

PM15DE

Diesel Electric
Shuttle Car



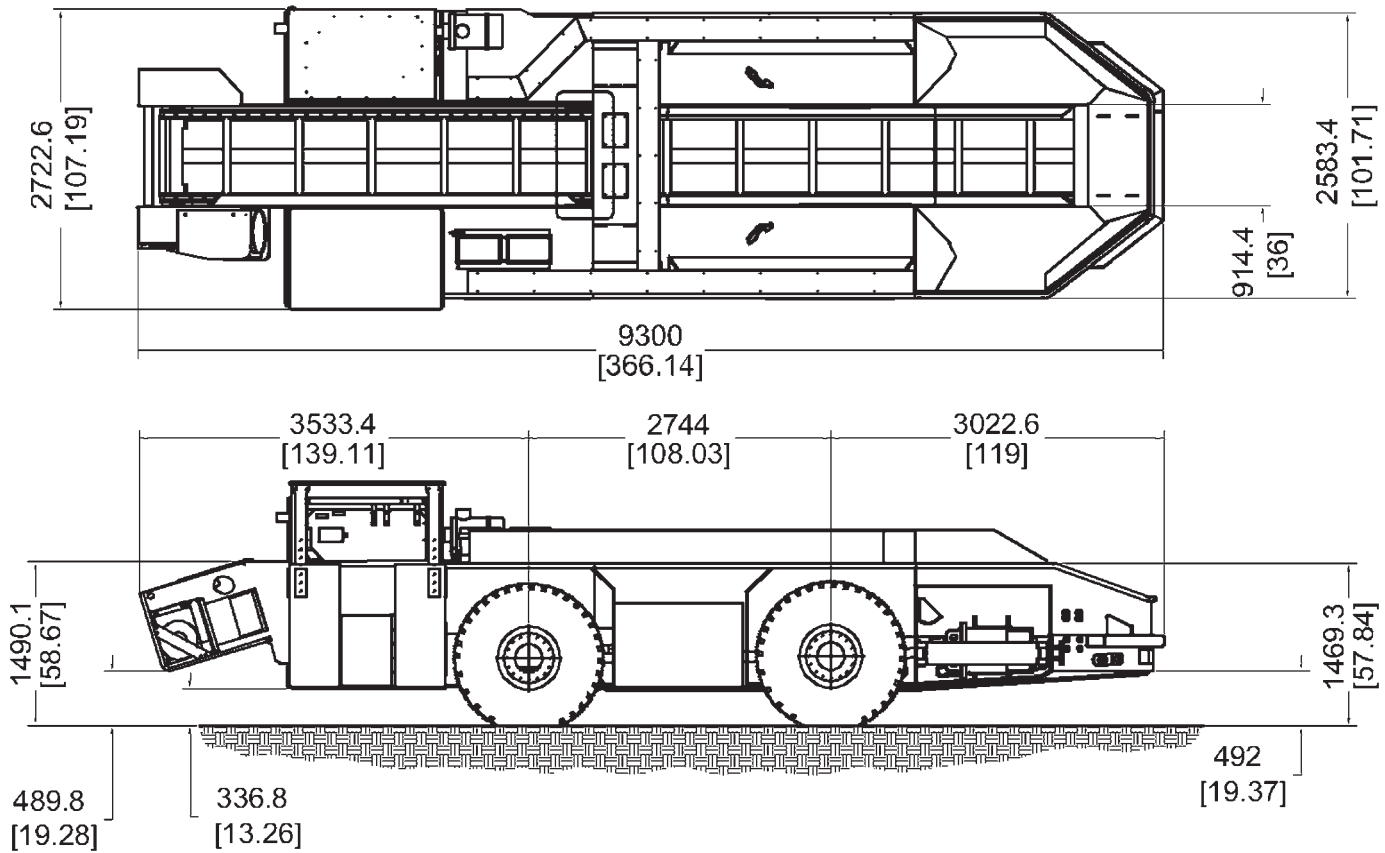
Diesel Electric VFD Freedom[®] Shuttle Car (15 Tonnes)

Phillips' innovative Diesel Electric Shuttle Car was introduced at MINExpo 2008 in Las Vegas, Nevada. This machine was the first of two that went to one of the major potash mines of Canada. A further evolution of the prototype diesel electric car that Phillips developed several years ago, this car features a modern, efficient, electronically controlled diesel engine and electric, variable frequency, AC traction drive.



Increased Payload, Heavy Duty Unibody Chassis & Advanced Wheel Unit Design

- Cummins 4.5 Liter diesel engine
- Turbo charged
- Water cooled
- Induction generator hp rated at 55 kva
- Generator drive by cog type belt
- VFD motor controls
- Liquid cooled electronics
- Traction motor hp 75 (55kw)
- Catalytic converter exhaust after treatment
- AC / DC converter
- Conveyor motor hp 35 (26kw)
- Variable displacement pump
- Wet disc brakes
- 4-Wheel steering
- Full time 4-wheel drive
- Planetary type wheel units
- 14.00 X 24 tires
- Electronically controlled generator
- Capable of climbing a 20 degree incline
- Hand-held programmer



Model	Rated Capacity	Empty Weight	Overall Width (A)	Chassis Width (B)	Overall Length (C)	Chassis Height (D)	Ground Clearance	Tire Size	Load End Height	Ground Pressure	Minimum Seam Height
PM15DE	15 Tonnes 16.5 Tons	25,719 kg ₃ 56,700 lbs ₃	2723mm 107.19"	2584mm 101.71"	9300mm 366.14"	1470mm 157.84"	336mm 13.26"	14.00x24	1469mm 57.84"	9.2 kg/cm ² ₄ 131 psi ₄	2337mm 92"

All specifications are subject to change without notice.
Dimensions are based on a car with a 36" (914.4mm) wide conveyor.

Notes:
₃ Machine weights will vary depending on options selected.
₄ Ground pressure is shown at rated capacity and will vary depending on options selected.

Key Features

- 15 Metric Ton Capacity with a 10 m³ (335 ft³) Payload Capacity
- Variable Speed Tram and Conveyor Control
- Motor Controls Produce Full Torque at Zero Speed
- Liquid Cooled Electronics
- Wet Disc Brakes with Regenerative Braking

Available Options

- Service Cylinders
- 4-Wheel Independent Suspension
- Dual Loader Type Conveyor Chain
- Audio/Visual Safety Device
- MineSMART Technology Package



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