

HAULMASTER 800-20EB is a powerful, safe, fast, and reliable battery powered haul truck designed for clean, high production hauling in demanding underground applications.



The robust and reliable four-wheel drive, articulated Haulmaster 800-20EB consists of a power-shift transmission powered by an electric motor and battery system connected to heavy-duty Dana axles. The rugged frame and articulated carrier make the Haulmaster 800-20EB a very durable and extremely maneuverable unit even in the tightest situations. The elimination of a diesel engine allows for significant cost savings in reduced maintenance and energy costs, reduced ventilation requirements and improved health and safety for workers. In underground mining and tunneling operations, the Haulmaster 800-20EB will ensure workers meet production goals in a safe, healthy, and timely manner.

FEATURES:

- Dump body volumes from 9.1 to 10.4 m³
- Up to 20000 kg payload capacity
- Lower life cycle cost (LCC), safer to operate, performs better
- Battery management system (BMS) for optimal battery health and performance
- Various dump body options, capacities, and ejector body available
- Optional ride control available for smoother, more comfortable travel experience
- Fully enclosed, climate controlled operator compartment option available

SPECIFICATIONS:

BATTERY SYSTEM

Battery pack voltage	620 VDC
Battery pack amperage	260 amps/hour
LiFePO ⁴ (lithium iron phosphate) cells	
Average charge time	1.5 to 2 hours
Average operating time between charges	4 hours

BATTERY MANAGEMENT SYSTEM (BMS)

Data (state of charge, state of health, voltage, temperature, current, warning lights)
Cell balancing
Thermal sensing
Over current protection
Over & under voltage protection

SAFETY FEATURES

Stop switch located in operator compartment for complete system shutdown
High voltage interlock initiates complete system shutdown if high voltage plug is disconnected
Master disconnect switch on battery pack
Ground fault system
Driver door interlock actuates joystick & transmission

DUMP BODY CAPACITIES

Payload capacity	20800 kg (45856 lbs)
Standard box volume (SAE heaped)	9.1 m ³ to 10.4 m ³ 11.9 yd ³ to 13.6 yd ³

*Dump body capacity/payload subject to change based on customer specific material density and application.

MISCELLANEOUS

Central grease point – manual
Standard gauges and instrumentation
ANSUL fire suppression system - manual
Copy of Parts/Operator/Service manuals
Suspension seating
ROPS/FOPS certified canopy – operator compartment

POWERTRAIN

Electric Motor: 75-224 kW (100-300 hp) range, totally enclosed, liquid-cooled, maintenance free, brushless
Drive: AC traction, variable frequency, high efficiency, heavy-duty, liquid-cooled

TRANSMISSION

Dana powershift, 32000 series
3 speeds forward and reverse, 4 wheel drive
Dana C270 converter

AXLES

Dana 19D, planetary type
Oscillation (rear axle) $\pm 7^\circ$

BRAKES

Service: wet disc (integrated), internal SAHR
Emergency & parking: SAHR

TIRES

Mine type, 16.00 – 25

STEERING

Hydraulic, articulated
Steering angle $\pm 38^\circ$

HYDRAULICS

Steering and boom
170 bar, 190 L/min/2200 rpm
Hydraulic oil tank volume 234 L

ELECTRICAL SYSTEM

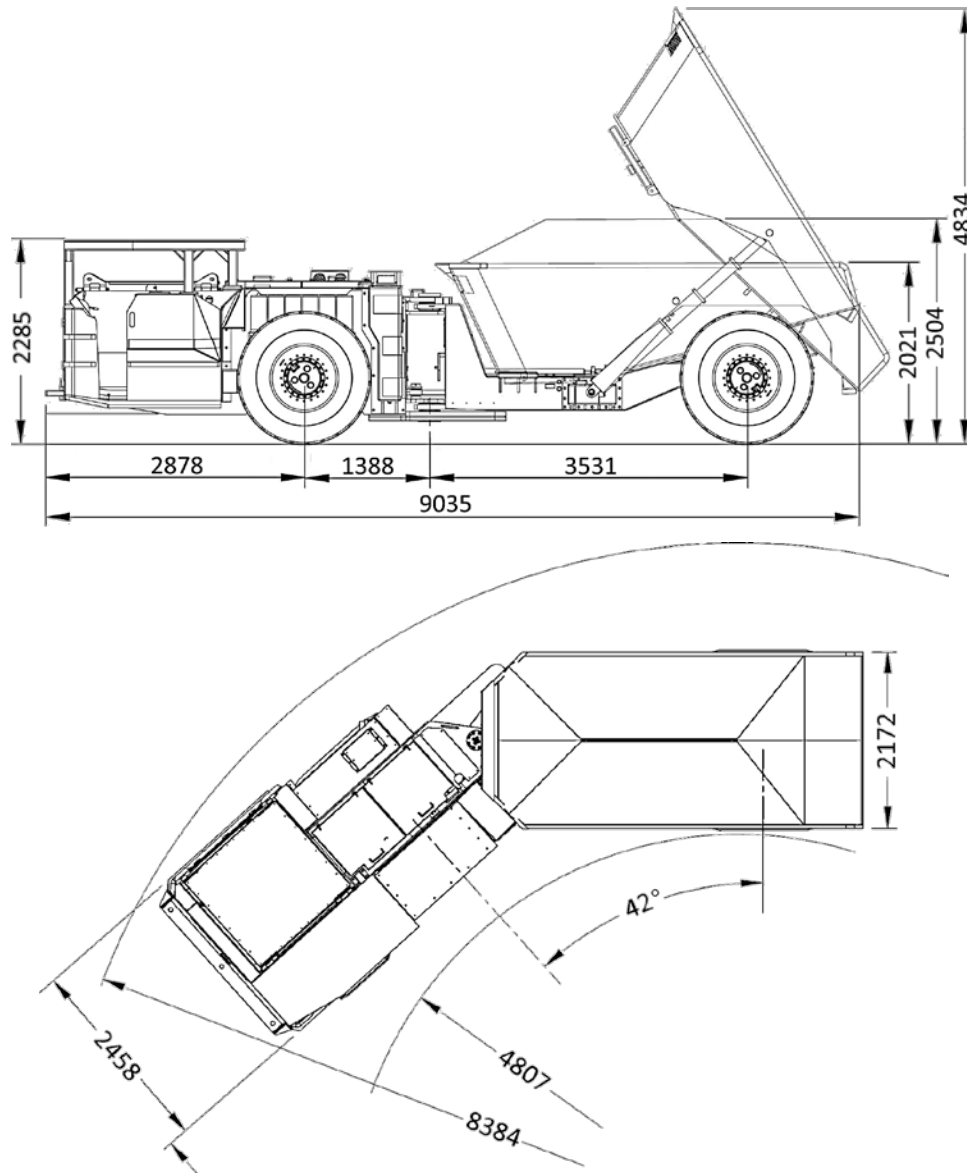
24 V
Battery 2 x 12 VDC
Tramming/working LED lights 4 front / 4 rear
Brake lights 2 rear
Horn & reverse alarm

OPTIONAL EQUIPMENT

Various dump body capacities
Automatic centralized lubrication system
24 V hydraulic oil transfer pump
Remote brake release for towing
Strobe light
Swivel seat
Air ride seating
Solid or foam filled tires

ROPS/FOPS approved enclosed cabin
Ejector dump body
Dump body liner
Wheel chocks
Driver door interlock
ANSUL Checkfire fire suppression system
Reverse camera system
Other options available upon request

MEASUREMENTS



DIMENSIONS	mm	inches	CONT'D	mm	inches
Width	2458	97	Inside turning radius	4807	189
Height	2285	90	Outside turning radius	8384	330
Length	9035	356			
Turning angle		42°			
WEIGHT	kg	lbs			
Total	29120	64200			

Dimensions and weights given are for HM800-20EB empty machine with 9.1 m³ (11.9 yd³) dump body, 16.00 - 25 tires, standard options, and standard dump body. Net machine weight changes will directly effect the payload. Material density will determine dump body volume figures.