

SHUTTLE CAR

WARACAR



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HBT WARACAR

The only batch haulage vehicle designed and manufactured in Australia that is purpose-engineered for ease of operation and low total cost of ownership (TCO).



HBT WARACAR

TAKES PRODUCTIVITY WHERE NO ONE ELSE CAN.

PURPOSE ENGINEERED BATCH HAULAGE VEHICLE

The HBT “Waracar” shuttle car is a purpose-engineered batch haulage vehicle designed and developed in consultation with customers for the specific needs of the underground mining industry.

First developed in 2002, the Waracar has carved out a name for itself as a reliable and efficient machine offering supreme ease of operation, high levels of reliability and low maintenance costs.

In the years since its first release, the Waracar platform has continued to be refined and developed with feedback from customers. Today, the latest generation wide-body variant continues to serve as the benchmark for productivity when it comes to shuttlecar designs.



KEY FEATURES

ERGONOMIC & SAFE CABIN

The cabin, which complies with the Mining Design Guidelines, has been designed to incorporate the latest in industry standards and regulations for operator safety.

The operator’s cabin offers a dual seat arrangement, an electronic display and control station with an ergonomic layout to ensure drivers operate in comfort and safety.

- Two 160KG rated seats with adjustable height & spring suspension (125mm Travel) and seat belts
- High Visibility Protection Device (compliant with Mine Department Guidelines)
- 3 position adjustable cabin roof with mesh
- Hard Piping throughout cabin for reduced maintenance & increased operator safety
- Traction interlocked door switch
- Warning Bell and go/no-go lights
- Solenoid operated boom valve
- Emergency stop
- Extra Low Voltage control system and propriety foot switch

EFFICIENT & RELIABLE CONVEYOR SYSTEM

The Waracar’s conveyor system is proven to offer maximum productivity and efficiency thanks to the outboard chain conveyor design, managed by the HBT control system.

All models in the Waracar range include a heavy-duty worm drive which allows for rapid payload discharge.



RESPONSIVE DRIVE, BRAKE & STEERING SYSTEM

The Waracar's speed and agility come from its 4-wheel Drive and Steering system with two 37kW DC or 85kW AC variable speed motors. As an added benefit of its design, the Waracar has the ability to steer and operate service brakes while being towed with no electrical power applied.

The hydraulic wet brake system is designed for maximum safety and reliability. The cooling system uses an entirely separate oil circuit and reservoir which isolates the brake oil from the main hydraulic system. This innovation reduces the chances of oil contamination and prevents heat generated during braking from reaching the main circuit, improving machine reliability and uptime.



TRIED & TESTED CABLE REEL SYSTEM

The cable reel system's proprietary design delivers maximum durability under the most extreme workloads and features overfill and run out protection to reduce the likelihood of cable damage.

The cable reeling device is operated by the hydraulic system and is designed to keep a constant cable tension throughout shuttle car's speed range and in either direction.

A built-in cable minder automatically lays the cable onto the reel during operation, and when raising the boom for unloading, the cable reel covers automatically lift to decrease the potential for cable damage.



STANDARD, WIDE, OR NARROW BODY 5 MODELS, FIT FOR PURPOSE.

Available in 5 models, the Waracar platform includes the standard models WC16, WC18 and WC20. This model series is complimented by the special models WC16-N with a narrow body and WC18-W with a wide body for increased capacity. This design has been developed for standard and low seam mines requiring increased payloads for improved productivity and efficiency.

SPECIFICATIONS

	WC16 / WC16-N	WC18 / WC18-W	WC20
Carrying Capacity	16 Tonnes	18 Tonnes	20 Tonnes
Tare Mass	29 Tonnes	33.5 Tonnes	33.5 Tonnes
Length	9255	9355	9355
Width	3010	3420	3420
Floor Clearance	320mm	310mm	310mm
Max Speed	10 K/h	10 K/h	10 K/h
Drive System	Twin 37kW DC / 85kW AC Traction Drive system	Twin 37kW DC / 85kW AC Traction Drive system	Twin 37kW DC / 85kW AC Traction Drive system
Hydraulics System	HBT Waracar Hydra-safe System	HBT Waracar Hydra-safe System	HBT Waracar Hydra-safe System
Conveyor System	Single Drive 4.1" pitch Outboard Chain	Single Drive 4.1" pitch Outboard Chain	Single Drive 4.1" pitch Outboard Chain
Conveyor width	1224mm / 772mm-N	1224mm / 1630mm-W	1630mm
Payload Discharge time	~70 seconds	~70 seconds	~70 seconds



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