

# MPE080-VG

End Rider

8,000 lbs.

**DRIVEN**  
BY **BALYO**

- Transport single or double pallets
- Handle loads to marshaling/staging areas
- Easily transfer over long distances
- Bar code scanner confirms appropriate pallet



# DRIVEN

BY BALYO



## General specifications MPE080-VG

GENERAL	1	Manufacturer		Yale / Balyo	
	2	Model designation		MPE080-VG	
	3	Power type		24 Volt	
	4	Operator type		Stand ride	
	5	Rated capacity	lb (kg)	8000 (3629)	
DIMENSIONS	6	Fork length	in (mm)	93 (2362)	
	7	Fork overall width	in (mm)	28.0 (710)	
	8	Fork width	Individual fork in (mm)	10.0 (254)	
	9	Load distance (face of battery box to center of load wheels)	Raised	in (mm)	56.3 (1430)
			Lowered	in (mm)	60.6 (1540)
	10	Wheelbase	Raised	in (mm)	84.3 (2141)
			Lowered	in (mm)	88.1 (2238)
	11	Overall length	in (mm)	142 (3606)	
	12	Center of load wheel to tip of forks	Raised	in (mm)	36.5 (927)
			Lowered	in (mm)	32.2 (817)
	14	Outside turning radius	in (mm)	109.3 (2776)	
	15	Right angle stack	Raised in (mm)	141.1 (3583)	
	16	Equal intersecting aisle	Raised in (mm)	82.2 (2089)	
	17	Grade clearance	Chassis	%	27
			Center of wheelbase	%	22
			Forks	%	13
	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	in (mm)	36.9 (937)	
	22	Chasis length	Raised	in (mm)	42.5 (1079)
			Lowered	in (mm)	42.0 (1066)
	23	Battery compartment (standard / with battery rollers)		32.0 x 13.4 x OPEN (813 x 340 x OPEN)	
PERFORMANCE	24	Max. travel speed - Chassis first	No load / rated load mph (m/s)	4 (1.8)	
	25	Max. travel speed - Forks first	No load / rated load mph (m/s)	0.7 (0.3)	
	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 / Rated Load lb (kg)	1759.0 / 9760.0 (798.0 / 4427.0)	
	30	Axle loading - Drive: Static w/ maximum Wt. battery (no load)	lb (kg)	2264 (1027)	
	31	Axle loading - Load wheels (combined): Static w/ maximum Wt. battery (no load)	lb (kg)	635 (288)	
WHEELS	32	Drive tire: Size / type (number of wheels)	in	12.0 x 4.5 x 8.0 / Polyurethane (1)	
	33	Load wheel: Size / type (number of wheels) (number of bearings)	in	3.25" x 6.5" / Polyurethane (2) (4)	
	34	Caster wheel: Size / type (number of wheels) caster type	in	4.0' x 2.5" / Polyurethane (2) urethane block loaded	
BATTERY	35	Type		Lead acid	
	36	Ampere hours - Maximum	ah	930	
	37	Ampere hours - Minimum	ah	375	
	38	Maximum weight	lb (kg)	1500 (680)	
	39	Minimum weight	lb (kg)	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.



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22545-1d 3/2017 All trucks shown with optional equipment.