

	Takeuchi TB20e	JCB 19C-1e	Kato 17VXB9C-1e	Volvo EC18 Electric	Volvo ECR18 Electric
PERFORMANCE					
Tail Swing	Conventional	Conventional	Conventional	Conventional	Zero
Operating Weight	4,255 lb	4,193 lb	4,200 lb	4,321 lb	4,120 lb
Max Digging Depth	7' 10.0"	7' 11"	7' 0"	8' 10"	8' 11"
Max Dump Height	8' 10.6"	8' 7"	8' 5"	8' 6"	8' 6"
Max Reach	13' 4"	13' 3"	12' 4"	13' 11"	13' 11"
Max Bucket Digging Force	4,226 lb	4,046 lb	5,447 lb	2,900 lb	2,900 lb
Max Arm Digging Force	1,820 lb	2,045 lb	NA	1,562 lb	1,562 lb
Traction Force	4,655 lb	2,967 lb	NA	NA	NA
BATTERY/CHARGING/MOTOR					
Battery Type	Lithium-Ion	Lithium Ion	Lithium-Ion Battery	Lithium-Ion	Lithium-Ion
Gross Capacity	24.7 kWh	19.8 kWh	NA	16 kWh	16 kWh
System Voltage	73 V	48 V	NA	48 V	48 V
Average Charge Time	On-Board 200v 10 hrs	On-Board 110v 12 hrs On-Board 220v-240v 8 hrs	8 Hours	On-Board 110v 12 hrs On-Board 240v 6 hrs	On-Board 110v 10 hrs On-Board 240v 5 hrs
Off-Board Rapid Charge	Off-Board 408-552v 4 hrs	Off-Board 380-420v 3 hrs	NA	Off-Board 400v 1.15 hrs	Off-Board 400v 1 hrs
Average Run Time	4-8 Hours	5 Typical Duty Cycle	Up to 8 Hours	4-6 Hours	3-5 Hours
Emissions	Zero	Zero	Zero	Zero	Zero
UNDERCARRIAGE					
Track Width	9.0"	9.0"	9.0"	9.0"	9.0"
Ground Pressure	4.9 psi	5.1 psi	4.4 psi	NA	NA
Travel Speed, Low	1.3 mph	1.5 mph	1.3 mph	1.1 mph	1.1 mph
Travel Speed, High	2.5 mph	2.5 mph	2.5 mph	2.2 mph	2.4 mph
HYDRAULIC SYSTEM					
Total Hydraulic Flow	15.0 gpm	11 gpm	12 gpm	NA	NA
Aux. Hydraulic Flow	9.0 gpm	8.0 gpm	7.0 gpm	NA	NA
Hydraulic System Pressure	2,988 psi	3,408 psi	3,000 psi	NA	NA
Hydraulic Reservoir Capacity	4.1 gal	3 gal	NA	NA	NA
DIMENSIONS					
Width	38.6" - 51.2"	29.5" - 43.7"	39" - 50"	39" - 53"	39" - 53"
Height	7' 5.8"	7' 8"	7' 6"	NA	NA
Length (Transport)	12' 8.5"	12' 8"	11' 1"	11' 3"	11' 3"
Ground Clearance	8.1"	6.0"	9.3"	NA	NA
Boom Swing (Degrees L / R)	78 / 49	75 / 55	55 / 70	NA	NA
Front Swing Radius	4' 10.2"	4' 11"	4' 11"	NA	NA
Tail Swing Radius	3' 6.4"	3' 7"	2' 2"	NA	NA