

524 Haul Unit



Part No. F10325F00 (Standard), F16900F00 (Extended)

- **Battery Powered Haul Unit With Removable Battery Pack •**
- **Haul System for 36” Minimum ID Tunnel Size •**



524 Haul Unit Shown
With 420 Dirt Bucket

FEATURES

- The 524 Haul Unit transports the spoils from the Tunnel Boring Machine back to launch shaft.
- Equipped with a hydraulic hand brake and an electric release brake on controller.
- Removable battery pack allows operator to keep a spare, fully charged battery in reserve to minimize down time.
- Two frame options for 60” (standard frame) or 90” (extended frame) dirt bucket sizes.
- Convenient charging plug for recharging battery while battery pack is in haul unit.
- Integral electric motor gear box assembly.
- Pendant type controller with propulsion controls.

SPECIFICATIONS

Dimensions:

Width	31 in. (787 mm)
Length:	
Standard	128.5 in. (3,264 mm)
Extended	158.75 in. (4,032 mm)
Weight (w/battery pack)	950 lbs. (431 kg)
Wheel Base	93.2 in. (2,367 mm)
Drive Wheels	Two, 5.5” Diameter
Electrical Horsepower	5 HP (3.7 kW)
Battery Pack	
Weight	250 lbs. (113 kg)
Voltage	24 VDC
Propel	Forward, Reverse
Drive Type	Electric Driven
Brake	
Electric	Spring applied, electric release
Torque (static)	10.5 lb. ft. (14 N·m)
Hand Brake	Caliper Disc

Speed

Feet per minute	500 (152 m/min)
Miles Per Hour	0 - 4 mph (0 - 6.4 Km/h)
Gear Box Oil Capacity	5 qt. (4.7 L)
Gross Vehicle Weight	8,200 lbs. (3,719 kg)
Operating Grade (Maximum)	
Unloaded	5%
Loaded	2.5%
Volumetric Capacity (Max.) ..	2 cu yd (1.5 cu m)
Pipe Size (Minimum)	36” (914 mm) ID
Track	
Track Gage**	11.13 in. (283 mm)
Base	14.13 in. (359 mm)
Height	3.75 in. (95 mm)
Length	8 ft (2.4 m)



Integral 24 Volt Electric Motor Gear Box Assembly



Hydraulic Hand Brake



Pendant type controller with propulsion controls and an electric release brake switch.



Removable Battery Pack



On-Board Charging Plug



Brake Assembly

Akkerman Inc. reserves the right to improve its product without notice or obligation.