PEDESTRIAN POWER PALLET AND DOUBLE PALLET TRUCKS

1.6 - 2.0 tonnes

OVERCOME YOUR OBSTACLES...
ACHIEVE OUTSTANDING PERFORMANCE

Developed for non-stop performance in the most challenging environments and the tightest spaces, PREMIA ES pedestrian power pallet trucks offer you a comprehensive range of transfer possibilities.

SPECIFICATIONS

PBP16N2 PBP16PD PBP18N2 PBP20N2R PBP20N2 PBP20N2E







PBP16 - 20N2(R)(E) & PBP16PD Series

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1.6 - 2.0 tonnes



Whether you are upgrading from a hand pallet truck, doing short shuttle work or looking for a truck prepared to go the distance, there is a PREMIA model which will meet your needs.

With PREMiA Es, anything is possible including outdoor operation if that's what you need. It's possible on most models, thanks to high-stability, market-leading lift heights and outstading ingress protection.

These low-maintenance models feature an easy-to-use tiller arm design. protects otects hands and places everything within easy reach for safe, comfortable, controlled operation.

FRAME AND BODY

- Sealed chassis offers protection against dirt, dust and other particles to reduce wear.*
- Water-resistant design diverts splashed moisture away from key electrical components, for long truck
- High stability is ensured by use of two linked castor wheels – next to the central drive wheel - in addition to the load wheels.*
- Low centre of gravity adds further stability, for safe operation.

MAST AND FORKS

- Robust forks with welded construction, and rounded tips for effortless pallet entry, give extra strength and durability.
- Market-leading lift height of 135 mm allows easy handling on steep ramps and loading docks, even with damaged pallets.*
- Tapered forks enhance safety, while offering quicker and easier access to pallets in racks or block stacks.
- Rising forks on PBP20N2E place loads at an ergonomic height - maximum 735 mm - for loading & unloading with minimal physical strain.

DRIVE

- Powerful AC drive motor is placed above the chassis plate, safeguarding it against the elements.*
- Oil-filled, sealed transmission is shock-resistant, quiet and requires little maintenance.*

STEERING SYSTEM

- State-of-the-art tiller arm offers the ultimate in ergonomic design, comfort and safety.
- Small turning circle together with compact chassis and excellent visibility means exceptional manoeuvrability.

BRAKES

- Regenerative braking gives effective control, without brake wear, and extends shift life.
- Parking brake is automatically activated, when necessary, for extra safety on ramps.

ELECTRICAL AND CONTROL SYSTEMS

- Programmable controller adjusts acceleration, travel speed and braking to suit the application and operator for greater versatility.
- On-board diagnostics and fault memory folder speed up servicing and help prevent damage.
- High-efficiency electronic system features waterproof components for maximum reliability - even in moist conditions.*





There is more information on PREMIA ES on mitforklift.com For more extensive information please visit our website

mft2.eu/premiaes



PBP16 - 20N2(R)(E) & PBP16PD Series

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1.6 - 2.0 tonnes





OPERATOR ENVIRONMENT AND CONTROLS

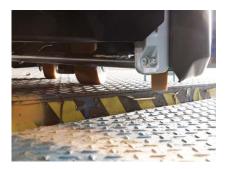
- Creep speed function and tiller arm lock bypass maximise safety and control in confined spaces.
- Unique crossbar design deflects obstacles away from tiller arm and operator's hand, protecting both truck and operator.
- Choice of two performance modes via key switch enhances safety, energy efficiency and productivity.*
- Easy-to-operate controls reduce operator fatigue and minimise mistakes to enhance safety.
- Ergonomically shaped rubber hand grips are comfortable and slip-free, allowing for easy reach of controls.*
- Battery discharge indicator is fitted as standard for battery protection and monitoring of truck use.
- Ground clearance is only 35 mm - which makes foot trapping very unlikely.
- Spacious, suspended foldable platform on PBP20N2R allows operator to ride in comfort - maximum speed 6 km/h - during occasional longer travel.

OTHER FEATURES

- RapidAccess features allow quick and easy entry to all areas for checks and maintenance.
- PIN-code access prevents unauthorised use of the truck (PBP16PD only).









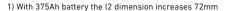
mft2.eu/premiaes



^{*} Not available on PBP16PD

VDI - PERFORMANCE & DIMENSIONS

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tor wheel dimensions (diameter x width) nber of wheels, load / drive side (x = driven) k width (center of tyres), drive side k width (center of tyres), load side ENSIONS ght with mast lowered height ght with mast extended al lift	h1 h3 h4	mm mm mm	100 x 40 2 + 1x / 2 480 355 / 375 / 495	100 x 40 2 + 1 x / 4 480	100 x 40 2 + 1 x / 4 480
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ck width (center of tyres), drive side ck width (center of tyres), load side ENSIONS ght with mast lowered height ght with mast extended al lift	h1 h3 h4	mm	480 355 / 375 / 495	480	480
ck width (center of tyres), load side ENSIONS pht with mast lowered height pht with mast extended al lift	h1 h3 h4	mm	355 / 375 / 495		
ENSIONS ght with mast lowered height ght with mast extended al lift	h1 h3 h4	mm		355 / 375 / 495	355 / 375 / 495
ght with mast lowered height ght with mast extended al lift	h3 h4		125		
height yht with mast extended al lift	h3 h4		125		
pht with mast extended al lift	h4	mm	105		
al lift			135	135	135
		mm			
t- or stand height	h5	mm	-	-	-
	h7	mm	-	-	-
ght of tiller arm / steering console (min./max.)	h14	mm	1050 / 1372	1050 / 1372	1050 / 1372
k height, fully lowered	h13	mm	85	85	85
rall length	I1	mm	1648	1712	1712
gth to fork face	12	mm	498	562	562
rall width	b1/b2	mm	720	720	720
k dimensions (thickness, width, length)	s/e/l	mm	55 / 165 / 1150	55 / 165 / 1150	55 / 165 / 1150
carriage width	b5	mm	520 / 540 / 660	520 / 540 / 660	520 / 540 / 660
side width over forks (minimum / maximum)	m2	mm	30	30	30
king aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise, platform up/down	Ast	mm	1694	1758	1758
king aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	mm			
king aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise	Ast3	mm			
king aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down	Ast	mm	1894	1958	1958
ning radius	Wa	mm	1454	1518	1518
FORMANCE					
rel speed, with / without load		km/h	6.0 / 6.0	6.0 / 6.0	6.0 / 6.0
ng speed, with / without load		m/s	0.035 / 0.045	0.035 / 0.045	0.04 / 0.06
ering speed, with / without load		m/s	0.05 / 0.05	0.05 / 0.05	0.05 / 0.05
deability, with / without load		%	10.0 / 20.0	10.0 / 20.0	10.0 / 20.0
eleration time (10 metres) with / without load		s			
vice brakes (mechanical / hydraulic / electric / pneumatic)			Electric	Electric	Electric
CTRIC MOTORS					
e motor capacity (60 min. short duty)		kW	1.0	1.0	1.0
motor output at 15% duty factor		kW	0.8	0.8	1.2
ery voltage/capacity at 5-hour discharge		V/Ah	24 / 150	24 / 250	24 / 250 - 375 1)
ery weight		kg	151	212	212-294
CELLANEOUS			Stepless	Stepless	Stepless
CELLANEOUS e of drive control	۸7	dB(A)			
e of drive control	JAL	dB(A)	62 / 69 / 0	62 / 69 / 0	65 / 67 / 0
e of drive control Il of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work L _F					
e of drive control Il of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work L _F			-	-	-
kir kir re ng el vide el re m	ing aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise ng aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down ng radius ORMANCE I speed, with / without load g speed, with / without load ring speed, with / without load ring speed, with / without load eability, with / without load eeration time (10 metres) with / without load ce brakes (mechanical / hydraulic / electric / pneumatic) TRIC MOTORS motor capacity (60 min. short duty) notor output at 15% duty factor ry voltage/capacity at 5-hour discharge ry weight ELLANEOUS of drive control	ing aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise Ast3 ng aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down Ast mg radius Wa ORMANCE I speed, with / without load g speed, with / without load ring speed, with / without load earation time (10 metres) with / without load earation time (10 metres) with / without load ce brakes (mechanical / hydraulic / electric / pneumatic) TRIC MOTORS motor capacity (60 min. short duty) notor output at 15% duty factor rry voltage/capacity at 5-hour discharge rry weight ELLANEOUS of drive control of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ	ing aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise Ast3 mm ng aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down Ast mm ng radius Wa mm ORMANCE I speed, with / without load km/h g speed, with / without load m/s ring speed, with / without load m/s ability, with / without load m/s eration time (10 metres) with / without load seration time (10 m	ing aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise Ast3 mm ng aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down Ast mm 1894 mg radius Wa mm 1454 ORMANCE I speed, with / without load Km/h 6.0 / 6.0 g speed, with / without load M/s 0.035 / 0.045 m/s 0.05 / 0.05 dability, with / without load M/s 0.05 / 0.05 dability, with / without load Seration time (10 metres) with / without load Seratio	ing aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise Ast mm 1894 1958 mpg aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down Ast mm 1894 1518 ORMANCE I speed, with / without load Mm/s 0.035 / 0.045 0.035 / 0.045 0.035 / 0.045 0.035 / 0.045 0.05 / 0.05 0.05 / 0.05 0.05 / 0.05 0.05





Ast = Wa-x+l6+a

Ast = Working aisle width

Wa = Turning radius a = Safety clearance (200 mm)

l6 = Pallet length

VDI - PERFORMANCE & DIMENSIONS

	CHARACTERISTICS			
1.1	Manufacturer			Mitsubishi Forklift Trucks
1.2	Manufacturer's model designation			PBP16PD
1.3	Power source			Battery
1.4	Operator type			Pedestrian
1.5	Load capacity	Q	kg	1600 / 800 + 800
1.6	Load center distance	C	mm	600
1.8	Load wheel axle to fork face (forks lowered)	X	mm	990
1.9	Wheelbase	y	mm	1510
1.7	WEIGHT	у	111111	1310
2.1	Truck weight without load, with maximum battery weight		kg	800
2.2	Axle loadings with nominal load & maximum battery weight, drive / load side		kg	990 / 1410
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg	590 / 210
2.3	WHEELS, DRIVE TRAIN		ĸy	370 / 210
3.1	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			Vul / Vul
3.1	Tyre dimensions, drive side		mm	230 x 70
3.3	Tyre dimensions, load side		mm	85 x 99
3.4	Castor wheel dimensions (diameter x width)		mm	140 x 60
3.5	Number of wheels, load / drive side (x = driven)		111111	1 x + 1 /4
3.6	Track width (center of tyres), drive side	b10	mm	382
3.7	Track width (center of tyres), load side	b10		355
3.7	DIMENSIONS	ווט	mm	300
/ 2-	Height with mast lowered	h1	mm	1400 / 1550
4.2a 4.4	Lift height	h3	mm	1700 / 2000
4.4	Height with mast extended	h4		
	Initial lift	h5	mm	2145 / 2445 120
4.6	Seat- or stand height	h7	mm	120
4.8 4.9	Height of tiller arm / steering console (min./max.)	n/ h14	mm	913 / 1368
	Fork height, fully lowered	h13	mm	913 / 1300
4.15	Overall length	11	mm	1864
4.19 4.20	Length to fork face	12	mm	664
	Overall width	b1/b2	mm	660
4.21	Fork dimensions (thickness, width, length)		mm	
4.22	Fork carriage width	s/e/l b5	mm	65 / 185 / 1200
4.25	Outside width over forks (minimum / maximum)		mm	540 25
4.32		m2	mm	
4.33c	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise, platform up/down Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	mm	NA
4.34a	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise	Ast	mm	2532 2290
4.34b	· · · · · · · · · · · · · · · · · · ·	Ast3	mm	2290
4.34c	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down Turning radius	Ast	mm	1000
4.35	PERFORMANCE	Wa	mm	1880
- 1	Travel speed, with / without load		1 //	F / / /
5.1	•		km/h	5.6 / 6
5.2	Lifting speed, with / without load		m/s	0.10 / 0.20
5.3	Lowering speed, with / without load		m/s	0. 12 / 0. 12
5.7	Gradeability, with / without load		%	6 / 19
5.9	Acceleration time (10 metres) with / without load		S	7.94 / 6.76
5.10	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electric
	ELECTRIC MOTORS			
6.1	Drive motor capacity (60 min. short duty)		kW	1.3
6.2	Lift motor output at 15% duty factor		kW	2.35
6.4	Battery voltage/capacity at 5-hour discharge		V/Ah	24 / 150 - 230
6.5	Battery weight		kg	140 - 215
	MISCELLANEOUS			- ·
8.1	Type of drive control	. 47	ID(1)	Stepless
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work L		dB(A)	74,6 +/- 0,7
10.7.1				
10.7.2	Whole-body vibration (EN 13 059:2002)			
10.7.3	Hand-arm vibration (EN 13 059:2002)			

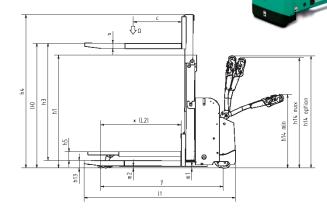
¹⁾ With 375Ah battery the l2 dimension increases 72mm

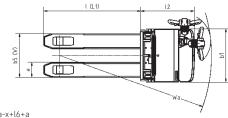
PREMÍA ES

PEDESTRIAN DOUBLE PALLET TRUCK

PBP16PD

1.6 tonnes





Ast = Wa-x+l6+a Ast = Working aisle width

Wa = Turning radius a = Safety clearance (200 mm)

l6 = Pallet length

h3+h13 = Lifting height h1 = Lowered mast height

h2+h13 = Free lift

MAST TYPE	h3 + h13 mm	h1* mm	h2 + h13 mm					
PBP16PD								
DUDI EV	1790	1400	NA					
DUPLEX	2090	1550	NA					

h1 closed mast height includes polycar-bonate finger protection. Mast height excl. Finger protection is 1343mm / 1493mm.

Mast Performance and Capacity

h1 = Height with mast lowered

h2 = Standard free lift

h3 = Lift height

h4 = Height with mast raised

h5 = Full free lift

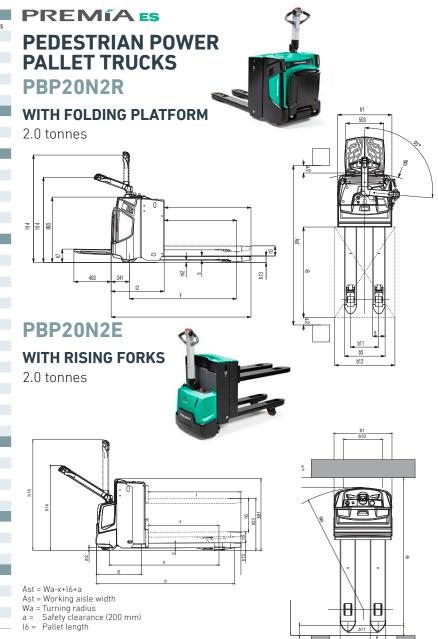
Q = Lifting capacity, rated load

c = Load centre (distance)

VDI - PERFORMANCE & DIMENSIONS

Manufacturer Manu		CHARACTERISTICS						
Manufacturer's model designation	1 1				Mitsuhishi Forklift Trucks	Mitsuhishi Forklift Trucks		
Battery Batt								
		Power source						
1.5 Load capacity						,		
1.6 Load center distance								
Load wheel axie to fork face (forks lowered) x mm y w w w w w w w w w								
Wheelbase								
Axle loadings with normal load & maximum battery weight, drive / load side	117	WEIGHT	,					
Axile loadings with normal load & maximum battery weight, drive / load side kg 490 / 1705 770 / 1809 740 / 125 740 / 126 740 / 125 740 / 126 740 / 125 740 / 126 740 / 125 740 / 126 740 / 125 740 / 126 740 / 125 740 / 126 74	2.1	Truck weight without load, with maximum battery weight		ka	595	579		
Axile loadings without load & with maximum battery weight, drive / load side WHIELES, DRIVETRAD,								
WHEELS, DRIVE TRAIN		· ·		_				
1 Tyres: PT = Power Thane, Val = Valkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side		WHEELS, DRIVE TRAIN				,		
Tyre dimensions, drive side mm 85x 75	3.1				Vul / Vul	Vul / Vul		
3.3 Tyre dimensions, load side mm 85 x 75 85 x 75 3.4 Castor wheel dimensions (diameter x width) mm 125 x 55 100 x 40 3.5 Number of wheels, load / drive side (x = driven) 2 + 1 x / 4 2 + 1 x / 4 2 + 1 x / 4 3.6 Track width (center of tyres), load side b 10 mm 480 480 3.7 Track width (center of tyres), load side b 11 mm 375 375 4.2a Height with mast lowered h 1 mm 135 735 4.2. Height with mast extended h 4 mm 135 735 4.6. Initial lift h 5 mm - 135 4.8. Seat-or stand height h 17 mm 172 - 4.9 Height of tiller arm / steering console (min./max.) h 14 mm 180 x 12 180 180 x 12 18		Tyre dimensions, drive side		mm				
Castor wheel dimensions (diameter x width)		Tyre dimensions, load side						
3.5 Number of wheels, load / drive side (x = driven)		Castor wheel dimensions (diameter x width)		mm	125 x 55			
		Number of wheels, load / drive side (x = driven)						
Track width (center of tyres), load side b11 mm 375 375			b10	mm				
DIMENSIONS		Track width (center of tyres), load side						
Lift height	0.7	•	<u> </u>		0.0	3, 0		
4.4. Lift height h3 mm 135 735 4.5 Height with mast extended h4 mm - 135 4.6 Initial lift h5 mm - 135 4.8 Seat- or stand height h17 mm 172 - 4.9 Helight of tiller arm / steering console (min./max.) h14 mm 1800 / 1372 - 4.15 Fork height, fully lowered h13 mm 85 90 4.19 Overall length h11 mm 1854,3266 1780 4.20 Length to fork face l2 mm 702 / 1195 653 4.21 Overall width b1/b2 mm 702 / 1195 653 4.21 Fork dimensions (thickness, width, length) b1/b2 mm 702 / 1195 653 4.22 Fork dimensions (thickness, width, length) b5 mm 50 / 165 / 1150 50 / 195 / 195 / 195 / 195 4.25 Fork carriage width w6 570 mm 30	4.2a	Height with mast lowered	h1	mm				
4.6 Initial lift		Lift height	h3	mm	135	735		
4.6 Initial lift h5 mm - 135 4.8 Seat- or stand height h7 mm 172 - 4.9 Height of tiller arm / steering console (min./max.) h14 mm 1180 / 1350 1050 / 1372 4.19 Overall length h13 mm 85 90 4.19 Overall length l11 mm 1854 / 2346 1780 4.20 Length to fork face l2 mm 702 / 1195 653 4.21 Overall width b1/b2 mm 702 / 1195 653 4.21 Overall width b1/b2 mm 702 / 1195 653 4.22 Fork dimensions (thickness, width, length) s/e/l mm 50/165/1150 50/195/1150 4.25 Fork dimensions (thickness, width, length) s/e/l mm 50/165/1150 50/195/1150 4.25 Fork dimensions (thickness, width (ast) with 800 x 1200 mm pallets, load lengthwise s/e/l mm 50/105/1150 50/195/1150 4.32 Working aisle width (as		Height with mast extended				,		
Age		Initial lift			-	135		
Height of tiller arm / steering console (min./max.)		Seat- or stand height			172	-		
4.19 Overall length 11 mm 1854 2346 1780 4.20 Length to fork face 12 mm 702 / 1195 653 4.21 Overall width 51/62 mm 720 720 4.22 Fork dimensions (thickness, width, length) s/e/l mm 540 570 4.25 Fork carriage width 55 mm 540 570 4.26 Fork carriage width (Ast) with 1000 x 1200 mm pallets, load crosswise, platform up/down Ast mm 30 30 4.32 Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34b Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm 4.34c Working aisle width (Ast) with 800 x 1200 mm 4.34c Working aisle width (Ast) with 800 x 1200 mm 4.34c Working aisle width (Ast) with 800 x 1200 mm 4.34c Working aisle width (Ast) with 80		Height of tiller arm / steering console (min./max.)				1050 / 1372		
A.19 Overall length 11 mm 1854 / 2346 1780 120 Length to fork face 12 mm 702 / 1195 653 653 720		Fork height, fully lowered	h13					
4.20 Length to fork face 12 mm 702 / 1195 653 4.21 Overall width b1/b2 mm 720 720 4.22 Fork dimensions (thickness, width, length) s/e/l mm 50 / 165 / 1150 50 / 195 / 1150 4.25 Fork carriage width b5 mm 540 570 4.32 Outside width over forks (minimum / maximum) m2 mm 30 30 4.33c Working aisle width (Ast) with 1000 x 1200 mm pallets, load lengthwise Ast mm 4.34a Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34b Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 4.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast m		Overall length	11	mm	1854 / 2346	1780		
4.21 Overall width b1/b2 mm 720 720 4.22 Fork dimensions (thickness, width, length) s/e/l mm 50 / 165 / 1150 50 / 195 / 1150 4.25 Fork carriage width b5 mm 540 570 4.32 Outside width over forks (minimum / maximum) m2 mm 30 30 4.32 Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 1920 / 2400 1874 4.34a Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 1920 / 2600 2074 4.34b Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 2120 / 2600 2074 4.35 Turning radius Ma mm 1680 / 2160 1526 PERFORMANCE 5.1 Travel speed, with / without load km/h 6.0 / 6.0 6.0 / 6.0 5.2 Lifting speed, with / without load m/s 0.03 / 0.05 0.11 / 0.1 5.7 Gradeability, with / without load k <td< td=""><td></td><td>Length to fork face</td><td>12</td><td></td><td></td><td>653</td></td<>		Length to fork face	12			653		
4.22 Fork dimensions (thickness, width, length) s/e/L mm 50 / 165 / 1150 50 / 195 / 1150 4.25 Fork carriage width b5 mm 540 570 4.32 Ustide width over forks (minimum / maximum) m2 mm 30 30 4.34c Working aisle width (Ast) with 1000 x 1200 mm pallets, load lengthwise Ast mm 1920 / 2400 1874 4.34b Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm 2120 / 2600 2074 4.35c Turning radius Wa mm 1680 / 2160 1526 PERFORMANCE Turning radius Wa mm 1680 / 2160 1526 PERFORMANCE wm/s 0.03 / 0.05 0.11 / 0.14 Turning radius km/h 6.0 / 6.0 6.0 / 6.0 Exercise with / without load m/s 0.03 / 0.05 0.11 / 0.14 5.1 Travel speed, with / without load m/s 0.07 / 0.08 0.13 / 0.12 5.7 Gradability, with / wit		Overall width				720		
4.32 Outside width over forks (minimum / maximum) m2 mm 30 30		Fork dimensions (thickness, width, length)	s/e/l	mm	50 / 165 / 1150	50 / 195 / 1150		
4.32 Outside width over forks (minimum / maximum) m2 mm 30 30	4.25	Fork carriage width	b5	mm	540	570		
4.34a Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise		Outside width over forks (minimum / maximum)			30	30		
4.34a Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise Ast mm	4.33c	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise, platform up/down	Ast	mm	1920 / 2400	1874		
A.34c Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down Ast mm 2120 / 2600 2074	4.34a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast					
A.35 Turning radius		Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise						
A.35 Turning radius	4.34c	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down	Ast	mm	2120 / 2600	2074		
PERFORMANCE		Turning radius				1526		
5.2 Lifting speed, with / without load m/s 0.03 / 0.05 0.11 / 0.14 5.3 Lowering speed, with / without load m/s 0.07 / 0.08 0.13 / 0.12 5.7 Gradeability, with / without load % 9.0 / 20.0 9.0 / 20.0 5.9 Acceleration time (10 metres) with / without load s s 5.10 Service brakes (mechanical / hydraulic / electric / pneumatic) Electric Electric ELECTRIC MOTORS 6.1 Drive motor capacity (60 min. short duty) kW 1.0 1.0 6.2 Lift motor output at 15% duty factor kW 1.0 1.2 6.4 Battery voltage/capacity at 5-hour discharge V/Ah 24 / 250 - 375 1) 24 / 150 6.5 Battery weight kg 212-294 151 MISCELLANEOUS 8.1 Type of drive control Stepless Stepless 10.7 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ dB(A) 63 / 78 / 0 59 / 60 / 0 10.7.2 Whole-body vibration (EN 13 059:2002) 0.9 - -		PERFORMANCE						
5.2 Lifting speed, with / without load m/s 0.03 / 0.05 0.11 / 0.14 5.3 Lowering speed, with / without load m/s 0.07 / 0.08 0.13 / 0.12 5.7 Gradeability, with / without load % 9.0 / 20.0 9.0 / 20.0 5.9 Acceleration time (10 metres) with / without load s s 5.10 Service brakes (mechanical / hydraulic / electric / pneumatic) Electric Electric ELECTRIC MOTORS 6.1 Drive motor capacity (60 min. short duty) kW 1.0 1.0 6.2 Lift motor output at 15% duty factor kW 1.0 1.2 6.4 Battery voltage/capacity at 5-hour discharge V/Ah 24 / 250 - 375 1) 24 / 150 6.5 Battery weight kg 212-294 151 MISCELLANEOUS 8.1 Type of drive control Stepless Stepless 10.7 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ dB(A) 63 / 78 / 0 59 / 60 / 0 10.7.2 Whole-body vibration (EN 13 059:2002) 0.9 - -	5.1	Travel speed, with / without load		km/h	6.0 / 6.0	6.0 / 6.0		
5.3 Lowering speed, with / without load m/s 0.07 / 0.08 0.13 / 0.12 5.7 Gradeability, with / without load % 9.0 / 20.0 9.0 / 20.0 5.9 Acceleration time (10 metres) with / without load s s 5.10 Service brakes (mechanical / hydraulic / electric / pneumatic) Electric Electric ELECTRIC MOTORS 6.1 Drive motor capacity (60 min. short duty) kW 1.0 1.0 6.2 Lift motor output at 15% duty factor kW 1.2 1.2 6.4 Battery voltage/capacity at 5-hour discharge V/Ah 24 / 250 - 375 1) 24 / 150 6.5 Battery weight kg 212-294 151 MISCELLANEOUS 8.1 Type of drive control Stepless Stepless 10.7 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ dB(A) 63 / 78 / 0 59 / 60 / 0 10.7.2 Whole-body vibration (EN 13 059:2002) 0.9 - -								
5.7 Gradeability, with / without load % 9.0 / 20.0 9.0 / 20.0 5.9 Acceleration time (10 metres) with / without load s Electric 5,10 Service brakes (mechanical / hydraulic / electric / pneumatic) Electric Electric 6.1 Drive motor capacity (60 min. short duty) kW 1.0 1.0 6.2 Lift motor output at 15% duty factor kW 1.2 1.2 6.4 Battery voltage/capacity at 5-hour discharge V/Ah 24 / 250 - 375 1) 24 / 150 6.5 Battery weight MISCELLANEOUS 8.1 Type of drive control Stepless Stepless 10.7 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ dB(A) 63 / 78 / 0 59 / 60 / 0 10.7.2 Whole-body vibration (EN 13 059:2002) 0.9 -		Lowering speed, with / without load			0.07 / 0.08	0.13 / 0.12		
5.9 Acceleration time (10 metres) with / without load 5.10 Service brakes (mechanical / hydraulic / electric / pneumatic) ELECTRIC MOTORS 6.1 Drive motor capacity (60 min. short duty) 6.2 Lift motor output at 15% duty factor 6.4 Battery voltage/capacity at 5-hour discharge 6.5 Battery weight 6.6 Battery weight 6.7 MISCELLANEOUS 8.1 Type of drive control 8.2 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ 8.1 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ 8.1 Whole-body vibration (EN 13 059:2002) 8.2 Electric 8.4 Electric 8.5 Electric 8.6 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ 8.6 Acceleration time (10 metres) with / without pleuting 8.7 Electric 8.8 Lectric 8.9 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ 8.7 Acceleration time (10 metres) electric 8.8 Electric 8.1 Log 8.4 Available 8.4 Available 8.5 Stepless 8.6 Available 8.6 Available 8.7 Available 8		Gradeability, with / without load						
5.10 Service brakes (mechanical / hydraulic / electric / pneumatic) Electric Close of the diver according to the diver according to the diver according to the diver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ dB(A) 6.1 (B) / 78 / 0 Electric Electric Electric Electric Electric Close AW 1.0 1.0 AW 1.0 AW 1.0 AW 24 / 150 24 / 150 AW 212-294 151 MISCELLANEOUS Stepless		Acceleration time (10 metres) with / without load						
Stepless Company Com		Service brakes (mechanical / hydraulic / electric / pneumatic)			Electric	Electric		
6.1 Drive motor capacity (60 min. short duty) kW 1.0 1.0 6.2 Lift motor output at 15% duty factor kW 1.2 1.2 6.4 Battery voltage/capacity at 5-hour discharge V/Ah 24 / 250 - 375 1) 24 / 150 6.5 Battery weight kg 212-294 151 *** MISCELLANEOUS************************************	0110							
6.2 Lift motor output at 15% duty factor kW 1.2 1.2 6.4 Battery voltage/capacity at 5-hour discharge V/Ah 24 / 250 - 375 1) 24 / 150 6.5 Battery weight kg 212-294 151 MISCELLANEOUS 8.1 Type of drive control Stepless 10.7 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ dB(A) 10.7.1 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ dB(A) 63 / 78 / 0 59 / 60 / 0 10.7.2 Whole-body vibration (EN 13 059:2002) 0.9 -	6.1			kW	1.0	1.0		
6.4 Battery voltage/capacity at 5-hour discharge V/Ah 24 / 250 - 375 1) 24 / 150 6.5 Battery weight kg 212-294 151 MISCELLANEOUS 8.1 Type of drive control Stepless Stepless 10.7 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ dB(A) 63 / 78 / 0 59 / 60 / 0 10.7.1 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ dB(A) 63 / 78 / 0 59 / 60 / 0 10.7.2 Whole-body vibration (EN 13 059:2002) 0.9 -		· · ·						
6.5 Battery weight kg 212-294 151 MISCELLANEOUS 8.1 Type of drive control Stepless Stepless 10.7 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ dB(A) 10.7.1 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ dB(A) 10.7.2 Whole-body vibration (EN 13 059:2002) 8 212-294 151 Stepless Stepless 4 B(A) 63 / 78 / 0 59 / 60 / 0 0.9 -		• •				· · -		
MISCELLANEOUS 8.1 Type of drive control 10.7 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ 10.7.1 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ 10.7.2 Whole-body vibration (EN 13 059:2002) Stepless 4B(A) 63 / 78 / 0 59 / 60 / 0 10.7.2 Underbody vibration (EN 13 059:2002)								
8.1 Type of drive control 10.7 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ 10.7.1 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ 10.7.2 Whole-body vibration (EN 13 059:2002) Stepless 4B(A) 63 / 78 / 0 59 / 60 / 0 0.9 -	0.0	, .		9				
10.7 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ dB(A) 10.7.1 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ dB(A) 10.7.2 Whole-body vibration (EN 13 059:2002) 0.9 -	8.1				Stepless	Stanlass		
10.7.1 Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ dB(A) 63 / 78 / 0 59 / 60 / 0 10.7.2 Whole-body vibration (EN 13 059:2002) 0.9 -			pAZ	dB(A)	Steptess	Steptess		
10.7.2 Whole-body vibration (EN 13 059:2002) 0.9 -					63 / 78 / 0	59 / 60 / 0		
		•		GD(A)		-		
1 11 11 11 11 11 11 11 11 11 11 11 11 1		·				< 2.5		
		·						

¹⁾ With 375Ah battery the l2 dimension increases 72mm



STANDARD EQUIPMENT & OPTIONS

● = Standard						
= Option	PBP16N2	PBP18N2	PBP20N2	PBP16PD	PBP20N2R	PBP20N2E
GENERAL						
Led battery discharge indicator, no hourmeter	•	•	•	-	•	•
Micro-computer incl. Hour meter and battery indicator with cut out (ATC T4)	_	-	-	•	-	-
PIN code log in 100 codes	_	-	-	•	-	-
PIN code log in 4 codes	•	•	•	-		
Offset tiller arm with display and keypad	_	-	-	•	-	-
Chill store design, down to 1°C, with rust protected axles	_	-	-	•	_	_
Electric on/off valve for lifting and lowering, controlled by rocker switch on tiller head	•	•	•	•	•	•
Polyurethan drive wheel or rubber	-	-	-	•	-	-
Initial lift	_	-	-	•	-	•
Single or tandem load wheels polyurethan	•	•	•	•	•	•
Li-ion batteries	_	_	_	•	_	_
ENVIRONMENT						
Cold store design, OC° to -35C°	•	•	•	•	•	•
Hot operating condition modification, >30C°	•	•	•	-		
DRIVE AND LIFT CONTROLS						
Heavy duty tiller Head - with key switch entry	-	-	-	•	-	-
Tiller in line with chassis contour	-	-	-		-	-
Tiller up drive	•	•	•	•	•	•
Fingertip levers on tiller arm, lift&lowering	•	•	•	•		
WHEEL OPTIONS						
Polyurethan traction and load wheels	•	•	•	•	•	•
Power friction traction wheel	•	•	•			
Tandem polyurethan load wheels	•	•	•	•	•	•
Single polyurethan load wheels	•	•	•	•	•	•
Non marking drive wheeel	_	-	-	•	-	-
Anti static drive wheel	_	-	-	•	-	-
OTHER OPTIONS						
Rubber foot protection	-	-	-	•	-	-
Diselectric band	-	-	-		-	-
Key switch	•	•	•	-	•	•
Capacity 2000kg on straddles	_	-	-		-	-
Piezo buzzer instead of standard horn	_	-	-	•	-	-
Load backrest	•	•	•	•	•	•
Special RAL colour	•	•	•	•	•	•
In-built charger 30A	•	•	•	-	•	
Sideways battery change, 250A and 375Ah battery only	_	•	•	-	•	-
Battery changing device	-	•		-		-
Acessory rack	•	•	•	-	•	•
Working light	•	•	•	_	•	•

PREMÍA ES

PBP16 - 20N2(R)(E) & **PBP16PD Series**

PEDESTRIAN POWER PALLET AND DOUBLE PALLET TRUCKS

1.6 – 2.0 tonnes





Load backrest





Acessory rack

Working light



OPTIONAL LI-ION BATTERY SYSTEMS FOR THE PBP16PD MODEL

MAKE YOUR FORKLIFT (AND ITS FUEL) **GO EVEN FURTHER**

Tried, tested and proven in the field. lead-acid batteries have been the longstanding top choice for companies employing electric lift trucks. However, with long charging times, demanding maintenance requirements, the need for extra batteries and high risk of operator misuse, it can be a challenge. Fortunately, there's a new battery system on the block: Li-ion from Mitsubishi Forklift Trucks.

Designed to meet your business' demands - including multi-shift (24/7) operations - without the need for spare batteries, our high-performance Li-ion battery system is up to 40 per cent more efficient than lead-acid counterparts. Plus, it's virtually error-proof, thanks to its ultra-low-maintenance design which prevent cell damage.

- Exceptional, zero-emissions efficiency 40% more efficient than lead-acid batteries and free from
- Ultra-low maintenance design demands just a full charge each week to activate cell balancing, as well as an annual CSV export/update.
- No space requied With no need for charging areas, there's no cost for set up and you can keep your profitable space just that: profitable...
- Quick charge capabilities mean that just 15 minutes is all your battery needs to keep your truck going a few more hours. (It only takes 1 to 2 hours to fully charge a completely discharged battery.)
- Higher sustained voltage ensures more consistent lifting and driving performance, which is particularly noticeable towards the end of a shift.
- TriCOM Technology delivers exceptionally high system efficiency (up to 97%).

- Water-free design With no water in the battery and no need to top up, there's no risk of operators damaging
- Active protection componentry This continuously monitors the system, highlighting potential issues, including misuse.
- Short circuit protection is offered by system safeguards including: deepdischarge and overcharge protection. individual cell temperature and voltage monitorina.
- On-the-go performance and monitoring is possible thanks to the system's integrated monitoring system with easy-to-read display unit, as well as an opportunity charger on board.

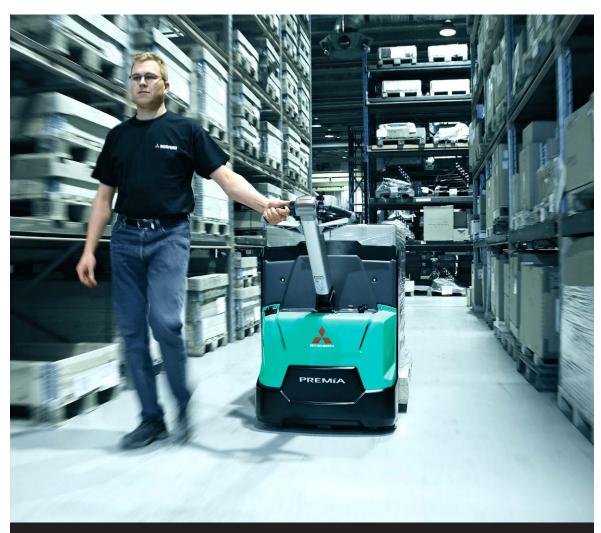
Battery capacity, Ah	104
Charger capacity, A, 4 hour*	25

*Built-in charger



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PREMIA THE NUMBER ONE Number one for reliability... number one for productivity... whatever the conditions.

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So when we promise you quality, reliability and value for money, you know it's a guarantee we have the power to deliver.

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Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications or operating environment. Trucks may be shown with nonstandard options. Specific performance requirements and locally available configurations should be discussed with your distributor of Mitsubishi forklift trucks. We follow a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

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