



CB50 TONNE BATTERY SHUNTING LOCOMOTIVE



TECHNICAL DATA

Maximum Operating Speed (settable)	30 km/h
Minimum operating horizontal track curve	30 m
Track Gauge	1,435 mm
Weight in service condition	50,000 kg
Maximum tractive effort @ 30% adhesion	15,000 kg
Nominal temperature	-20° + 45° C
Battery Voltage	600 V _{DC}
Battery Capacity	450 kWh
Motor Power (continuous)	200 kW
Number of Motors	2
Length over frame	7,800 mm
Overall width over frame	2,600 mm
Height above rail	3,560 mm
Wheelbase	1,900 mm
Outer Axle Centre	3,800 mm
Wheel configuration	CoCo
Track clearance buffer beam (new tyres)	120 mm
Wheel diameter (new tyres)	840 mm
Centre Wheel diameter	Flangeless

PRODUCT FEATURES

The CLAYTON CB50 tonne Battery locomotive has a fixed axle frame construction; chassis housing two traction motors providing a six-wheel drive/brake arrangement.

The locomotive has a total continuous tractive power of 400 kW ASL, each traction motor delivering a continuous 200 kW providing power to the final drive reduction gearboxes. Motor electrical power is provided from two 600V_{DC} traction batteries. Battery charging is via two shore charging sockets either end of the machine.

The locomotive is equipped with electronic motor control delivering a continuous rated power of 400 kW ASL with a peak power of 600 kW ASL.

PRODUCT OPTIONS

Battery Technology

- ⚙️ Lithium
- ⚙️ TTPL maintenance free fast charging
- ⚙️ Lead Acid

Signalling

- ⚙️ ECTS
- ⚙️ TPS
- ⚙️ KVB
- ⚙️ TBL 1+
- ⚙️ PZB

Productivity & Safety

- ⚙️ LocoWatch™ system available
- ⚙️ Hybrid versions available
- ⚙️ Radio control
- ⚙️ Automation options
- ⚙️ Anti-collision system
- ⚙️ Various power options available