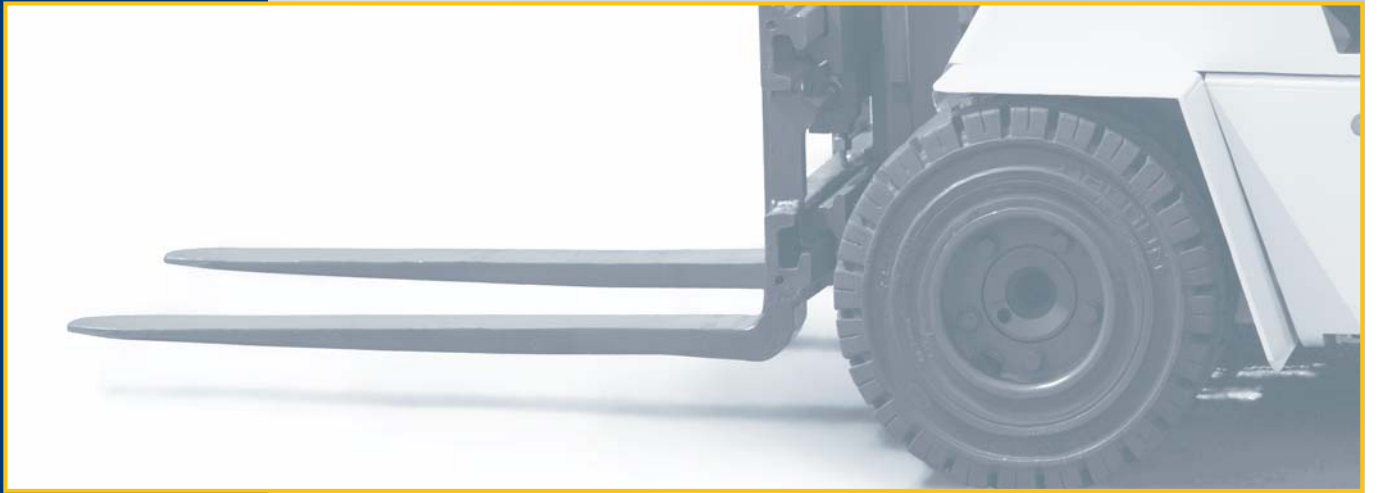


# E 8 - 10N

## Technical data



designed to work



# E 8 - 10N Technical Data

VDI 2198

			OM PIMESPO	OM PIMESPO			
Specification	1.1	Manufacturer		OM PIMESPO			
	1.2	Model designation	E 8 N	E 10 N			
	1.3	Type of drive: Electric - Diesel - Petrol - GPL - Network Power (Electric)	Electric	Electric			
	1.4	Operation Type: Hand - Stand on - Driver seated	Driver Seated	Driver Seated			
Weight	1.5	Load Capacity	Q (t)	0,8	1		
	1.6	Load Baricenter Distance	c (mm)	400	500		
	1.8	Distance from axle centre to fork face	x (mm)	285	285		
	1.9	Wheel Base	y (mm)	1000	1070		
	2.1	Service Weight	kg	1630 <sup>11)</sup> - 1670 (twin)	1860 <sup>11)</sup> - 1900 (twin)		
	2.2	Axle Weight with rated load	front / rear	kg	2135 / 295	2510 / 350	
	2.3	Axle Weight without load	front / rear	kg	710 / 920	780 / 1080	
	Wheels and tyres	3.1	Tyres SE = superelastic - PN = pneus		SE / SE <sup>2)</sup>	SE / SE <sup>2)</sup>	
		3.2	Front tyres size		4.00 - 8 <sup>2)</sup>	16 x 6-8 <sup>2)</sup>	
		3.3	Rear tyres size		4.00 - 4 <sup>2)</sup>	4.00 - 4 <sup>2)</sup>	
		3.5	Tyres number front / rear (x = drive)		2 (4) / 2	2 (4) / 2	
		3.6	Front track width	b10 (mm)	730 - 865 (twin)	760(3) - 865 (twin)	
	Dimensions and overall Sizes	3.7	Rear track width	b11 (mm)	170	170	
		4.1	Lifting assembly tilting	forward/backward	Grad	3°/9° <sup>4)</sup>	3°/9° <sup>4)</sup>
		4.2	Mast minimum overall height	h1 (mm)	2092,5 <sup>5)</sup>	2087,5 <sup>5)</sup>	
		4.3	Free height	h2 (mm)	85	95	
		4.4	Lift height	h3 (mm)	2990	3000	
		4.5	Mast maximum overall height	h4 (mm)	3520	3520	
		4.7	Overheadguard height	h6 (mm)	2060 <sup>6)</sup>	2060 <sup>6)</sup>	
4.8		Seat Height	h7 (mm)	1015 <sup>7)</sup>	1015 <sup>7)</sup>		
4.12		Drawbar height	h10 (mm)	***	***		
4.19		Overall Length	l1 (mm)	1460	1510		
4.20		Overall Length including fork arms spessore forche	l2 (mm)	2260	2310		
4.21		Overall width	b1/b2 (mm)	850 <sup>8)</sup> - 1115 (twin)	920 <sup>8)</sup> - 1115 (twin)		
4.22		Fork arms dimension	s/e/l (mm)	30/80/800	30/80/800		
4.23		Fork carriage in compliance with DIN 15173 Classe / Form A, B		1-A	1-A		
4.24		Fork carriage width	b3 (mm)	820 / (745 DX-TX)	820 / (745 DX-TX)		
Performance		4.31	Mast ground clearance (with load)	m1 (mm)	90 <sup>9)</sup>	100	
	4.32	Chassis ground clearance (with load) [middle of the chassis]	m2 (mm)	120 <sup>9)</sup>	120		
	4.33	Aisle width with pallet 1000x1200 and fork arm pitch 1200	Ast (mm)	2805	2860		
	4.34	Aisle width with pallet 800x1200 and fork arm pitch 800	Ast (mm)	2925	2980		
	4.35	Turning radius	Wa (mm)	1185	1240		
	4.36	Turning point minimum distance from the truck center line	b13 (mm)	***	***		
	5.1	Drive speed	with / without load	km/h	11/12 <sup>10)</sup>	10/11 <sup>10)</sup>	
	5.2	Lifting speed	with / without load	m/s	0,23 / 0,40	0,20 / 0,40	
	5.3	Lowering speed	with / without load	m/s	0,44 / 0,38	0,46 / 0,38	
	5.5	Drawbar pull tractive effort (S2 60 min)	with / without load	N	650 <sup>11)</sup> /***	600 <sup>11)</sup> /***	
5.6	Drawbar pull tractive effort (S2 5 min)	with / without load	N	2500 <sup>12)</sup> /***	2400 <sup>12)</sup> /***		
Engine	5.7	Gradeability (S2 30 min)	with / without load	%	4,5/6 <sup>13)</sup>	3/4,5 <sup>13)</sup>	
	5.8	Maximum gradeability (S2 5 min)	with / without load	%	10,5/14,5 <sup>14)</sup>	8/12 <sup>14)</sup>	
	5.9	Acceleration time (10 m)	with / without load	s	***	6,8/6,3	
	5.10	Service brake			Mechanic-Hydraulic	Mechanic-Hydraulic	
	6.1	Drive motor, power S2 60 min	kW	1,1 x 2	1,1 x 2		
	6.2	Lifting motor, power S3 15%	kW	3	3		
	6.3	Battery in compliance with DIN 43531/35/36 A, B, C, NO		NO	NO		
	6.4	Voltage, Battery Capacity K5	V / Ah	24/490 <sup>15)</sup>	24/490 <sup>15)</sup>		
	6.5	Battery weight	kg	530	530		
	6.6	Power consumption according to VDI cycle	kWh/h	***	2,8		
Others	8.1	Drive control type		Chopper	Chopper		
	8.2	Service pressure for attachments	bar	125 <sup>16)</sup>	150 <sup>16)</sup>		
	8.3	Oil flow rate for attachment (max available)	l/min	***	***		
	8.4	Noise at operator's ear	dB (A)	***	66,4		
	8.5	Drawbar, Modell / Type DIN		****	****		

1) E 8 N 1620 kg. CU. twin  
E 10 N 1840 kg. CU. twin

E 8-10 N 8= 6°TX mast 5 m  
5) with free lift 150 mm

9) E 8 N m1: 75 mm CU. twin  
E 8 N m1: 100 mm twin wheels

11) E 8 N 700 N CU. twin  
E 10 N 650 N CU. twin

E 10 N 3,5/5,5 % CU. twin  
14) E 8 N 11,5/17% CU. twin

16) E 8 N 125 bar (TX mast) - 118 bar (DX mast)  
E 10 N 140 bar (DX mast) - 145 bar (TX mast)

2) For alternative Tyres see table

6) E 8-10 N 2040 mm CU. twin

E 8 N m2: 100 mm CU. twin

12) E 8 N 2800 N CU. twin

E 10 N 9,5/14,5 % CU. twin

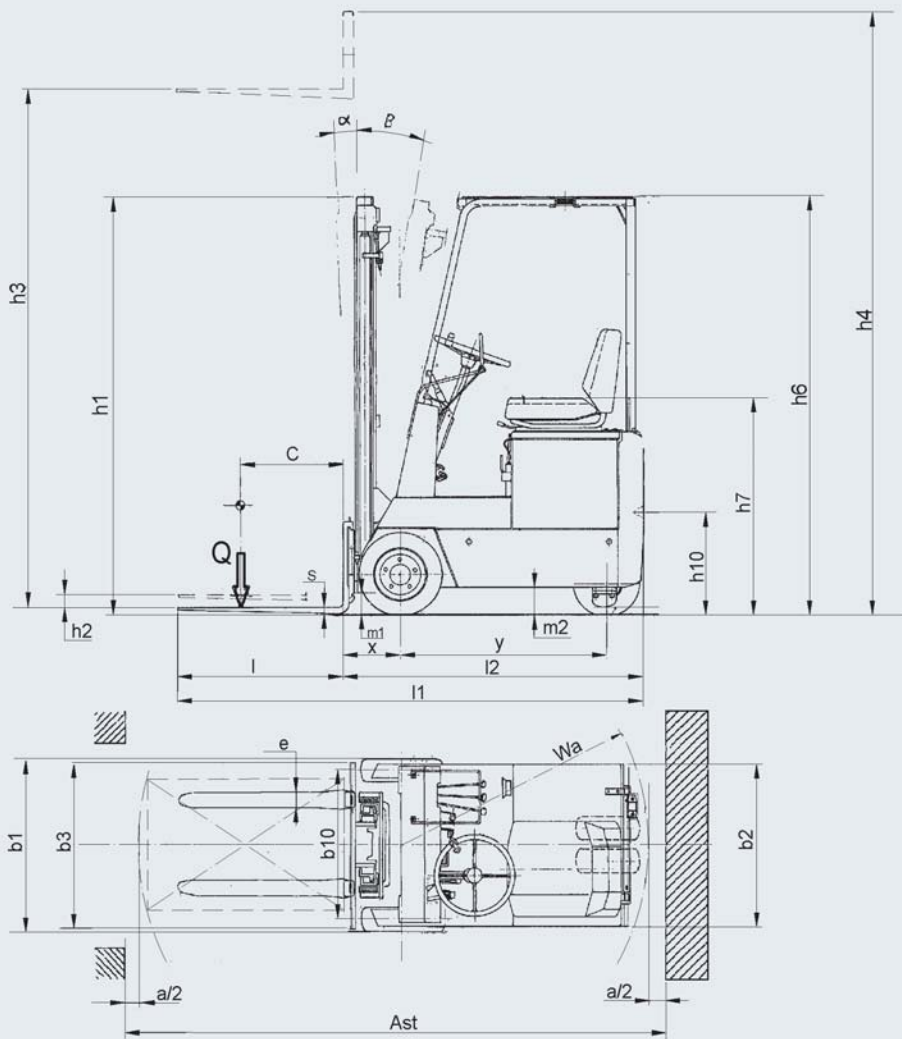
3) E 10 N 730 mm. CU. twin  
4) E 8-10 N 7° / 9° all mast with h<sub>3</sub> ≤ 3980 mm

7) E 8-10 N 995 mm CU. twin  
8) E 8-10 N 855 mm CU. twin

10) E 8 N 9,5 / 10 CU. twin  
E 10 N 8,5 / 9,5 CU. twin

E 10 N 2700 N CU. twin  
13) E 8 N 4,5 / 6,5 % CU. twin

15) E 8 N 24/560 V/Ah  
E 10 N 24/560; 640 V/Ah

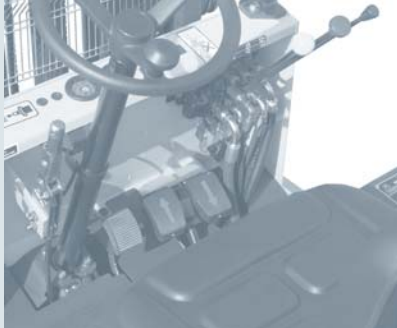


#### LIFT MAST SPECIFICATIONS

			Standard (Simplex)					Duplex GAL			Triplex GAL					
<b>E 8N</b>	Lift Height	$h_3$	mm	2990	3580	3980	4480	4980	2710	3280	3580	4020	4380	4680	5020	5580
	Minimum Overall Height	$h_1$	mm	2088	2320	2588	2770	3020	1840	2155	2305	1920	2010	2110	2270	2470
	Maximum Overall Height	$h_4$	mm	3520	4190	4520	5090	5590	3220	3905	4125	4540	4920	5220	5540	6130
	Free Lift	$h_2$	mm	85	-	85	-	-	1330	1530	1710	280	1485	1585	280	1805
<b>E 10N</b>	Lift Height	$h_3$	mm	2990	3580	3980	4480	4980	2710	3280	3580	4020	4380	4680	5020	5580
	Minimum Overall Height	$h_1$	mm	2088	2320	2588	2770	3020	1840	2155	2305	1920	2010	2110	2270	2470
	Maximum Overall Height	$h_4$	mm	3520	4190	4520	5090	5590	3220	3905	4125	4540	4920	5220	5540	6130
	Free Lift	$h_2$	mm	85	-	85	-	-	1330	1530	1710	280	1485	1585	280	1805

#### WHEELS

Type	Superelastic (SE)		Pneumatic (PN)		Cushion (CU)	
	Front	Rear	Front	Rear	Front	Rear
<b>E 8N</b>	4.00 - 8	4.00 - 4	4.00-8/12 p.r.	4.00-4/6 p.r.	'356x127x203.2	'250 x 90 x 150
	4.00 - 8 (twin)	4.00 - 4	4.00-8/12 p.r (twin)	4.00-4/6 p.r.	-	-
<b>E 10N</b>	16 x 6-8	4.00 - 4	***	***	'356x127x203.2	'250 x 90 x 150
	4.00 - 8	4.00 - 4	***	***	-	-



## E 8 - 10N

A compact, dynamic forklift truck, ideal for operating in warehouses with limited space, railway wagons, and containers.

Two traction motors have been designed specifically for this machine, and respond readily, accurately and controllably. The electronic control system manages both traction and lift and by optimizing the motor speed helps to avoid wasted energy. A push button enables both motors to drive regardless of steering position, providing additional traction if on undulating ground.

The electronic control panel, traction motor, and lift pump are easily through removable side panels providing easy maintenance.

Steering is light and accurate due to the fully hydraulic power **steering** system requiring less than 0.5 kg. of effort.

The optimized profiles of the **mast** provide greater visibility and a high residual capacity.

Simplex, duplex and triplex masts with heights up to 5600 mm are available.

**Options:** integral side shift, headlights, work lights, flashing light, reversing lights, rear view mirror, audible reverse alarm, manual reversing control, 4-way hydraulic valve, cold store specification, lowered overhead guard, mesh overhead guard, load restrainer, single and twin pneumatic tyres, cushion tyres, alternative fork lengths, simplex, duplex and triplex masts.

**Information and data reported here are not intended as binding in any way and refer to standard truck specification**