

SPECIFICATIONS

ENGINE

Model	MHI S4KT
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharged
No. of cylinders	4
Rated power	
ISO 9249, net	95PS (69.9kW) at 1950 min ⁻¹ (rpm)
SAE J1349, net	95PS (69.9kW) at 1950 min ⁻¹ (rpm)
Maximum torque	372 Nm (37.9 kgfm) at 1 400 min ⁻¹ (rpm)
Piston displacement	4.249 L
Bore and stroke	102 mm x 130 mm
Batteries	2 x 12V / 80 AH

HYDRAULIC SYSTEM

Hydraulic Pumps

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow	2 x 105 L/min
Pilot pump	1 gear pump
Maximum oil flow	30.24 L/min

Hydraulic Motors

Travel	2 variable displacement axial piston motors
Swing	1 axial piston motor

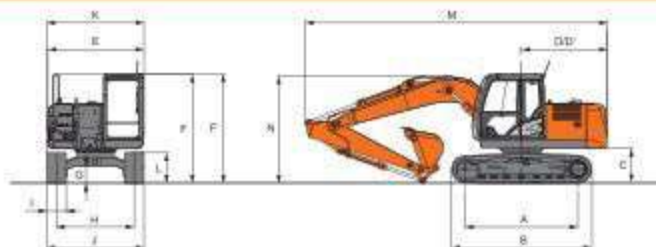
Relief Valve Settings

Implement circuit	34.3 MPa (350 kgf/cm ²)
Swing circuit	32.3 MPa (330 kgf/cm ²)
Travel circuit	34.3 MPa (350 kgf/cm ²)
Pilot circuit	4.0 MPa (41 kgf/cm ²)
Power boost	36.3 MPa (370 kgf/cm ²)

BACKHOE ATTACHMENTS

Capacity	Width		No. Of teeth	Weight	Recommendation	
PCSA	Without side cutters	With side cutters			2.10 m arm	3.01 m arm
0.7 m ³ (GP)	1066 mm	1186 mm	5	508 kg	✓	
0.6 m ³ (HD)	931 mm	—	4	574 kg	✓	
0.45 m ³	802 mm	—	4	475 kg		✓

DIMENSIONS



Unit: mm

A Distance between tumblers	2 880	I Track shoe width	500
B Undercarriage length	3 580	J Undercarriage width	2 490
* C Counterweight clearance	865	K Overall width	2 490
D Rear-end swing radius	2 190	* L Track height with triple grouser shoes	790
D' Rear-end length	2 190	M Overall length	
E Overall width of upperstructure	2 431	With 2.10 m arm	7 658
F Overall height of cab	2 718	With 3.01 m arm	7 710
F' Overall height of upperstructure	2 718	N Overall height of boom	
* G Min. ground clearance	440	With 2.10 m arm	2 579
H Track gauge	1 990	With 3.01 m arm	2 680

* Excluding track shoe lug G: Triple grouser shoe

ZX140H

UPPER STRUCTURE

Swing speed	13.7 min ⁻¹ (rpm)
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UNDER CARRIAGE

Tracks

Heat-treated connecting pins with dirt seals Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Numbers of Rollers and Shoes on Each Side

Upper roller	1
Lower rollers	7
Track shoes	44
Track guard	1

Travel Device

Each track driven by 2-speed axial piston motor
Parking brake is spring-set/hydraulic-released disc type.
Automatic transmission system: High-Low.

Travel speeds	High : 0 to 55 km/h
	Low : 0 to 3.4 km/h

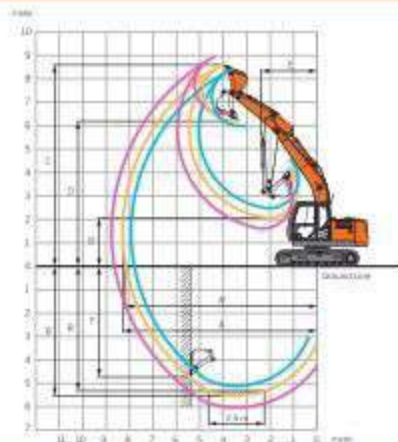
Maximum traction force ... 102 kN (10400 kgf)

Gradeability

SERVICE REFILL CAPACITIES

Fuel tank	2500 L
Engine coolant	190 L
Engine oil	18.5 L
Swing device	3.2 L
Travel device (each side)	4.0 L
Hydraulic system	1700 L
Hydraulic oil tank	690 L

WORKING RANGES



Unit: mm

Arm length	2.10 m	3.01 m
A Max. digging reach	7 900	8 740
A' Max. digging reach (on ground)	7 770	8 620
B Max. digging depth	5 150	6 060
B' Max. digging depth for 2.5 m level	4 910	5 870
C Max. cutting height	8 370	8 900
D Max. dumping height	5 960	6 490
D' Min. dumping height	2 487	1 607
E Min. swing radius	2 310	2 590
F Max. vertical wall digging depth	4 650	5 500