

Product Specifications

OPERATING PERFORMANCE

	Serial No. 185100001 or later	Serial No. 190200001 or later
Operating Weight - Mono Boom	8,400 kg	8,425 kg
Operating Weight - 2 Piece Boom	8,715 kg	8,740 kg
Bucket Capacity (Heaped)	0.245 m ³	
Slew Speed	10.3 min ⁻¹	
Travel Speed		
1st	2.6 km/h	
2nd	5.0 km/h	
Gradeability	35°	
Ground Pressure - Mono Boom	37.6 kPa	37.7 kPa
Ground Pressure - 2 Piece Boom	39.0 kPa	39.1 kPa
Maximum Bucket Breakout Force	59.1 kN	
Maximum Arm Digging Force	40.0 kN	
Traction Force	88.0 kN	
Boom Swing Angle (Left/Right)	70° / 60°	

ENGINE

	Yanmar 4TNV98CT	Isuzu 4JJ1T
Model		
Rated Output (ISO 14396)	51.6 kW / 2,000 min ⁻¹	52.0 kW / 2,000 min ⁻¹
Maximum Torque	308.0 Nm 1,300 min ⁻¹	255.0 Nm 1,300 min ⁻¹
Displacement	3,318 ml	2,999 ml
Alternator	12 V - 0.96 kW	12 V - 1.32 kW
Battery (IEC 60095-1)	12 V - 90 A·h	

FLUID CAPACITY

Engine Lubrication	10.2 L	15.0 L
Cooling System	14.0 L	16.0 L
Fuel Tank Capacity	128.0 L	
Hydraulic Reservoir Capacity	73.0 L	
Hydraulic System Capacity	140.0 L	

HYDRAULIC SYSTEM

P1	Variable Displacement Pump
Flow Rate	160.0 L/min
Relief Pressure	27.5 MPa
P2	Gear Pump
Flow Rate	60.6 L/min
Hydraulic Pressure	24.0 MPa
Service Port 1	
Flow Rate	100.0 L/min
Hydraulic Pressure	20.6 MPa
Service Port 2	
Flow Rate	55.0 L/min
Hydraulic Pressure	20.6 MPa
Service Port 3	
Hydraulic Pressure	20.6 MPa
Service Port 4	
Flow Rate	55.0 L/min
Hydraulic Pressure	20.6 MPa

SAFETY and HEALTH

Vibration Levels	
Hand / Arm	≤ 2.5 m/s ²
Body	≤ 0.5 m/s ²
Noise Level	
Sound Power Level	Lwa 99 dB



Multi-Informational Display



Hydraulic Joystick Controls



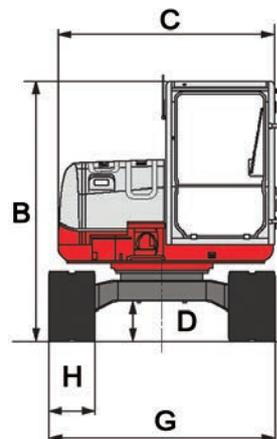
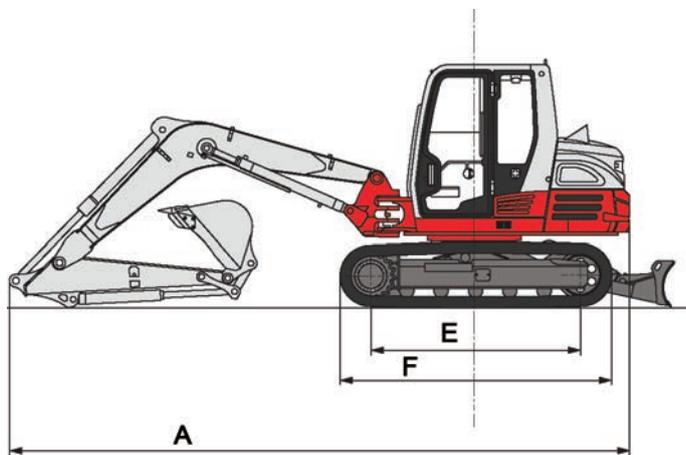
Auxiliary Hydraulic Lines



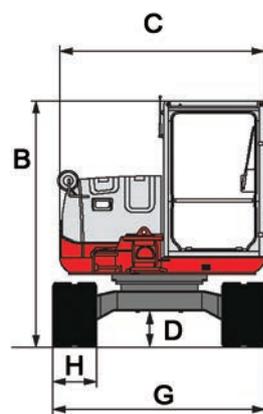
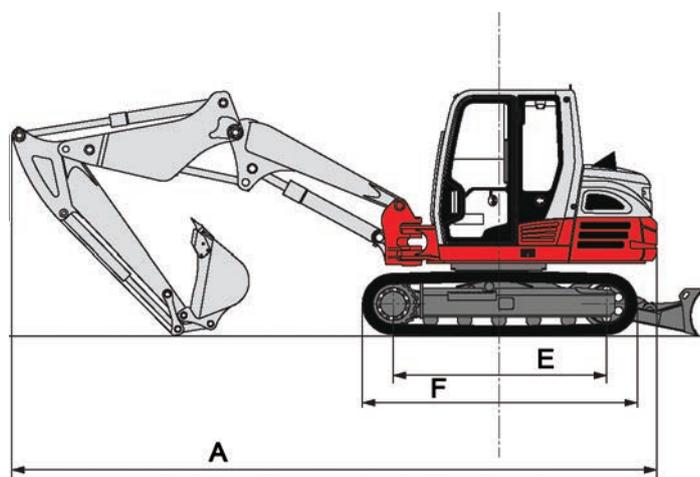
Multi-Function Switch Bank

TB290 Machine Dimensions

Mono Boom



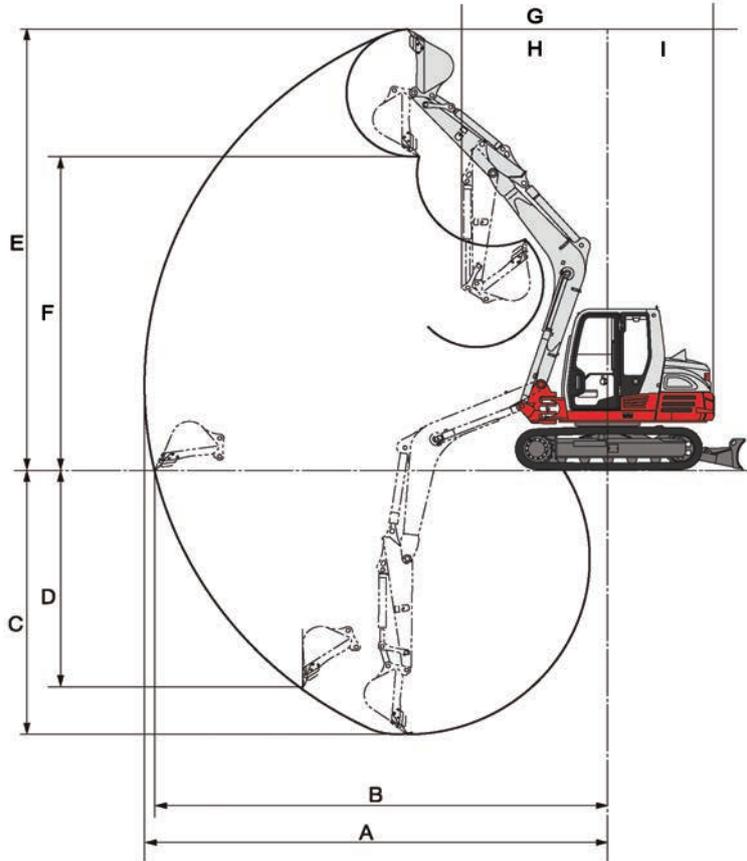
2 Piece Boom



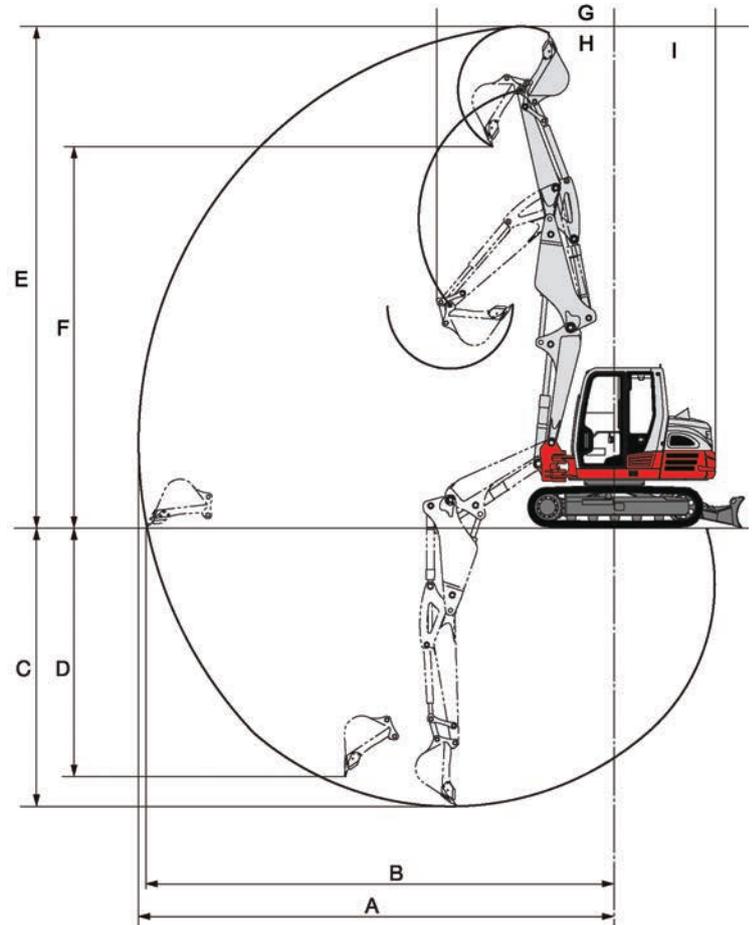
MACHINE DIMENSIONS	Mono Boom			2-Piece Boom
	1,780 mm ARM	1,960 mm ARM	2,130 mm ARM	
A Overall Length	6,530 mm	6,575 mm	6,660 mm	6,700 mm
B Overall Height	2,550 mm	2,550 mm	2,550 mm	2,550 mm
C Upper Structure Overall Width	2,140 mm	2,140 mm	2,140 mm	2,140 mm
D Ground Clearance	370 mm	370 mm	370 mm	370 mm
E Crawler Base	2,210 mm	2,210 mm	2,210 mm	2,210 mm
F Crawler Overall Length	2,855 mm	2,855 mm	2,855 mm	2,855 mm
G Crawler Overall Width	2,200 mm	2,200 mm	2,200 mm	2,200 mm
H Crawler Shoe Width	450 mm	450 mm	450 mm	450 mm

TB290 Operating Dimensions

Mono Boom



2 Piece Boom



MACHINE DIMENSIONS	Mono Boom		2-Piece Boom	
	1,780 mm ARM	1,960 mm ARM	2,130 mm ARM	
A Maximum Reach	7,105 mm	7,275 mm	7,435 mm	7,730 mm
B Maximum Reach at Ground Level	6,950 mm	7,125 mm	7,290 mm	7,590 mm
C Maximum Digging Depth	4,230 mm	4,410 mm	4,580 mm	4,470 mm
D Maximum Vertical Digging Depth	3,470 mm	3,650 mm	3,820 mm	3,980 mm
E Maximum Height of Cutting Edge	7,030 mm	7,165 mm	7,290 mm	8,045 mm
F Maximum Dumping Height	4,995 mm	5,135 mm	5,260 mm	6,120 mm
G Front Swing Radius	2,240 mm	2,360 mm	2,495 mm	2,675 mm
H Front Swing Radius with Boom Offset	1,810 mm	1,910 mm	2,030 mm	2,190 mm
I Slew Radius	1,650 mm	1,650 mm	1,650 mm	1,650 mm

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