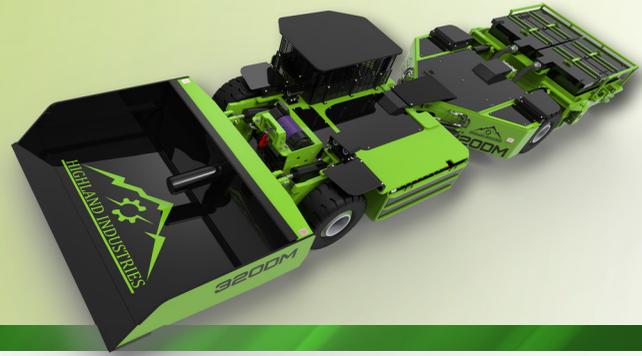




320DM DUAL TRAM BATTERY POWERED SCOOP



Specifications:

Electrical:

Input Voltages:

- 128VDC OR 240VDC

Traction:

- AC VFD mine duty, 2 x 55 kW MSHA approved explosion proof
 - Optional AC VFD mine duty, 2 x 80 kW MSHA approved explosion proof
 - 128VDC Q drive 2 x 50 Hp MSHA approved explosion proof
- (Both systems offer infinitely variable speed control through the complete speed range (NO STEPS))

Pump:

- AC VFD. 18 kW (continuous)
- DC 14 Hp (continuous)

Lights:

- LED
- Halogen

(Both options available with colored direction and position lights)

Audible / Safety:

- Flashing and or rotating beacons
- Horns
- Direction sirens
- Cameras

Proximity Detection:

- Customer specified proximity detection can be married to either drive package to slow the vehicle, stop the vehicle, and or remove power from the vehicle.



Mechanical:

Traction:

- Full time 4 wheel drive with planetary differential increasing component longevity and overall steerability
- John Deere 1400 series planetary gear axles
- Lube for life drive lines
- Traction reducer with integrated wet brake

Steering and Articulation:

- 40 degrees of turn either side
- High pressure welded steering cylinders
- Heavy duty ball bearing center sections
- Hardened steel pin
- Upper and lower spherical bearings

Hydraulic:

- Pump
- Proven two section gear type pump
- Optional high output variable displacement pump/gear pump
- High pressure welded steering, battery lift and bucket lift cylinders

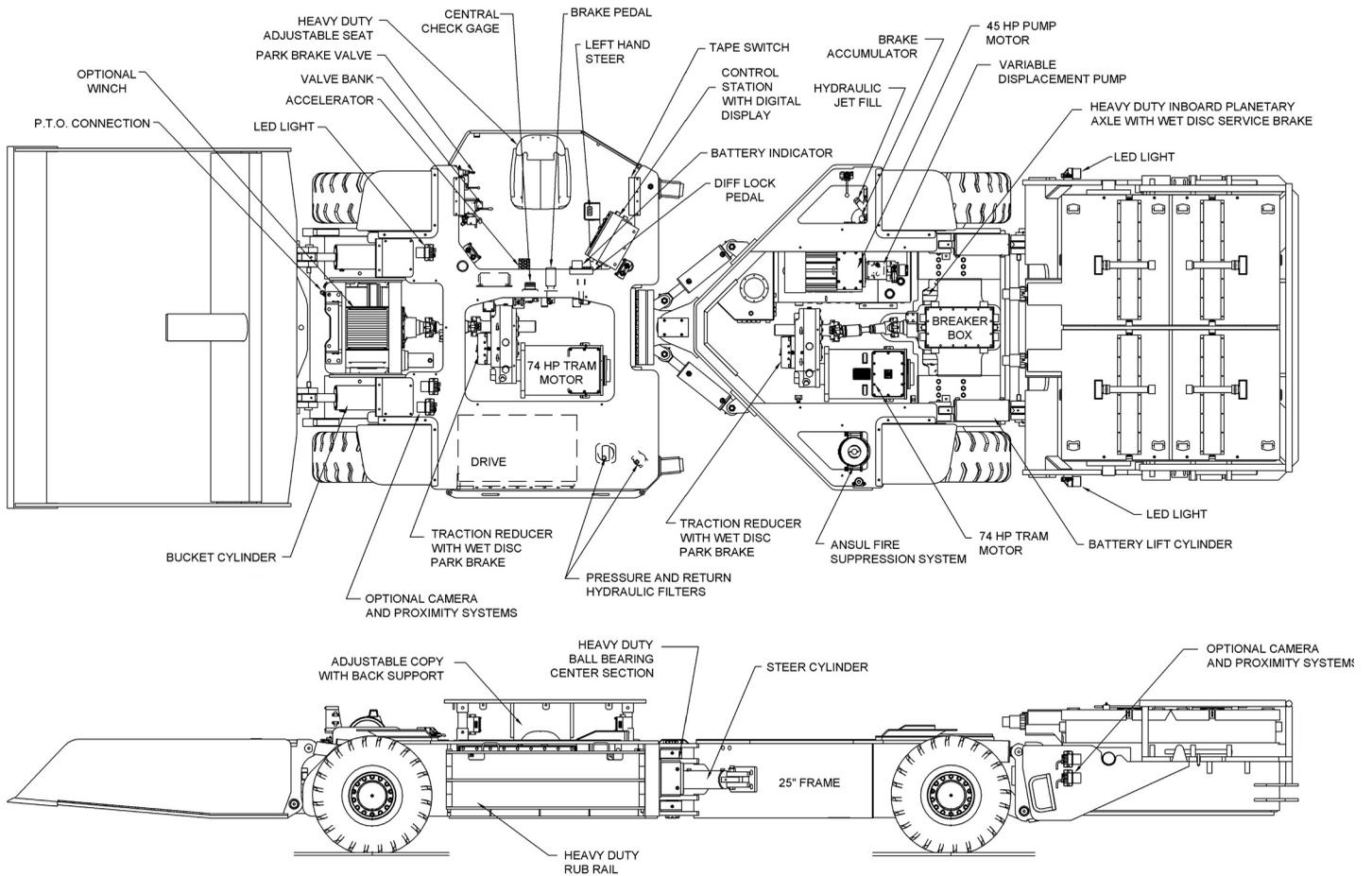
Brakes:

- Spring applied hydraulic released wet multidisc park brake
- Hydraulic applied wet multidisc service brake

Chassis:

- Fabricate from structural grade steel with reinforcements in high stress areas with a 2 year warranty on the frame
- Designed to meet the high stress demands of the mining environment
- Custom designs customer specific options available
- Optional deck extension to provide more room and better visibility in lower seams

Highland offers the latest updates and custom modifications to meet your mining requirements.



Dimensions

- Overall Length 34 ft. - 2 in. (Including Bucket)
- Machine Width 9 ft. - 7 in.
- Frame Height 25 in.
- Ground Clearance 11 in. (38" Tires)
- Steering Angle 80° Total
- Approx. Machine Weight 70,000 lb. (Including Batteries)
- Maximum Payload 61,000 lb.
- Maximum Breakout Load 32,000 lb.
- Bucket Capacity 140 cu ft

Specifications

- Tram Motors 55 or 80 kW AC / 50 Hp DC
- Pump Motor 18 kW AC / 14 Hp DC
- Battery 240 Volt or 128 Volt Lead Acid
6 Hour Run Time, 6 Hour Charge

Tire Options

- 35x15-15 Tires (Customer Specified Brand and Fill)
- 38x16-15 Tires (Customer Specified Brand and Fill)
- 44x18-20 Tires (Customer Specified Brand and Fill)



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