

Concept Catalog Lithium/Diesel Dump Truck







Agenda

- Features
- Operation
- Specs

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Features, Special

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Lithium D96 vs Competition:

- 80% Less Accidents for Driver
- 50% Less Vibration vs Diesels
- 80% Less Maintenance Offtime
- 80% Less Noise vs Diesels
- No Fuel Supply problems
- Lower Price
- Zero emissions

Diesel D96 vs Competition:

- 80% Less Accidents for Driver
- 80% Less Maintenance Offtime
- Lower Price

Features, Maintenance



Tire Change: 15 min.

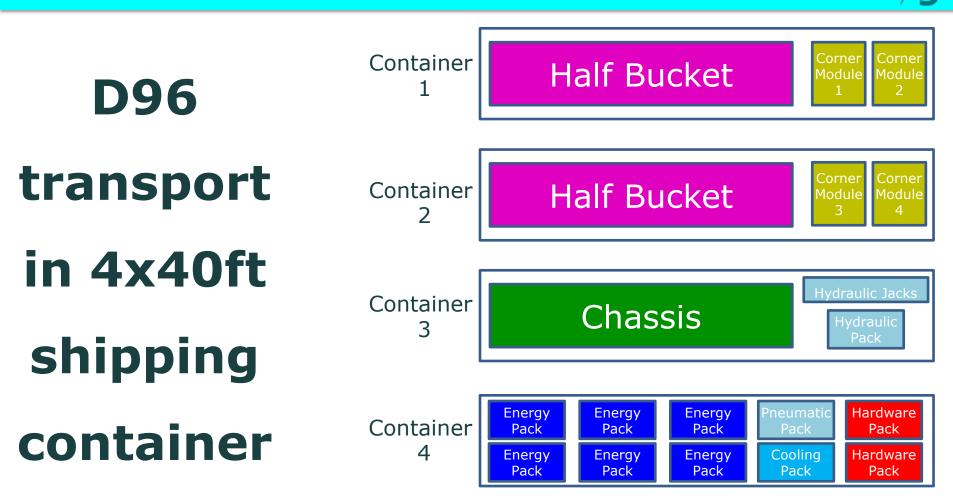
Corner Module Change: 30 min.



Battery/Diesel Change: 10 min./Box



Features, Transport



Features

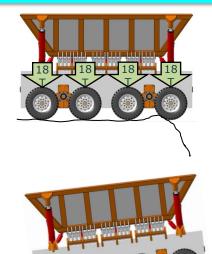
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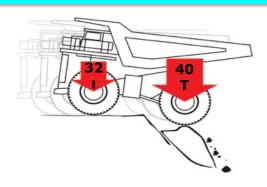
	Special Features	Scheme	Inves.	Energy	Safety	Time	Comfort	Cost	Maint.
1	Multi Hub Motors	M	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
2	VCD Inverters	VCD	\checkmark	\checkmark	\checkmark	-	-	\checkmark	\checkmark
3	High Cycle Battery	High	-	-	\checkmark	\checkmark	-	-	\checkmark
4	Swappable Battery	Box 🕈	-	-	\checkmark	-	-	\checkmark	\checkmark
5	Small Wheels		\checkmark	\checkmark	\checkmark	-	\checkmark	\checkmark	\checkmark
6	Master & Slaves		\checkmark	\checkmark	\checkmark	-	-	\checkmark	\checkmark
7	X by Wire	CAN bus	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	-	\checkmark
	Description		Lower initial Investment	Lower Energy consumption in journey	Higher Safety for Driver	Lower Time for journey or charging	Higher Comfort for Driver	Lower Cost/ km	Lower Maintenance cost or time

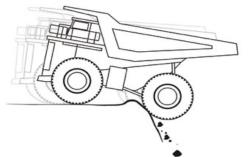
Operation, Challenges

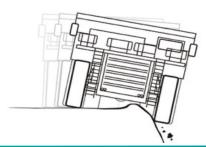












Operation, Loading

2- Master Disconnection

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toLoad Wait

4- Loading

P. Wait toload

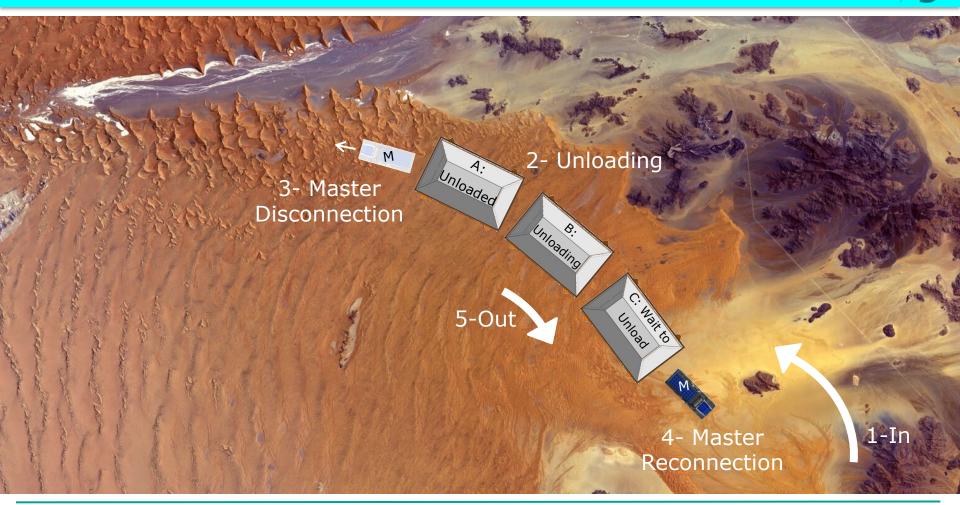
> 3- Master Reconnection

> > 5-Out

Loading

-In

Operation, Unloading



Specs, eMotor





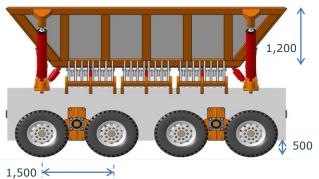
Specs, Power

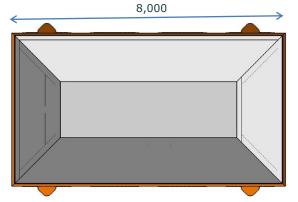


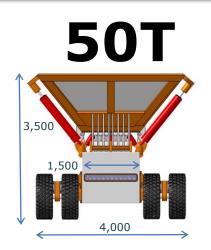
		Channel H	2x750 mm				
Lithium Box	Lead Box	Diesel Bo	ох	Pneuma	tic Box	Hydrauli	c Box
Box Energy 72 kWh	Box Energy 32 kWh	Box Power	166 kW	Box Power	10 kW	Box Power	50 kW
Box Voltage 500 VDC	Box Voltage 500 VDC	Box Voltage 4	00 V3Ph	Box Voltage	400 V3Ph	Box Voltage	400 V3Ph
Box Length 500 mm	Box Length 500 mm	Box Length 3	000 mm	Box Length	750 mm	Box Length	750 mm
Box Weight 450 kg	Box Weight 920 kg	Box Weight	1340 kg	Box Weight	230 kg	Box Weight	620 kg
Pack # 28	Pack # 42	Diesel Type ON	M355 EU2	Air Delivery	1500 L/min	Oil Delivery	200 L/min
Nor. Charge 5 Hours	Nor. Charge 5 Hours	0% Grade	30 lit/h	Air Capacity	300 lit	Oil Capacity	200 lit
Fast Charge 2 Hours	Fast Charge 2 Hours	15% Grade	170 lit/h	Air Pressure	8 Bar	Oil Pressure	200 Bar

Specs, General









Suspension				
Туре	Walking Beam			
Bearings	Flanged Bearing			
Tire	Off 425/65R22.5			
Steering	Tank Turning			
Turning C	16.0 m			

Performance				
Max. Grade	15% Loaded			
Grade Speed	10 km/h			
Max. Speed	40 km/h			
Brake System	Air Brake			
Brake Type	Disk			

Bucket				
Cover	Wear Plate			
Material	HTSS			
Bottom Thickn.	16 mm			
Sides Thickn.	12 mm			
Heating	Optional			