MACNEILL ENGINEERING LIMITED
MATERIAL HANDLING DIVISION

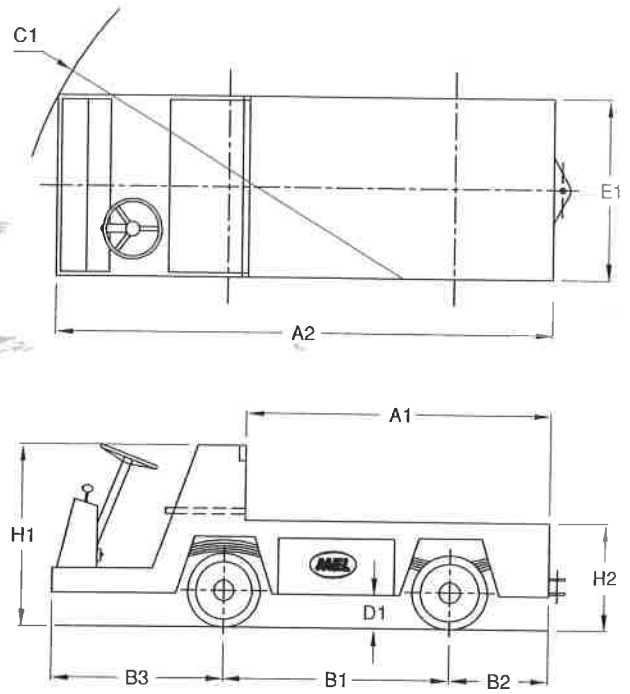
DOCUMENT: SPECIFICATION
TECHNICAL SPECIFICATION SHEET

CODE : S4/2/TL2140E3 (d2)
RELEASED IN : 1213

SPECIFICATIONS TRANSLOADER 2140

	Model TRANSLOADER - 2140		
	Capacity (Uniformly distributed)	4000	Kg.
A1	Platform length	2665	mm.
A2	Overall length	3865	mm.
B1	Wheel Base	1900	mm.
B2	Rear Overhang	760	mm.
B3	Front Overhang	1205	mm.
C1	Turning Radius	4000	mm.
D1	Underclearance (Without load)	220	mm.
E1	Platform Width	1220	mm.
H1	Overall Height	1280	mm.
H2	Platform Height (Without load)	795	mm.
	Travel speed - unladen	9 to 11	kph.
	Travel speed - laden	7 to 9	kph.
	Draw Bar Pull	300	Kg.
	Service Weight	2300	Kg.
	Negotiable Gradient	1 : 10	
	Tyre : - Cushioned Solid Rubber		
	Front Wheel (2 Nos.)	Ø559 x 152	mm.
	Rear Wheel (2 Nos.)	Ø559 x 152	mm.
	Battery Voltage	48	Volts.
	Capacity at 5 Hr. rate	320	A.H.
	Motor Voltage	48	Volts
	Motor Capacity	10	H.P.

Type FIXED



All dimensions and performance data given in this leaflet may vary by ±12% due to manufacturing tolerances. Performance may also be affected by operating conditions, the inclusion of ancillary equipment, and alternative specifications variations. Continuous improvement in our products may result in changes in this specifications without notice.

POWERED PLATFORM TRUCK - BATTERY OPERATED

CHASSIS :
A robust fabrication of steel plates and structural steel members constitute the rigid chassis. It is designed to carry a load 4000 kg. with adequate factor of safety.

TRANSMISSION :
A generously rated variable speed series motor with class F insulation.

The drive wheels are driven via a short shaft with universal sliding couplings and double reduction gears housed in the main differential. It has fully floating axle with taper roller bearing throughout.

STEERING:
The steering arrangement permits steering efforts to be kept to a minimum. A split drag link system operates the track rods providing a wide angle of lock and high degree of maneuverability. Axle beam, centrally pivoted and mounted on rubber bushes allows the wheels to remain in contact with the ground over uneven surface.

SPRING SHOCK ABSORBER SYSTEM :
The Chassis rests on a Spring Shock Absorber System for lesser load shock to be transmitted on the driver as well as on the load carried.

BRAKES :
The brake comprises of two internal expanding shoes mounted on the rear axle, with parking brake facility.

ELECTRICALS :
State of the art solid state electronic controls provides stepless smooth acceleration with high speeds for better work output. The design permits fast acceleration which enables the truck to give more work output per hour.

CONTROLS :
The hand brake is positioned by the left hand. The accelerator and brake pedals are conveniently positioned for foot operation.

SPECIAL FEATURES :
* Electronic Controls.
* Low voltage protection of battery.
* High power traction motor.
* Fast acceleration.
* Large size wheels.

OPTIONAL FEATURES :
* Front and Rear Light.
* Battery condition meter.
* Hour meter.