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## **Model 660E**

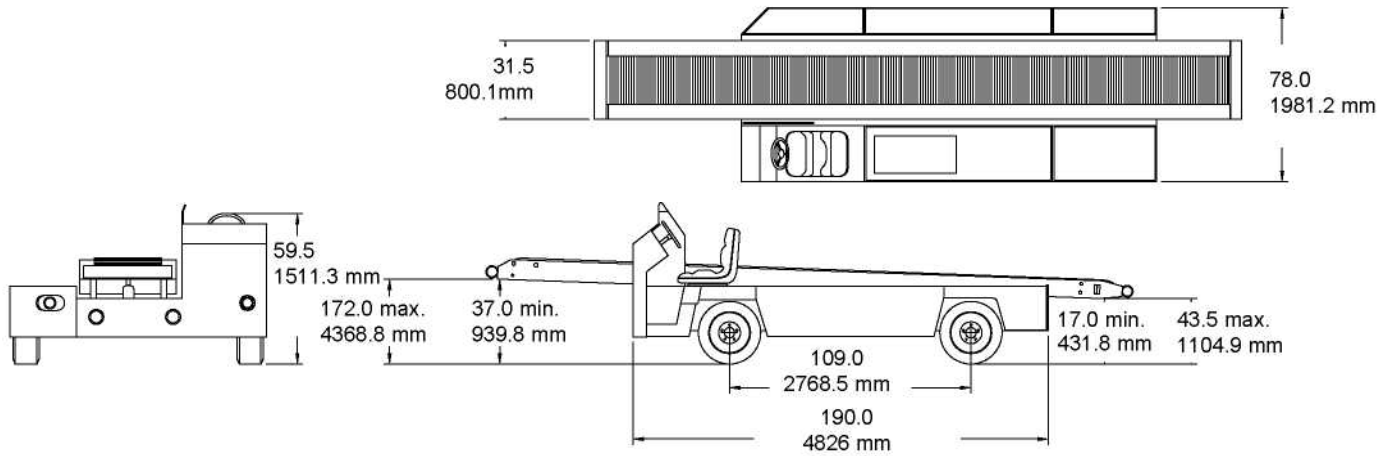
### **Mobile Electric Belt Loader**

TUG has taken the rugged durability, versatility and performance which characterizes our traditional 660 belt loader and tailored it specifically for today's environmentally conscious users. The 660E eliminates the emissions associated with traditional internal combustion engines thereby reducing the environmental impact of equipment operation. The 660E features systems that are entirely compatible with the 660 series. The drive and steer axles, brake systems, steering system and most accessories are the same as those utilized on gasoline and diesel powered models. This enables the 660E to be easily integrated into existing 660 fleets by standardizing and streamlining spare parts support and maintenance. Vehicle operation of the 660E is identical to that of the standard 660 making transition from one vehicle to another smooth and safe for operators.



#### *Standard features include:*

- Recessed headlights
- Combination tail and stop lights
- Back-up lights
- All hydraulic hoses rated at 2250 psi
- Non-slip surface on fenders
- Non-slip surface on brake pedal
- Adjustable over-center park brake lever
- Conveyor lifting emergency pump
- Front, rear and side reflectors



## Specifications

## Model 660E Electric Belt Loader

### Dimensions

Length .....	300" (7620 mm)
Width excluding side bumpers .....	78" (1981.2 mm)
Height .....	59.5" (1498.6 mm)
Wheelbase .....	109" (2794.0 mm)
Conveyor length less front bumper .....	294" (7467.6 mm)
Conveyor width less guide rails .....	34" (863.6 mm)
Conveyor capacity at full incline .....	1000 lb (453 kg)
At 17° or less elevation .....	2000 lb (907 kg)
Belt width .....	24" (609.6 mm)
Door sill compatibility .....	40 to 170" (1016.0 to 4318.0 mm)
Conveyor speed .....	10-90 fpm (3.1 to 27.4 mpm)
Gross vehicle weight .....	6680 lb (3030.0 kg)

### Electrical Component Information

Motor ..... 72/80-volt DC traction motor, high torque capacity with series wound coils. Large brushes and commutator protect against heavy overload conditions. Motor enclosed in a splash-proof casing.

Controls ..Sevcon Power Pal Mosfet controls with a 12-volt DC converter to power standard automotive accessories.

Battery..... Powered by a 72/80-volt DC battery. Battery not included.

Emergency pump ..... A hand-operated pump is provided to raise or lower the conveyor in case of lost power.

### Drive Axle

Type.....	Dana 60 Series limited slip differential
Gear ratio .....	7.17:1
Suspension .....	Solid mount
Capacity.....	6000 lb (2721.1 kg)

### Drive Shaft

Type..... Double universal, sliding spline coupling connecting reducer to drive axle.

### Brakes

System .....	Dual split system with hydraulic assist
Front .....	Disc
Rear .....	Drum
Parking .....	Lever operated, drum type

### Steering System

Type..... Orbitrol-operated hydraulic cylinder (hydrostatic steering)

### Hydraulic System

72/80-V electric motor-powered pump	
System Pressure .....	1500 psi max
Filter .....	Return line with element condition indicator
Conveyor.....	Hydraulic belt drive and conveyor lift/lower.

### Suspension

Front .....	Solid mount
Rear.....	Solid mount

### Instruments

Dash Battery discharge, hour meter and fault indicator.

### Partial List of Options

Extended belt length  
Guard rails  
Adjustable spot light  
Narrow conveyor width for Boeing 777  
Compatibility—31.5" (800.1 mm)  
Emergency belt stop  
Others available upon request



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