MPE060–080VG
HEAVY DUTY END RIDERS

Yale® motorized hand trucks incorporate the latest state-of-the-art technology and ergonomic design, making Yale a leader in walkie/rider applications.

Controls
Travel direction and speed are selected by rotating the actuator in the desired direction of travel. The rotary actuator provides multiple grip positions minimizing operator fatigue. The stationary portion of the hand rail minimizes wrist movement and provides a solid grip while maneuvering the truck. The top-mounted handle optimizes operator comfort in the ride position.

Lift, lower, and horn pushbuttons are conveniently located on the control handle and hand rail to enable use in the walk or ride position.

The Traction Reversing Switch located on top of the handle provides a large area of contact for the operator. When the operator makes contact with the switch the truck simultaneously reverses direction and sounds the horn.

Optional cast aluminum control handle provides full rotary grip traction control. The handle electronics utilize solid state hall effect sensors.

Optional Electronic Power Assist Steer helps the operator to easily maneuver the truck with heavy loads through congested loading areas. The amount of assist varies based upon steer angle and truck travel speed.

Optional Smart Coast Control with Pick Assist allows the operator to move the truck forward without having to re-mount the truck and lower the steer handle each time, saving valuable time during pick operations. Single touch coast control can be energized when truck travel speed is at or below 4 mph.

Operator's Compartment
The ergonomically designed padded hand rail and large platform enable operation from either side. The top-mounted handle and hand rail buttons provide intuitive control of travel, steering, lift/lower and the horn. The soft touch hand rail provides a place for the operator to grab when stepping on to the platform as well as providing stability when driving the truck. The auxiliary controls located on the hand rail are designed to minimize movement of the hand to actuate the various functions. This design adds to operator stance stability.

A thick removable cushioned floor mat absorbs road shock and reduces operator fatigue.

Electrical System
The electrical system utilizes AC drive technology designed for exceptional performance. High starting torque and smooth acceleration are benefits of this technology. A speed sensor built into the motor provides feedback to the control system, allowing motor speed and direction to be continuously monitored. The MPE provides industry leading acceleration and a top speed up to 9 mph.

CANbus Communication
CANbus technology streamlines communications between truck systems. The control handle, controller, display and optional power assist steer communicate via the CANbus network. CANbus reduces wiring and electrical connections.

A Thermal Management System continuously monitors traction motor and motor controller temperatures. If necessary, the system gradually adjusts performance to protect truck systems.

AC Traction System
The traction system consists of the traction motor, gearbox and brake. The innovative gearbox design incorporates maintenance-free permanently lubricated steer bearings. A stationary mounted traction motor eliminates power cable tension and flex. Quiet integrated motor pinion and support bearings optimize gear mesh, while a splined coupling allows for quick removal and installation of the traction motor.

The electrically released/mechanically applied brake is mounted on the top of the traction motor for ease of inspection and service.

The **drive axle string guard** minimizes axle seal damage from shrink-wrap, banding, etc.

The on-board software allows certified personnel access to programming, test and diagnostic functions without the need of a handset or special tools. More in-depth programming can be performed by the servicing dealer using a PC service tool. Certified technicians can customize the performance of the truck to meet the customer's particular application. The truck features four operator selectable modes and two master level performance settings.

Hydraulic Components
The high performance transistorized controlled hydraulic system is designed for high cycle, multi-shift operations. The hydraulic pump and motor assembly provides high torque and low noise. The translucent tank provides quick and easy inspection of hydraulic oil level.

Heavy Duty Forks and Frame
The heavy-duty cycle components are designed for multi-shift applications and low operating costs. The wide cast steel lift cylinder support evenly distributes stresses from heavy pallets. The boxed-in forks and reinforced fork tips are designed for maximum rigidity and minimal fork flex. Heavy duty castings relieve stress at critical pivot points.

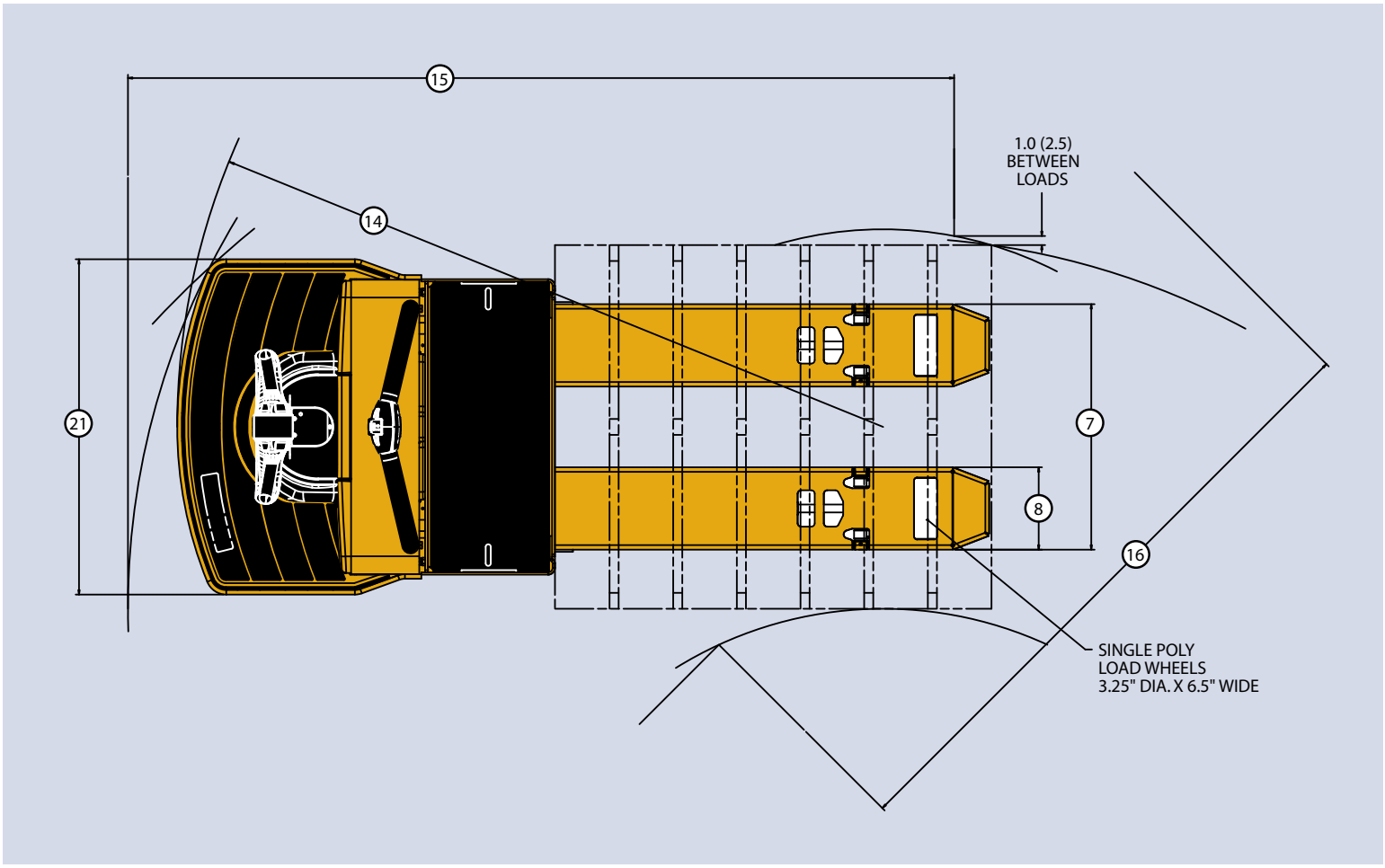
Heavy Duty Linkage
Hardened flag linkage pins are bolt retained for ease of serviceability and low cost of operation. Heavy duty pull rods with center welded threaded insert provide ease of adjustment and shock absorption. All pivot points have "X" groove style bushings and are greasable. Critical linkage components are made from durable cast material for maximum durability and lowest cost of operations. Advanced lift geometry reduces pivot point stress points.

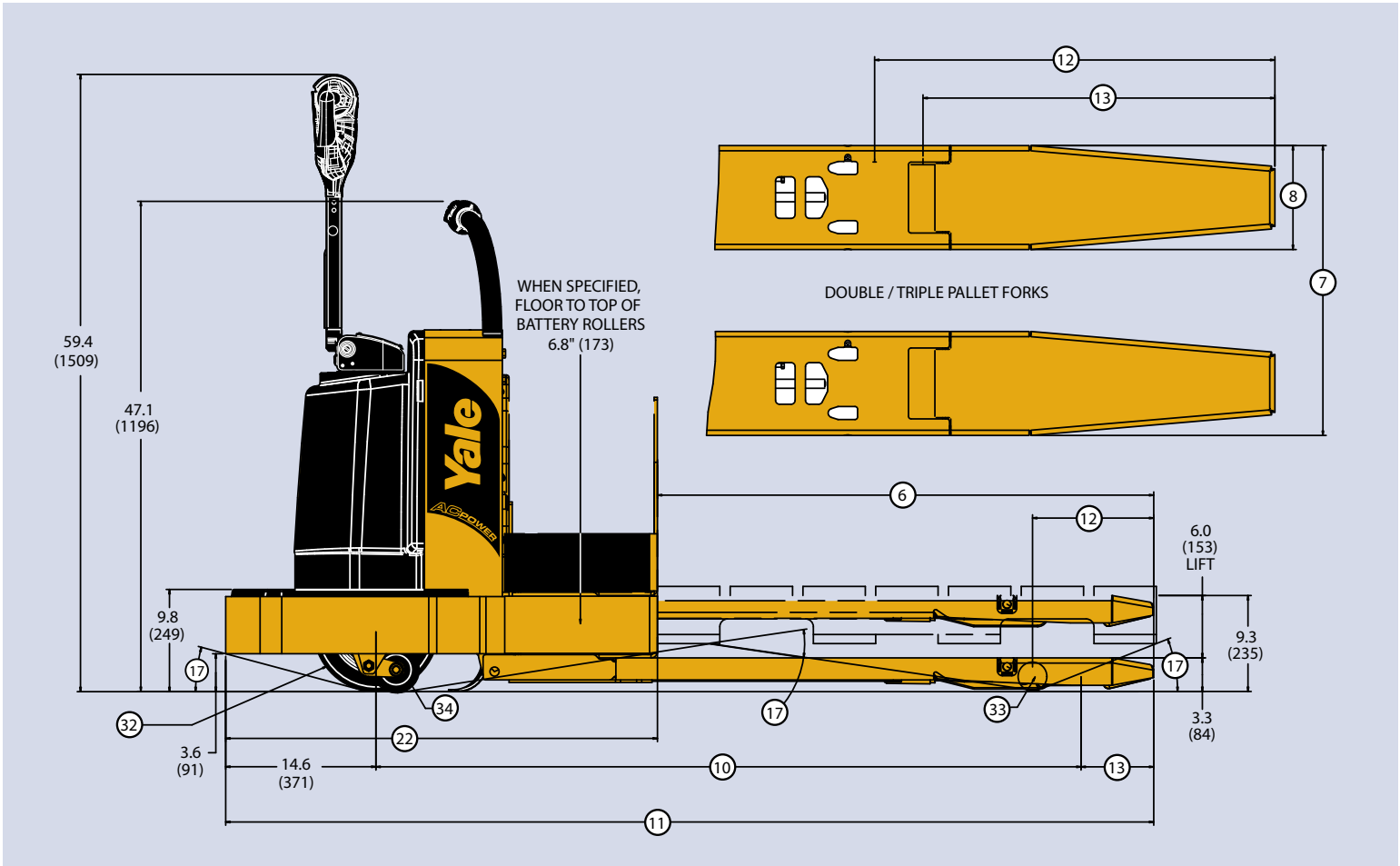
Pallet Entry and Exit
The standard fork tip utilizes a carburized steel blade to hold down and climb pallet bottom boards for easy entry. The extended length exit runners coupled with large exit rollers provides for a smooth transition out of pallets.

Drive Tire and Stability Casters
A simple 5-bolt pattern retains the drive wheel assembly to the axle hub. The Heavy Duty Quick Adjust Casters are Urethane block loaded (optional on MPE060VG, standard on MPE080VG). Its unique sloped profile is designed to glide over impact areas. The HD caster is greasable and rebuildable.

Truck shown with optional equipment.

Yale® People. Products. Productivity.





Circled dimensions correspond to the line numbers on the tabulated chart inside the spec sheet. Dimensions are in inches (millimeters).

GENERAL	1	Manufacturer			Yale	Yale	Yale	Yale
	2	Model Designation			MPE060VG	MPE060VG	MPE060VG	MPE060VG
	3	Power Type			24 Volt	24 Volt	24 Volt	24 Volt
	4	Operator Type			Stand Ride	Stand Ride	Stand Ride	Stand Ride
	5	Rated Capacity		lb. (kg)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)
	6	Fork Length	Nominal	in. (mm)	36 (914)	42 (1067)	48 (1219)	54 (1372)
			Actual	in. (mm)	36 (908)	42 (1060)	48 (1213)	54 (1365)
	7	Fork Overall Width		in. (mm)	27 (688)	27 (688)	27 (688)	27 (688)
	8	Fork Width	Individual Fork	in. (mm)	9 (232)	9 (232)	9 (232)	9 (232)
	9	Load Distance (Face of Forks to Center of Load Wheels)		in. (mm)	8 (201)	8 (201)	8 (201)	8 (201)
DIMENSIONS	10	Wheelbase	Raised	in. (mm)	51.3 (1303)	57.3 (1455)	63.3 (1608)	69.3 (1760)
			Lowered	in. (mm)	55.1 (1400)	61.1 (1552)	67.1 (1705)	73.1 (1857)
	11	Overall Length		in. (mm)	77.7 (1974)	83.7 (2126)	89.7 (2279)	95.7 (2431)
	12	Center of Load Wheel to Tip of Forks	Raised	in. (mm)	12.5 (317)	12.5 (317)	12.5 (317)	12.5 (317)
	13		Lowered	in. (mm)	8.1 (206)	8.1 (206)	8.1 (206)	8.1 (206)
	14	Outside Turning Radius	Raised	in. (mm)	65.7 (1670)	71.8 (1823)	77.8 (1976)	83.8 (2128)
			Lowered	in. (mm)	69.6 (1767)	75.6 (1920)	81.6 (2072)	87.6 (2225)
	15	Right Angle Stack	Raised	in. (mm)	81.3 (2064)	86.5 (2196)	91.8 (2331)	97.2 (2468)
	16	Equal Intersecting Aisle	Raised	in. (mm)	63.0 (1599)	66.0 (1677)	69.2 (1757)	72.3 (1836)
	17	Grade Clearance	Chassis	%	26	26	26	26
			Center of Wheelbase	%	38	34	30	28
			Forks	%	38	38	38	38
	18	Overall Lift Height	Top of Forks	in. (mm)	9.3 (235)	9.3 (235)	9.3 (235)	9.3 (235)
	19	Lowered Height	Top of Forks	in. (mm)	3.3 (84)	3.3 (84)	3.3 (84)	3.3 (84)
	20	Total Lift		in. (mm)	6.0 (153)	6.0 (153)	6.0 (153)	6.0 (153)
	21	Truck Overall Width		in. (mm)	36.9 (937)	36.9 (937)	36.9 (937)	36.9 (937)
	22	Chassis Length		in. (mm)	42.0 (1066)	42.0 (1066)	42.0 (1066)	42.0 (1066)
	23	Battery Compartment (Standard / With Battery Rollers)			32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)
PERFORMANCE	24	Max. Travel Speed - Chassis First	No Load / Rated Load	mph (kph)	9.0 / 6.7 (14.5 / 10.8)	9.0 / 6.7 (14.5 / 10.8)	9.0 / 6.7 (14.5 / 10.8)	9.0 / 6.7 (14.5 / 10.8)
	25	Max. Travel Speed - Forks First	No Load / Rated Load	mph (kph)	6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)
	26	Number of Speeds			Infinitely Variable	Infinitely Variable	Infinitely Variable	Infinitely Variable
	27	Traction Motor Control Method	Type		AC Transistor	AC Transistor	AC Transistor	AC Transistor
	28	Service Brake	Type		Electro-Mechanical	Electro-Mechanical	Electro-Mechanical	Electro-Mechanical
WT.	29	Truck Weight (approx.) w/o Battery	No Load / Rated Load	lb. (kg)	1378.0 / 7379.0 (625.0 / 3347.0)	1429.0 / 7430.0 (648.0 / 3370.0)	1473.0 / 7474.0 (668.0 / 3390.0)	1519.0 / 7520.0 (689.0 / 3411.0)
	30	Axle Loading - Drive: Static with Maximum Wt. Battery (No Load)		lb. (kg)	1731 (785)	1823 (827)	1903 (863)	1997 (906)
	31	Axle Loading - Load Wheel: Static w/Maximum Wt. Battery (No Load)		lb. (kg)	798 (362)	750 (340)	714 (324)	666 (302)
WHEELS	32	Drive Tire: Size / Type (Number of Wheels)		in.	10.0 x 5.0 x 6.5 / Polyurethane (1)	10.0 x 5.0 x 6.5 / Polyurethane (1)	10.0 x 5.0 x 6.5 / Polyurethane (1)	10.0 x 5.0 x 6.5 / Polyurethane (1)
	33	Load Wheel: Size / Type (Number of Wheels) (# of Bearings)		in.	3.25" x 6.5" / Polyurethane (2) (2)	3.25" x 6.5" / Polyurethane (2) (2)	3.25" x 6.5" / Polyurethane (2) (2)	3.25" x 6.5" / Polyurethane (2) (2)
	34	Caster Wheel: Size / Type (Number of Wheels) Caster Type		in.	4.0' x 2.5" / Polyurethane (2) Spring Loaded	4.0' x 2.5" / Polyurethane (2) Spring Loaded	4.0' x 2.5" / Polyurethane (2) Spring Loaded	4.0' x 2.5" / Polyurethane (2) Spring Loaded
BATTERY	35	Type			Lead Acid	Lead Acid	Lead Acid	Lead Acid
	36	Ampere Hours - Maximum		ah	600	600	600	600
	37	Ampere Hours - Minimum		ah	225	225	225	225
	38	Maximum Weight		lb. (kg)	1140 (517)	1140 (517)	1140 (517)	1140 (517)
	39	Minimum Weight		lb. (kg)	540 (245)	540 (245)	540 (245)	540 (245)

Above specifications, unless otherwise listed, are for a standard truck without optional equipment.
Right Angle Stack and Equal Intersecting Aisle are calculated using a 40" wide pallet.
Grade Clearance measured to the bottom of the pallet with forks in a raised position.

Yale	Yale	Yale	Yale	Yale	Yale	Yale
MPE060VG	MPE060VG	MPE060VG	MPE060VG	MPE060VG	MPE080VG	MPE080VG
24 Volt	24 Volt	24 Volt	24 Volt	24 Volt	24 Volt	24 Volt
Stand Ride	Stand Ride	Stand Ride	Stand Ride	Stand Ride	Stand Ride	Stand Ride
6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	8000 (3629)	8000 (3629)
60 (1524)	96 (2438)	84 (2134)	93 (2362)	96 (2438)	36 (914)	42 (1067)
60 (1518)	96 (2432)	84 (2126)	93 (2356)	96 (2432)	36 (908)	42 (1060)
27 (688)	27 (688)	28 (710)	28 (710)	28 (710)	27 (688)	27 (688)
9 (232)	9 (232)	10 (254)	10 (254)	10 (254)	9 (232)	9 (232)
8 (201)	8 (201)	61 (1539)	61 (1543)	61 (1540)	8 (200)	8 (200)
75.3 (1913)	111.3 (2827)	84.3 (2141)	84.3 (2141)	84.3 (2141)	51.3 (1303)	57.3 (1455)
79.1 (2010)	115.1 (2924)	88.1 (2238)	88.1 (2238)	88.1 (2238)	55.1 (1400)	61.1 (1552)
101.7 (2584)	137.7 (3498)	125.7 (3193)	134.7 (3422)	137.7 (3498)	77.7 (1974)	83.7 (2126)
12.5 (317)	12.5 (317)	26.9 (684)	35.8 (910)	38.9 (989)	12.5 (317)	12.5 (317)
8.1 (206)	8.1 (206)	23.1 (587)	32.0 (813)	35.1 (892)	8.1 (206)	8.1 (206)
89.8 (2281)	125.8 (3195)	98.8 (2509)	98.8 (2509)	98.8 (2509)	65.7 (1670)	71.8 (1823)
93.6 (2377)	109.2 (2774)	102.6 (2605)	102.6 (2605)	102.6 (2605)	69.6 (1767)	75.6 (1920)
102.7 (2608)	136.6 (3469)	128.3 (3259)	137.7 (3498)	140.8 (3577)	81.3 (2064)	86.5 (2196)
75.4 (1916)	94.4 (2397)	81.0 (2057)	81.9 (2079)	82.2 (2088)	63.0 (1599)	66.0 (1677)
26	26	26	26	26	26	26
26	26	24	24	24	38	34
38	38	17	13	12	38	38
9.3 (235)	9.3 (235)	9.3 (235)	9.3 (235)	9.3 (235)	9.3 (235)	9.3 (235)
3.3 (84)	3.3 (84)	3.3 (84)	3.3 (84)	3.3 (84)	3.3 (84)	3.3 (84)
6.0 (153)	6.0 (153)	6.0 (153)	6.0 (153)	6.0 (153)	6.0 (153)	6.0 (153)
36.9 (937)	36.9 (937)	36.9 (937)	36.9 (937)	36.9 (937)	36.9 (937)	36.9 (937)
42.0 (1066)	42.0 (1066)	42.0 (1066)	42.0 (1066)	42.0 (1066)	42.0 (1066)	42.0 (1066)
32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)
9.0 / 6.7 (14.5 / 10.8)	9.0 / 6.7 (14.5 / 10.8)	9.0 / 6.7 (14.5 / 10.8)	9.0 / 6.7 (14.5 / 10.8)	9.0 / 6.7 (14.5 / 10.8)	9.0 / 6.0 (14.5 / 9.7)	9.0 / 6.0 (14.5 / 9.7)
6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)
Infinitely Variable	Infinitely Variable	Infinitely Variable	Infinitely Variable	Infinitely Variable	Infinitely Variable	Infinitely Variable
AC Transistor	AC Transistor	AC Transistor	AC Transistor	AC Transistor	AC Transistor	AC Transistor
Electro-Mechanical	Electro-Mechanical	Electro-Mechanical	Electro-Mechanical	Electro-Mechanical	Electro-Mechanical	Electro-Mechanical
1563.0 / 7564.0 (709.0 / 3431.0)	1887.0 / 7888.0 (856.0 / 3578.0)	1682.0 / 7683.0 (763.0 / 3485.0)	1737.0 / 7738.0 (788.0 / 3510.0)	1768.0 / 7769.0 (802.0 / 3524.0)	1400.0 / 9401.0 (635.0 / 4264.0)	1451.0 / 9451.0 (658.0 / 4287.0)
2090 (948)	2679 (1215)	2196 (996)	2249 (1020)	2295 (1041)	1814 (823)	1834 (832)
617 (280)	353 (160)	628 (285)	631 (286)	617 (280)	732 (332)	754 (342)
10.0 x 5.0 x 6.5 / Polyurethane (1)	10.0 x 5.0 x 6.5 / Polyurethane (1)	10.0 x 5.0 x 6.5 / Polyurethane (1)	10.0 x 5.0 x 6.5 / Polyurethane (1)	10.0 x 5.0 x 6.5 / Polyurethane (1)	12.0 x 4.5 x 8.0 / Polyurethane (1)	12.0 x 4.5 x 8.0 / Polyurethane (1)
3.25" x 6.5" / Polyurethane (2) (2)	3.25" x 6.5" / Polyurethane (2) (2)	3.25" x 6.5" / Polyurethane (2) (2)	3.25" x 6.5" / Polyurethane (2) (2)	3.25" x 6.5" / Polyurethane (2) (2)	3.25" x 6.5" / Polyurethane (2) (4)	3.25" x 6.5" / Polyurethane (2) (4)
4.0' x 2.5" / Polyurethane (2) Spring Loaded	4.0' x 2.5" / Polyurethane (2) Spring Loaded	4.0' x 2.5" / Polyurethane (2) Spring Loaded	4.0' x 2.5" / Polyurethane (2) Spring Loaded	4.0' x 2.5" / Polyurethane (2) Spring Loaded	4.0' x 2.5" / Polyurethane (2) Urethane Block Loaded	4.0' x 2.5" / Polyurethane (2) Urethane Block Loaded
Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid
600	600	600	600	600	750	750
225	225	225	225	225	225	225
1140 (517)	1140 (517)	1140 (517)	1140 (517)	1140 (517)	1451 (658)	1451 (658)
540 (245)	540 (245)	540 (245)	540 (245)	540 (245)	540 (245)	540 (245)

Yale	Yale	Yale	Yale	Yale	Yale	Yale	1	GENERAL
MPE080VG	MPE080VG	MPE080VG	MPE080VG	MPE080VG	MPE080VG	MPE080VG	2	
24 Volt	24 Volt	24 Volt	24 Volt	24 Volt	24 Volt	24 Volt	3	
Stand Ride	Stand Ride	Stand Ride	Stand Ride	Stand Ride	Stand Ride	Stand Ride	4	
8000 (3629)	8000 (3629)	8000 (3629)	8000 (3629)	8000 (3629)	8000 (3629)	8000 (3629)	5	
48 (1219)	54 (1372)	60 (1524)	84 (2134)	93 (2362)	96 (2438)	144 (3658)	6	
48 (1213)	54 (1365)	60 (1518)	84 (2126)	93 (2356)	96 (2432)	144 (3651)		
27 (688)	27 (688)	27 (688)	28 (710)	28 (710)	28 (710)	28 (710)	7	
9 (232)	9 (232)	9 (232)	10 (254)	10 (254)	10 (254)	10 (254)	8	
8 (200)	8 (200)	8 (200)	61 (1539)	61 (1543)	61 (1540)	109 (2759)	9	
63.3 (1608)	69.3 (1760)	75.3 (1913)	84.3 (2141)	84.3 (2141)	84.3 (2141)	132.3 (3360)	10	DIMENSIONS
67.1 (1705)	73.1 (1857)	79.1 (2010)	88.1 (2238)	88.1 (2238)	88.1 (2238)	136.1 (3457)		
89.7 (2279)	95.7 (2431)	101.7 (2584)	125.7 (3193)	134.7 (3422)	137.7 (3498)	185.7 (4717)	11	
12.5 (317)	12.5 (317)	12.5 (317)	26.9 (684)	35.8 (910)	38.9 (989)	38.9 (989)	12	
8.1 (206)	8.1 (206)	8.1 (206)	23.1 (587)	32.0 (813)	35.1 (892)	35.1 (892)	13	
77.8 (1975)	83.8 (2128)	89.8 (2280)	98.7 (2508)	98.7 (2508)	98.7 (2508)	146.8 (3728)	14	
81.6 (2072)	87.6 (2225)	93.6 (2377)	102.6 (2605)	102.6 (2605)	102.6 (2605)	150.6 (3825)		
91.8 (2331)	97.2 (2468)	102.7 (2608)	128.3 (3259)	137.7 (3498)	140.8 (3577)	186.6 (4739)	15	
69.2 (1757)	72.3 (1836)	75.4 (1916)	81.0 (2057)	81.9 (2079)	82.2 (2088)	106.9 (2716)	16	
26	26	26	26	26	26	26	17	
30	28	26	24	24	24	20		
38	38	38	17	13	12	12		
9.3 (235)	9.3 (235)	9.3 (235)	9.3 (235)	9.3 (235)	9.3 (235)	9.3 (235)	18	
3.3 (84)	3.3 (84)	3.3 (84)	3.3 (84)	3.3 (84)	3.3 (84)	3.3 (84)	19	
6.0 (153)	6.0 (153)	6.0 (153)	6.0 (153)	6.0 (153)	6.0 (153)	6.0 (153)	20	
36.9 (937)	36.9 (937)	36.9 (937)	36.9 (937)	36.9 (937)	36.9 (937)	36.9 (937)	21	
42.0 (1066)	42.0 (1066)	42.0 (1066)	42.0 (1066)	42.0 (1066)	42.0 (1066)	42.0 (1066)	22	
32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)	32.0 x 13.4 x OPEN (813 x 340 x OPEN)	23	
9.0 / 6.0 (14.5 / 9.7)	9.0 / 6.0 (14.5 / 9.7)	9.0 / 6.0 (14.5 / 9.7)	9.0 / 6.0 (14.5 / 9.7)	9.0 / 6.0 (14.5 / 9.7)	9.0 / 6.0 (14.5 / 9.7)	9.0 / 6.0 (14.5 / 9.7)	24	PERFORMANCE
6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)	6.0 / 6.0 (9.7 / 9.7)	25	
Infinitely Variable	Infinitely Variable	Infinitely Variable	Infinitely Variable	Infinitely Variable	Infinitely Variable	Infinitely Variable	26	
AC Transistor	AC Transistor	AC Transistor	AC Transistor	AC Transistor	AC Transistor	AC Transistor	27	
Electro-Mechanical	Electro-Mechanical	Electro-Mechanical	Electro-Mechanical	Electro-Mechanical	Electro-Mechanical	Electro-Mechanical	28	
1495.0 / 9495.0 (678.0 / 4307.0)	1541.0 / 9542.0 (699.0 / 4328.0)	1585.0 / 9586.0 (719.0 / 4348.0)	1704.0 / 9705.0 (773.0 / 4402.0)	1759.0 / 9760.0 (798.0 / 4427.0)	1790.0 / 9791.0 (812.0 / 4441.0)	2154.0 / 10154.0 (977.0 / 4606.0)	29	WT.
1916 (869)	2011 (912)	2103 (954)	2211 (1003)	2264 (1027)	2313 (1049)	2624 (1190)	30	
719 (326)	670 (304)	622 (282)	633 (287)	635 (288)	621 (282)	661 (300)	31	
12.0 x 4.5 x 8.0 / Polyurethane (1)	12.0 x 4.5 x 8.0 / Polyurethane (1)	12.0 x 4.5 x 8.0 / Polyurethane (1)	12.0 x 4.5 x 8.0 / Polyurethane (1)	12.0 x 4.5 x 8.0 / Polyurethane (1)	12.0 x 4.5 x 8.0 / Polyurethane (1)	12.0 x 4.5 x 8.0 / Polyurethane (1)	32	WHEELS
3.25" x 6.5" / Polyurethane (2) (4)	3.25" x 6.5" / Polyurethane (2) (4)	3.25" x 6.5" / Polyurethane (2) (4)	3.25" x 6.5" / Polyurethane (2) (4)	3.25" x 6.5" / Polyurethane (2) (4)	3.25" x 6.5" / Polyurethane (2) (4)	3.25" x 6.5" / Polyurethane (2) (4)	33	
4.0' x 2.5" / Polyurethane (2) Urethane Block Loaded	4.0' x 2.5" / Polyurethane (2) Urethane Block Loaded	4.0' x 2.5" / Polyurethane (2) Urethane Block Loaded	4.0' x 2.5" / Polyurethane (2) Urethane Block Loaded	4.0' x 2.5" / Polyurethane (2) Urethane Block Loaded	4.0' x 2.5" / Polyurethane (2) Urethane Block Loaded	4.0' x 2.5" / Polyurethane (2) Urethane Block Loaded	34	
Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid	35	BATTERY
750	750	750	750	750	750	750	36	
225	225	225	225	225	225	225	37	
1451 (658)	1451 (658)	1451 (658)	1451 (658)	1451 (658)	1451 (658)	1451 (658)	38	
540 (245)	540 (245)	540 (245)	540 (245)	540 (245)	540 (245)	540 (245)	39	

BATTERY SPECIFICATIONS

	Number of Cells	Cell Size	Plates per Cell	Capacity 6 Hour Rate	Battery Dimensions			Weight
					"X"	"Y"	"Z"	
				amp hr (kwh)	in. (mm)	in. (mm)	in. (mm)	lb. (kg)
6000 lb Model Industrial	12	75	7	225 (5.2)	25.7 (653)	8.8 (224)	23.3 (592)	540 (245)
	12	85	7	255 (6.0)	25.7 (653)	8.8 (224)	23.3 (592)	570 (259)
	12	75	11	375 (8.7)	26.5 (673)	13.0 (330)	23.3 (592)	825 (374)
	12	85	11	425 (9.9)	26.1 (663)	12.8 (325)	23.3 (592)	865 (392)
	12	75	13	450 (10.5)	30.9 (785)	13.0 (330)	23.3 (592)	987 (448)
	12	85	13	510 (11.9)	30.9 (785)	13.0 (330)	23.3 (592)	1035 (469)
	12	100	13	600 (14.0)	30.9 (785)	13.0 (330)	26.2 (665)	1140 (517)
8000 lb Model Industrial	12	75	7	225 (5.2)	25.7 (653)	8.8 (224)	23.3 (592)	540 (245)
	12	85	7	255 (6.0)	25.7 (653)	8.8 (224)	23.3 (592)	570 (259)
	12	75	11	375 (8.7)	26.5 (673)	13.0 (330)	23.3 (592)	825 (374)
	12	85	11	425 (9.9)	26.1 (663)	12.8 (325)	23.3 (592)	865 (392)
	12	75	13	450 (10.5)	30.9 (785)	13.0 (330)	23.3 (592)	987 (448)
	12	85	13	510 (11.9)	30.9 (785)	13.0 (330)	23.3 (592)	1035 (469)
	12	100	13	600 (14.0)	30.9 (785)	13.0 (330)	26.2 (665)	1140 (517)
	12	125	13	750 (17.6)	30.9 (785)	13.0 (330)	31.0 (787)	1450 (658)

Battery Connector: 175 Amp, Red
Battery Lead: Length 20" (508 mm), Position "B", 1/0 AWG

OPTIONS		MPE060VG	MPE080VG
Electronic Power Assist Steer		✓	✓
Quick Adjust Heavy Duty Casters – Sealed Wheel		✓	✓
Battery Rollers		✓	✓
Convenience Tray (Load Backrest Mounted or Battery Mounted)		✓	✓
Cast Aluminum Control Handle		✓	✓
RF Terminal Power Supply – 24 Volt, Unregulated		✓	✓
Audible Alarm		✓	✓
Visible Alarm – Pole Mounted Amber Strobe		✓	✓
Pallet Entry Rollers		✓	✓
FORK LENGTHS	36" Long Forks – Standard Tip	✓	✓
	42" Long Forks – Standard Tip	✓	✓
	54" Long Forks – Standard Tip	✓	✓
	60" Long Forks – Standard Tip	✓	✓
	84" Long Forks – Extended Tip	✓	✓
	93" Long Forks – Extended Tip	✓	✓
	96" Long Forks – Extended Tip	✓	✓
	96" Long Forks – Standard Tip	✓	
	144" Long Forks – Extended Tip		✓
DRIVE TIRE	Soft Polyurethane – 80 Durometer – 12" x 4.5"		✓
	Red Polyurethane – 85 Durometer – 12" x 4.5"		✓
	Vulkollan Polyurethane – 90 Durometer – 12 x 4.5"		✓
	Rubber – 65 Durometer – 10" x 5.0"	✓	
	Red Polyurethane – 85 Durometer – 10" x 5.0"	✓	
	Vulkollan Polyurethane – 90 Durometer – 10" x 5.0	✓	
Load Wheels – Various Options Available		✓	✓
Load Backrest:		✓	✓
	48" High (Pivoting or Bolt-on)	✓	✓
	60" High (Pivoting or Bolt-on)	✓	✓
	72" high (Bolt-on)	✓	✓
Accessories:		✓	✓
	Manual Coast Control with pick assist	✓	✓
	Smart Coast Control with pick assist	✓	✓
Application / Environmental Construction:		✓	✓
	Cooler/Freezer Package Operating Temperatures: 0° F to +120° F	✓	✓
	SubZero Freezer Package Operating Temperatures: –40° F to +120° F	✓	✓
	Wash Down Package Operating Temperatures: 0° F to +120° F	✓	✓
	Heavy Corrosion Wash Down Package Operating Temperatures: 0° F to +120° F	✓	✓
UL Classification Type "EE"		✓	✓

Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Consult your Yale® Industrial Truck Dealer if any of the information shown is critical to your application. Specifications are subject to change without notice.

This truck meets all design specifications of ANSI B56.1 Safety Standard for Powered Industrial Trucks at the time of manufacture. Classified by Underwriters' Laboratories, Inc. as to fire hazard only. The Yale products included in this document may be covered by US patent 6,684,148 and other patents pending.

Yale®
People. Products. Productivity.

Yale Materials Handling Corporation
P.O. Box 7367, Greenville, North Carolina 27835-7367

2545-1 2/11

© 2011 Yale Materials Handling Corporation. is a registered copyright of Yale Materials Handling Corporation.
YALE and VERACITOR are registered trademarks of Yale Materials Handling Corporation.
PREMIER is a trademark of Yale Materials Handling Corporation.

Manufactured in our own ISO 9001 and 14001 Registered Facilities