



# MPE 060-080VH

SPEC SHEET

End rider pallet truck  
6,000-8,000 lbs.



**GENERAL SPECIFICATIONS - MPE060VH**

GENERAL		Yale MPE060VH 24 Volt Stand ride 6000 (2722)											
1	Manufacturer	Yale											
2	Model designation	MPE060VH											
3	Power type	24 Volt											
4	Operator type	Stand ride											
5	Rated capacity	lb. (kg)	6000 (2722)										
DIMENSIONS	6	Fork length	Nominal	in. (mm)	36(914)	42(1067)	48(1219)	54(1372)	60(1524)	84(2134)	93(2362)	96(2438)	
			Actual	in. (mm)	35.7(908)	41.8(1061)	47.8(1213)	53.7(1365)	59.8(1518)	83.8(2128)	92.8(2357)	95.8(2433)	
	7	Fork overall width	in. (mm)	27.1 (688)							28.0(710)		
	8	Fork width	in. (mm)	9.1(232)							10.0(254)		
	9	Load distance (face of battery box to center of load wheels)	Raised	in. (mm)	23.3(591)	29.3(744)	35.3(896)	41.3(1048)	47.3(1201)	56.3(1430)			
			Lowered	in. (mm)	27.6(702)	33.6(854)	39.6(1007)	45.6(1159)	51.7(1312)	60.6(1540)			
	10	Wheelbase	Raised	in. (mm)	51.3(1303)	57.3(1455)	63.3(1608)	69.3(1760)	75.3(1912)	84.3(2141)			
			Lowered	in. (mm)	55.3(1400)	61.1(1552)	67.1(1705)	73.1(1857)	79.1(2010)	88.1(2238)			
	11	Overall length	Raised	in. (mm)	81.1(2061)	87.1(2213)	93.1(2366)	99.1(2518)	105.2(2671)	129.1(3280)	138.1(3509)	141.1(3538)	
			Lowered	in. (mm)	80.6(2048)	86.6(2200)	92.6(2353)	98.6(2505)	104.6(2657)	128.6(3267)	137.6(3496)	140.6(3572)	
	12	Center of load wheel to fork tips	Raised	in. (mm)	12.5(317)					27.5(698)	36.5(927)	39.5(1003)	
			Lowered	in. (mm)	8.1(206)					23.1(588)	32.2(817)	35.2(893)	
	14	Outside turning radius (Standard platform)	Raised	in. (mm)	66.7(1694)	72.7(1846)	78.7(1999)	84.7(2152)	90.7(2304)	99.7(2533)			
			Lowered	in. (mm)	70.5(1791)	76.5(1943)	76.7(1947)	88.5(2249)	94.5(2401)	103.5(2630)			
		Outside turning radius (Extended platform)	Raised	in. (mm)	68.8(1747)	74.8(1899)	80.8(2052)	86.8(2205)	92.8(2357)	101.8(2586)			
			Lowered	in. (mm)	72.6(1844)	78.6(1996)	78.7(2000)	90.6(2302)	96.6(2454)	105.6(2683)			
	15	Right angle stack (Standard platform)	Raised	in. (mm)	80.2(2037)	N/A	91.8(2332)	N/A	N/A	143.1(3636)			
			Right angle stack (Extended platform)	Raised	in. (mm)	81.6(2073)	N/A	93.8(2382)	N/A	N/A	144.9(3681)		
	16	Equal intersecting aisle (Standard platform)	Raised	in. (mm)	61.5(1563)	N/A	68.9(1750)	N/A	N/A	75.7(1924)			
			Equal intersecting aisle (Extended platform)	Raised	in. (mm)	63.0(1599)	N/A	70.3(1786)	N/A	N/A	76.8(1950)		
17	Grade clearance	Chassis	%	28									
		Center of wheelbase	%	38	34	31	30	27	22				
		Forks	%	37							17	13	12
18	Overall lift height	Top of forks	in. (mm)	9.3(235)									
19	Lowered height	Top of forks	in. (mm)	3.3(84)									
20	Total lift		in. (mm)	5.9(151)									
21	Truck overall width	Standard	in. (mm)	37.2(944)									
		Extended		38.7(984)									
22	Chassis length	Raised	in. (mm)	43.3(1100)									
		Lowered	in. (mm)	42.8(1087)									
23	Battery compartment (standard /w battery rollers)	in. (mm)	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)	9.0/6.0(14.5/9.7)								
	25	Max travel speed - forks first	No load/ rated load	mph (kph)	6.0/6.0(9.7/9.7)								
	26	Number of speeds		Infinitely variable									
	27	Traction motor control method	Type	AC Transistor									
	28	Service brake	Type	Electro-mechanical									
WEIGHT	29	Truck weight (approx w/o battery)	No load	lb. (kg)	1382(627)	1433(650)	1481(672)	1523(691)	1567(711)	1687(765)	1742(790)	1772(804)	
			Rated load	lb. (kg)	7382(3349)	7433(3372)	7481(3394)	7523(3413)	7567(3433)	7687(3487)	7742(3512)	7772(3526)	
	30	Axle loading - drive	(static, max bat., no load)	lb. (kg)	1735(787)	1828(829)	1907(865)	2002(908)	2094(950)	2200(998)	2253(1022)	2299(1043)	
31	Axle loading - load	(static, max bat., no load)	lb. (kg)	802(364)	754(342)	719(326)	670(304)	622(282)	633(287)	635(288)	622(282)		
WHEELS	32	Drive tire - size/type	(# of wheels)	in.	13.0 x 4.5 x 9.0 / polyurethane (1)								
	33	Load wheel - size/type	(# of wheels) (# of bearings)	in.	3.25" x 6.5" / polyurethane (2) (4)								
	34	Caster wheel - size/type	(# of wheels) (caster type)	in.	4.0" x 2.5" / polyurethane (2) urethane block loaded								
BATTERY	35	Type		Lead acid   Thin Plate Pure Lead*   Lithium-ion*									
	36	Ampere hours	Maximum	ah	930								
			Minimum	ah	375								
	38	Weight	Maximum	lb. (kg)	1500 (680)								
			Minimum	lb. (kg)	540 (245)								

\*Optional with Yale Power Key

**GENERAL SPECIFICATIONS - MPE080VH**

<b>GENERAL</b>	1	Manufacturer		Yale										
	2	Model designation		MPE080VH										
	3	Power type		24 Volt										
	4	Operator type		Stand ride										
	5	Rated capacity		lb. (kg)	8000 (3629)									
<b>DIMENSIONS</b>	6	Fork length	Nominal	in. (mm)	36(914)	42(1067)	48(1219)	54(1372)	60(1524)	84(2134)	93(2362)	96(2438)	144(3658)	
			Actual	in. (mm)	35.7(908)	41.8(1213)	47.8(1213)	53.7(1365)	59.8(1518)	83.8(2128)	92.8(2357)	95.8(2433)	143.8(3652)	
	7	Fork overall width		in. (mm)	27.1 (688)					28.0(710)			28.0(710)	
	8	Fork width		in. (mm)	9.1(232)					10.0(254)			10.0(254)	
	9	Load distance (face of battery box to center of load wheels)	Raised	in. (mm)	23.3(591)	29.3(744)	35.3(896)	41.3(1048)	47.3(1201)	56.3(1430)	N/A	N/A	104.3(2649)	83.9(2131)
			Lowered	in. (mm)	27.6(702)	33.6(854)	39.6(1007)	45.6(1159)	51.7(1312)	60.6(1540)	N/A	N/A	108.6(2759)	87.7 (2228)
	10	Wheelbase	Raised	in. (mm)	51.3(1303)	57.3(1455)	63.3(1608)	69.3(1760)	75.3(1912)	84.3(2141)	N/A	N/A	132.3(3360)	111.4(2829)
			Lowered	in. (mm)	55.3(1400)	61.1(1552)	67.1(1705)	73.1(1857)	79.1(2010)	88.1(2238)	N/A	N/A	136.1(3457)	115.2(2926)
	11	Overall length	Raised	in. (mm)	81.1(2061)	87.1(2213)	93.1(2366)	99.1(2518)	105.2(2671)	129.1(3280)	138.1(3509)	141.1(3538)	189.1(4804)	
			Lowered	in. (mm)	80.6(2048)	86.6(2200)	92.6(2353)	98.6(2505)	104.6(2657)	128.6(3267)	137.6(3496)	140.6(3572)	188.6(4791)	
	12	Center of load wheel to fork tips	Raised	in. (mm)	12.5(317)					27.5(698)	36.5(927)	39.5(1003)		59.9(1521)
	13		Lowered	in. (mm)	8.1(206)					23.1(588)	32.2(817)	35.2(893)		56.1(1424)
	14	Outside turning radius (Standard Platform)	Raised	in. (mm)	66.7(1694)	72.7(1846)	78.7(1999)	84.7(2152)	90.7(2304)	99.7(2533)			N/A	N/A
			Lowered	in. (mm)	70.5(1791)	76.5(1943)	76.7(1947)	88.5(2249)	94.5(2401)	103.5(2630)			N/A	N/A
		Outside turning radius (Extended Platform)	Raised	in. (mm)	68.8(1747)	74.8(1899)	80.8(2052)	86.8(2205)	92.8(2357)	101.8(2586)			149.8(3805)	128.9(3274)
			Lowered	in. (mm)	72.6(1844)	78.6(1996)	78.7(2000)	90.6(2302)	96.6(2454)	105.6(2683)			153.6(3902)	132.7(3371)
	15	Right angle stack (Standard Platform)	Raised	in. (mm)	80.2(2037)	N/A	91.8(2332)	N/A	N/A	143.1(3636)			N/A	N/A
		Right angle stack (Extended Platform)	Raised	in. (mm)	81.6(2073)	N/A	93.8(2382)	N/A	N/A	144.9(3681)			188.2(4780)	190.7(4877)
	16	Equal intersecting aisle (Standard Platform)	Raised	in. (mm)	61.5(1563)	N/A	68.9(1750)	N/A	N/A	75.7(1924)			N/A	N/A
		Equal intersecting aisle (Extended Platform)	Raised	in. (mm)	63.0(1599)	N/A	70.3(1786)	N/A	N/A	76.8(1950)			109.8(2790)	101.6(2580)
	17	Grade clearance	Chassis	%	28									
			Center of wheelbase	%	38	34	31	30	27	22			14	17
			Forks	%	37					17	13	12		8
18	Overall lift height	Top of forks	in. (mm)	9.3(235)										
19	Lowered height	Top of forks	in. (mm)	3.3(84)										
20	Total lift		in. (mm)	5.9(151)										
21	Truck overall width	Standard	in. (mm)	37.2(944)										
		Extended	in. (mm)	38.7(984)										
22	Chassis length	Raised	in. (mm)	45.4(1153)										
		Lowered	in. (mm)	44.9(1140)										
23	Battery compartment (standard / with battery rollers)		in. (mm)	32.0 x 13.4 x open(813 x 340 x open)										
<b>PERFORMANCE</b>	24	Max travel speed - chassis first	No load/ rated load	mph (kph)	9.0/6.0(14.5/9.7)									
	25	Max travel speed - forks first	No load/ rated load	mph (kph)	6.0/6.0(9.7/9.7)									
	26	Number of speeds			Infinitely variable									
	27	Traction motor control method	Type		AC Transistor									
28	Service brake	Type		Electro-mechanical										
<b>WEIGHT</b>	29	Truck weight (approx w/o battery)	No load	lb. (kg)	1444 (655)	1495 (678)	1539 (698)	1585 (719)	1629 (739)	1748 (793)	1803 (818)	1834 (832)	2198 (997)	2178 (988)
			Rated load		9444 (4284)	9495 (4307)	9539 (4327)	9585 (4348)	9629 (4368)	9748 (4422)	9803 (4447)	9834 (4461)	10198 (4626)	10178 (4617)
	30	Axle loading - drive	(static, max bat., no load)	lb. (kg)	1858 (843)	1878 (852)	1960 (889)	2055 (932)	2147 (974)	2255 (1023)	2308 (1047)	2357 (1069)	2668 (1210)	
31	Axle loading - load	(static, max bat., no load)	lb. (kg)	732(332)	754(342)	719(326)	670(304)	622(282)	633(287)	635(288)	622(282)	661(300)		
<b>WHEELS</b>	32	Drive tire - size/type	(# of wheels)	in.	13.0 x 4.5 x 9.0 / polyurethane (1)									
	33	Load wheel - size/type	(# of wheels) (# of bearings)	in.	3.25" x 6.5" / polyurethane (2) (4)									
	34	Caster wheel - size/type	(# of wheels) (caster type)	in.	4.0' x 2.5" / polyurethane (2) urethane block loaded									
<b>BATTERY</b>	35	Type			Lead acid   Thin Plate Pure Lead*   Lithium-ion*									
	36	Ampere hours	Maximum	ah	930									
	37	Ampere hours	Minimum	ah	375									
	38	Weight	Maximum	lb. (kg)	1500 (680)									
	39	Weight	Minimum	lb. (kg)	540 (245)									

\*Optional with Yale Power Key

## FEATURES LIST - MPE060-080VH

PERFORMANCE	STD	OPT
24 volt AC transistor control electrical system	●	
AC traction motor	●	
4 operator selectable, programmable performance modes	●	
High performance and extended shift feature	●	
ADS (Auto Deceleration System) with regenerative braking	●	
Ergonomic rear hand rail with Smart Shift Functions:		
– Smart Lift		●
– Smart Lower		●
– Smart Acceleration		●
– Smart Cruise		●
– Yale Smart Slow Down™		●
Smart coast control with pick assist		●
Manual coast control with pick assist		●
DRIVE	STD	OPT
Drive tire		
– 85 durometer, 13" x 4.5" smooth red polyurethane	●	
– 85 durometer, 13" x 4.5" grooved red polyurethane		●
– 91 durometer, 13" x 4.5" smooth polyurethane		●
– 93 durometer, 13" x 4.5" super smooth polyurethane		●
Load wheels		
– Single, 3.25" x 6.5" polyurethane	●	
– Single and dual		●
– 2 bearing and 4 bearing		●
– Standard bearing and sealed bearing		●
Casters 4" x 2.5" (MPE060VH)		
– Spring loaded, polyurethane wheel	●	
– Heavy duty – urethane block loaded greaseable wheel		●
– Heavy duty – urethane block loaded sealed wheel		●
Casters 4" x 2.5" (MPE080VH)		
– Heavy duty – urethane block loaded greaseable wheel	●	
– Heavy duty – urethane block loaded sealed wheel		●
Manual steering	●	
Power assist steering		●
LIFT	STD	OPT
Heavy duty, long life lift linkage with lubrication fittings		
– "X" groove style greaseable pivot bushings	●	
– 1" hardened, bolt retained flag pins		
Integrated "soft start" transistor lift pump control	●	
Fork lengths		
– 48" long forks – standard tip	●	
– 36" – standard tip		●
– 42" – standard tip		●
– 54" – standard tip		●
– 60" – standard tip		●
– 96" – standard tip (MPE060VH only)		●
– 84" – extended tip		●
– 93" – extended tip		●
– 96" – extended tip		●
– 144" – extended tip (MPE080VH only)		●
– 144" – short wheelbase extended tip (MPE080VH only)		●
Pallet exit rollers and runners / entry blades or skids	●	
Knock-out load wheel axles	●	
Boxed fork construction with reinforced fork tips	●	
Flush pallet stop	●	
27" fork spread	●	
28" fork spread (MPE080VH)		●
Load backrest		
– 48" high (pivoting or bolt-on)		●
– 60" high (pivoting or bolt-on)		●
– 72" high (bolt-on)		●
ERGONOMICS	STD	OPT
Ergonomic rear hand rail	●	
Ergonomically designed, impact resistant, combination butterfly rotary control handle	●	

ERGONOMICS CONTINUED	STD	OPT
Composite handle with butterfly travel control		●
Cushioned operator platform		●
Ultra platform cushion		●
OPERATION	STD	OPT
Multifunction full-color touch display		
– Battery state of charge		
– Hour meter	●	
– Low battery lift interrupt		
– Performance mode indicator		
– Fault indicator		
Electro-mechanical park brake	●	
Electronic horn	●	
On-board software		
– Program, test and diagnose	●	
– No handset required		
– Password protected		
Convenience tray (load backrest mounted or battery mounted)		●
RF terminal power supply – 24-volt		●
Audible alarm		●
Visible alarm – pole mounted amber strobe		●
Blue LED spotlight		●
White rubber platform markers	●	
LED platform lights		●
LED fork lights		●
Stretch film roll holder		●
Operator fan		●
Toe guard		●
Dual USB ports		●
Data terminal mount		●
12 Volt DC outlet		●
CONSTRUCTION	STD	OPT
UL Classification "E"	●	
UL Classification "EE"	●	
Application/environmental construction		
– Standard construction operating temperatures: +32°F to 120°F	●	
– Cooler/freezer package: operating temps: 0°F to +120°F		●
– SUBZERO freezer package: operating temps: -40°F to +120°F		●
– Wash down package: operating temps: 0°F to +120°F		●
– Extreme corrosion wash down package: operating temps: 0°F to +120°F		●
37.2" operator platform	●	
38.7" extended operator platform		●
Key ignition switch	●	
Key ignition switch with touch screen password access		●
Keyless toggle start switch		●
Keyless toggle start switch with touch screen password access		●
32.0" x 13.4" open battery compartment	●	
Battery rollers		●
ENERGY SYSTEM	STD	OPT
Set for flooded cell	●	
Set for maintenance free		●
Yale Power Key		●
SUPPLEMENTAL	STD	OPT
Operating manual and labels – english	●	
12 Month / unlimited hours full truck warranty	●	
3 Years/ 6,000 hour powertrain warranty	●	
Lifetime frame warranty	●	
Parts manual – printed or CD		●
5 Year 10,000 hour part a comprehensive parts and labor warranty		●
5 Year 10,000 hour part b powertrain parts and labor no deduct warranty		●

# About Yale



Yale Lift Truck Technologies leverages over a century of material handling experience and substantial investment in innovation to bring the most advanced technology-driven lift truck solutions to market. The company offers a full line of award-winning lift trucks, including reach trucks, order pickers, turret trucks, pallet jacks and trucks, pallet stackers, tow tractors and counterbalanced forklifts, as well as powerful operator assist solutions, proven robotics and a wide range of power sources to help customers adapt to today's demanding supply chain. Yale and its independent dealer network support these solutions with comprehensive after-sales service, parts, financing and training.

## MATERIALS HANDLING FOR:

Third-party logistics (3PL)

Auto parts distribution

Beverage

Cold & frozen foods

Food distribution

Food processing

Furniture & furnishings

Government

Health & pharma

Home centers & durables


Retail & e-commerce

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CERTIFICATION: Yale lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Classified by Underwriters' Laboratories, Inc.