

## Compact Excavator TB235

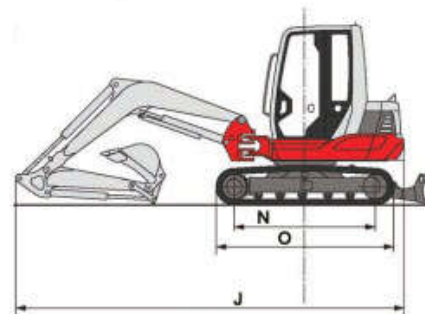
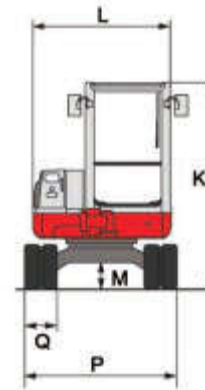
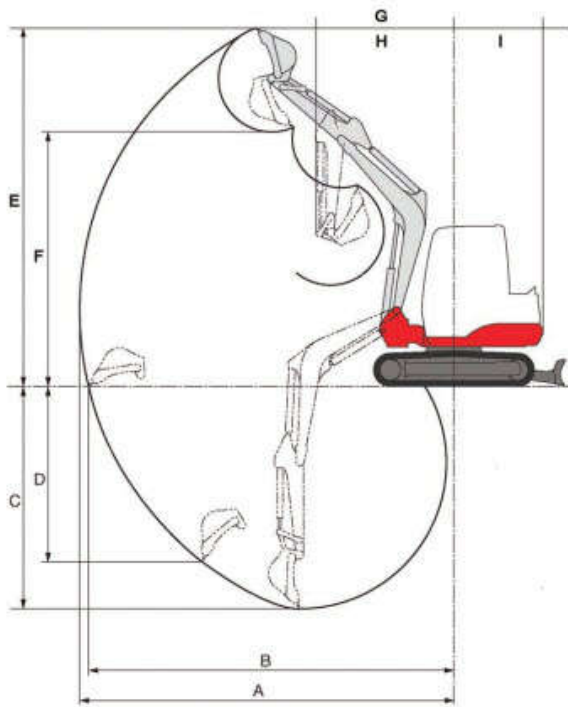


Brand Model	Takeuchi TB235
<b>OPERATING PERFORMANCE</b>	
Operating Weight - Cab	3,605 kg
Operating Weight - Canopy	3,465 kg
Bucket Capacity (Heaped)	0.105 m <sup>3</sup>
Slew Speed	10.2 min <sup>-1</sup>
Travel Speed 1st / 2nd	2.6 km/h / 5.0 km/h
Gradeability	30°
Ground Pressure - Cab	27.9 kPa
Ground Pressure - Canopy	26.8 kPa
Maximum Bucket Breakout Force	27.0 kN
Maximum Arm Digging Force	18.3 kN
Traction Force	39.5 kN
Boom Swing Angle (Left/Right)	75° / 60°

<b>ENGINE</b>	
Model	Yanmar / 3TNV88
Rated Output (ISO 14396)	22.0 kW / 2,400 min <sup>-1</sup>
Maximum Torque	107.4 Nm / 1,440 min <sup>-1</sup>
Displacement	1,642 ml
Alternator	12 V - 0.48 kW
Battery (IEC 60095-1)	12 V - 73 A. h
<b>FLUID CAPACITY</b>	
Engine Lubrication	4.7 L
Cooling System	8.7 L
Fuel Tank Capacity	53.0 L
Hydraulic Reservoir Capacity	35.0 L
Hydraulic System Capacity	67.0 L

<b>SAFETY and HEALTH</b>			
Vibration Levels		Noise Level	
Hand / Arm	< 2.5 m/s <sup>2</sup>	Sound Power Level	LWA 95 dB
Body	< 0.5 m/s <sup>2</sup>		

<b>HYDRAULIC SYSTEM</b>						
P1	Flow Rate	Variable Displacement Pump	38.9 L/min	Service Port 1	Flow Rate	62.0 L/min
	Relief Pressure		21.0 MPa		Hydraulic Pressure	21.0 MPa
P2	Flow Rate	Gear Pump	22.8 L/min	Service Port 2	Flow Rate	23.0 L/min
	Hydraulic Pressure		19.6 MPa		Hydraulic Pressure	19.6 MPa
				Service Port 3	Hydraulic Pressure	19.6 MPa



MACHINE DIMENSIONS		1,290 mm ARM	1,450 mm ARM	1,600 mm ARM
A	Maximum Reach	5,180 mm	5,325 mm	5,465 mm
B	Maximum Reach at Ground Level	5,045 mm	5,195 mm	5,345 mm
C	Maximum Digging Depth	3,090 mm	3,250 mm	3,400 mm
D	Maximum Vertical Digging Depth	2,330 mm	2,460 mm	2,600 mm
E	Maximum Height of Cutting Edge	5,040 mm	5,135 mm	5,240 mm
F	Maximum Dumping Height	3,620 mm	3,715 mm	3,815 mm
G	Front Swing Radius	1,890 mm	1,930 mm	1,950 mm
H	Front Swing Radius with Boom Offset	1,495 mm	1,540 mm	1,560 mm
I	Slew Radius	1,395 mm	1,395 mm	1,395 mm
J	Overall Length	4,950 mm	4,995 mm	5,020 mm
K	Overall Height	2,450 mm	2,450 mm	2,450 mm
L	Upper Structure Overall Width	1,470 mm	1,470 mm	1,470 mm
M	Ground Clearance	295 mm	295 mm	295 mm
N	Crawler Base	1,655 mm	1,655 mm	1,655 mm
O	Crawler Overall Length	2,110 mm	2,110 mm	2,110 mm
P	Crawler Overall Width	1,630 mm	1,630 mm	1,630 mm
Q	Crawler Shoe Width	350 mm	350 mm	350 mm