Lock-out lever	S
Hydraulic system	
Load-sensing hydraulic system	S
Boom/arm/swing priority	S
Boom/arm regeneration	S
Boom/arm holding	S
Two speed travel motors	S
Cylinder/motor cushioning	S
Dust sealing	S
Hydraulic oil	S
Muilti-stage filtration	S
Frames	
~~Reinforced revelling frame~~	S
Extended Dozer blade	S
Rear-view mirror	S

Undercarriage	
Durable "X" under-carriage	S
Greased and sealed track links	S
Reinforced carrier/top rollers	S
Steel track with triple grousers	S
Cab and interior	
Fabric operator seat with suspension	S
Seat belt	S
Joysticks	S
Radio with MP3/AUX	S
Master key	S
Hour meter	S
Sun visor	S
Dual arm rests	S
Air conditioner	S
Sliding front glass	S
OPTIONAL EQUIPMENT	
Electrical/Electronic control system	
Fuel filler pump	o
Extra (Cab-mounted halogen 1/ work lights Boom-mounted 1 RH)	o
Rotating warning beacon	o
Rear-view camera	o
Hydraulic system	
High-temperature/Low-temperature hydraulic oil module	o
Undercarriage	
600mm steel track	o
Rubber Pads	o
Without dozer blade	o
Attachment	
Ditching buckets	o
X1 pipes	o
X3 pipes	o
Side or top mounted breakers	o
Log grapples	o
Front (falling object upper/front guard) lower/top	o

Optional Attachments



Breakers



Log grapple



Ditching buckets

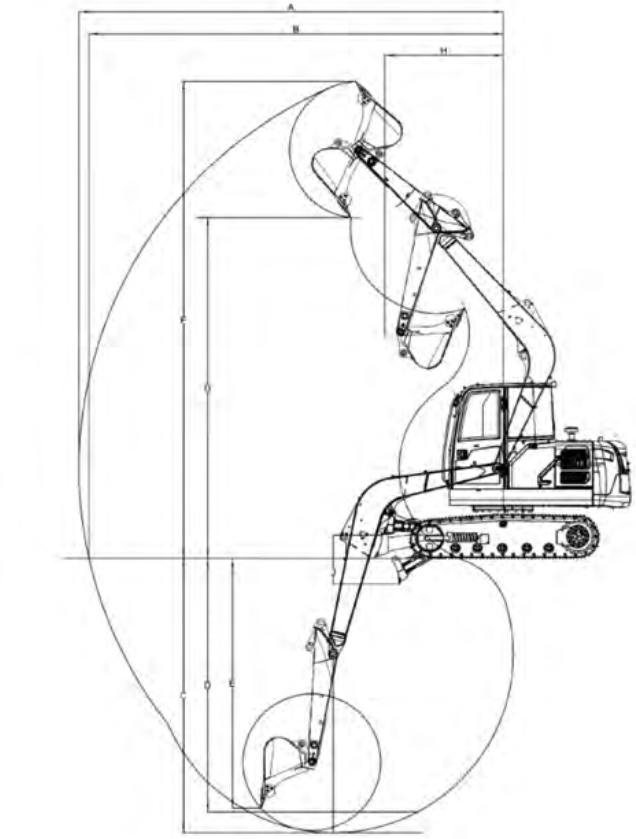


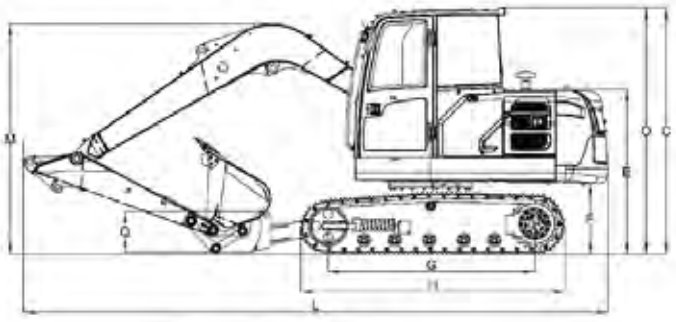
LM buckets

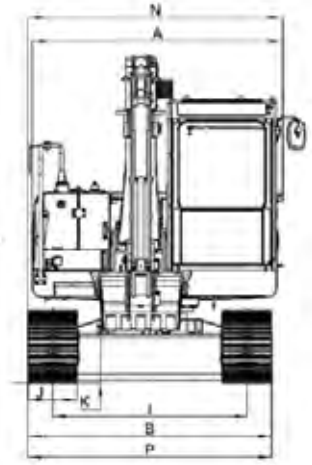
E680Hi Dimensions

Working range		
A. Maximum digging reach	mm	6340
B. Maximum digging reach of -reference ground	mm	6190
C. Maximum digging depth	mm	4160
D. Maximum digging depth under length of bottom surface of 2.5 m	mm	3800
E. Maximum vertical wall digging depth	mm	3760
F. Maximum digging height	mm	7200
G. Maximum dump height	mm	5065
H. Minimum front turning radius	mm	1760
Shovel width (with band edge)	mm	910

Dimensions		
A. Overall width of upper structure	mm	2240
B. Overall width Overall width of chassis	mm mm	2340 2240
C. Overall height of cab	mm	2580
D. Rear swing radius	mm	1895
E. Overall height of hood	mm	1765
F. Counterweight clearance	mm	777
G. Tumbler length	mm	2200
H. Overall length of crawler	mm	2825
I. Track width	mm	1780
J. Track shoe width	mm	450
K. Minimum ground clearance	mm	375
L. Overall length	mm	6230
M. Overall height of boom	mm	2585
Arm length	mm	1650
Overall dimensions mm	mm	6230 x 2340 x 2585
Boom length	mm	3710







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