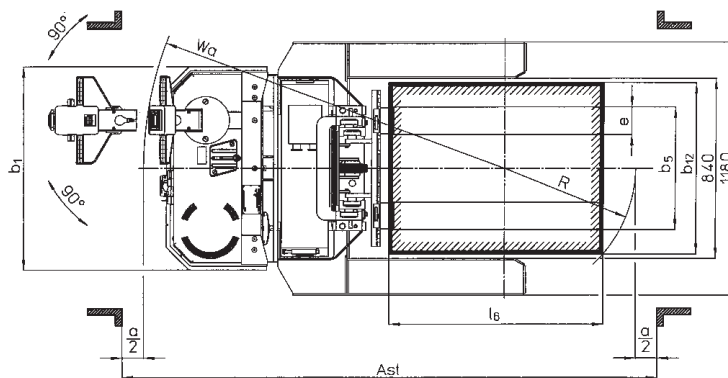
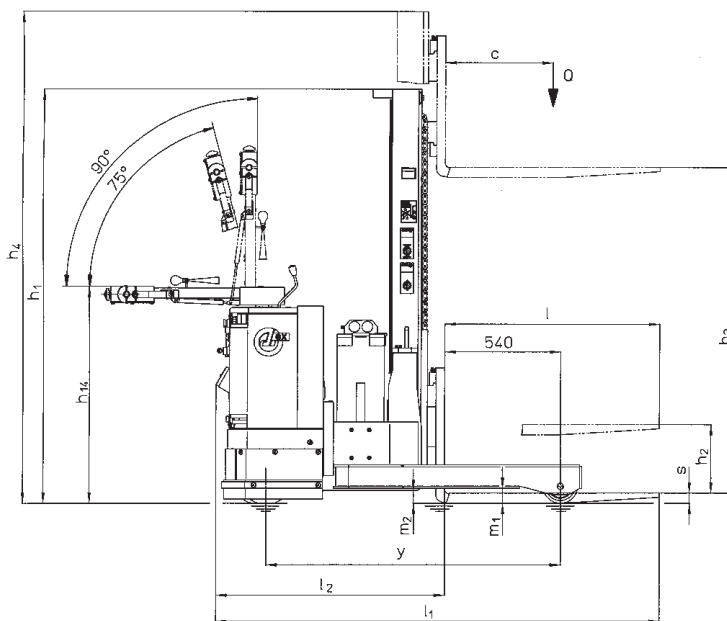




Pedestrian Electric Straddle Truck
 Explosion-proof

EGP



$$A_{st} = W_a + R + a$$

A_{st} = Aisle width between stacks

a = Safety distance = 200 mm

b_{12} = Pallet width (e.g. 800 mm)

l_6 = Pallet length (e.g. 1000 or 1200 mm)

EGP 10-15XE2 /..H2 /..ST
Technical Data

MIAG Fahrzeugbau GmbH
 Kocherstr. 1, 38120 Braunschweig
 Fon ++49 (0531) 8 66 01-0
 Fax ++49 (0531) 8 66 01-50
 www.miag.de / info@miag.de



Technical Data

(in accord. with VDI 2198)

Pedestrian Electric Straddle Truck

EGP 10-15XE2 /..H2 /..ST electronic, explosion-proof

Explosion protection: the devices are tested and approved by the Physikalisch Technische Bundesanstalt (PTB) (Physical-Technical Federal Institute) for use in areas at risk of explosion according to the following protection classes^{A*}: Gas explosion protection - suitable for use in explosive areas, zones 1 and 2 according to BetrSichV within explosion sub-groups IIA and IIB or IIB + H2 and temperature classes T1 to T4 and 120°C; Dust explosion protection: - suitable for use in explosive areas, zones 21 and 22 according to BetrSichV at surface temperatures of maximum 115°C.

Description

1.1	Manufacturer (Make [abbreviation])		MIAG	MIAG	MIAG	MIAG
1.2	Type designation of the manufacturer		EGP 10XE2 ..	EGP 12XE2 ..	EGP 15XE2 ..	EGP 15XE2 SG ..
1.3	Drive Battery, Diesel, Petrol, fuel gas, mains current		Battery	Battery	Battery	Battery
1.4	Operation Hand, Pedestrian, stand-on, driver-seated		Pedestrian	Pedestrian	Pedestrian	Pedestrian
1.5	Carrying capacity / Load	Q (t)	1,0	1,2	1,5	1,0
1.6	Load centre	c (mm)	500	500	500	500/1100
1.8	Load distance, mast lowered	x (mm)	-	-	-	-
1.9	Wheel base	y (mm)	1366	1366	1366	1366

Weights

2.1	Dead weight	kg	1650	1700	1750	1850
2.2	Axle load laden front/rear	kg	1080 / 1570	1090 / 1810	1140 / 2110	1180 / 1670
2.3	Axle load unladen front/rear	kg	1130 / 520	1150 / 550	1180 / 570	1230 / 620

Wheels, Chassis

3.1	Tyres Pneumatic, Solid, Vulcollan		Solid / Vul.	Solid / Vul.	Solid / Vul.	Solid / Vul.
3.2	Dimension in front		Ø 260 x 85	Ø 260 x 85	Ø 260 x 85	Ø 260 x 85
3.3	Dimension at the rear		Ø 160 x 100	Ø 160 x 100	Ø 160 x 100	Ø 160 x 100
3.4	Additional wheels (dimensions)		Ø 160 x 50	Ø 160 x 50	Ø 160 x 50	Ø 160 x 50
3.5	Wheels number front / rear, x=driven		2, 1x / 4	2, 1x / 4	2, 1x / 4	2, 1x / 4
3.6	Truck width front	b ₁₀ (mm)	583	583	583	583
3.7	Truck width rear	b ₁₁ (mm)	1035	1035	1035	1035

Base dimensions ***

4.2	Height of mast, lowered	h ₁ (mm)	1880	1880	1880	1880
4.3	Free lift	h ₂ (mm)	320	320	320	320
4.4	Lift at double mast	h ₃ (mm)	2600	2600	2500	2500
4.5	Height of mast, raised	h ₄ (mm)	3205	3205	3205	3205
4.9	Height of tiller arm (in drive position) min. / max.	h ₁₄ (mm)	1013	1013	1013	1013
4.19	Length total (with fork 1000 mm)	l ₁ (mm)	2060	2060	2060	2060
4.20	Length including shank	l ₂ (mm)	1060	1060	1060	1060
4.21	Width total	b ₁ (mm)	948	948	948	948
4.22	Fork dimensions	s/e / l (mm)	48/128/1000	48/128/1000	48/128/1000	55/170/1000
4.24	Fork carriage width	b ₃ (mm)	730	730	730	800
4.25	Outside spread of fork arms	b ₅ (mm)	570	570	570	570
4.31	Ground clearance with load under lifting frame	m ₁ (mm)	70	70	70	70
4.32	Ground clearance centre wheel base (lowest point)	m ₂ (mm)	60	60	60	60
4.33	Aisle width for pallets 1000x1200 *	A _{st} (mm)	2650	2650	2650	2650
4.34	Aisle width for pallets 800x1200 *	A _{st} (mm)	2488	2488	2488	2488
4.35	Turning radius *	W _ø (mm)	1677	1677	1677	1677

Performance

5.1	Speed travel laden / unladen	km / h	4,3 / 4,5	4,3 / 4,5	4,3 / 4,5	-
5.2	Speed lift laden / unladen	m / s	0,07 / 0,16	0,06 / 0,14	0,05 / 0,12	0,06 / 0,14
5.3	Speed lower laden / unladen	m / s	0,3 / 0,2	0,3 / 0,2	0,4 / 0,2	0,3 / 0,2
5.7	Climbing capacity with / without load	%	6 / 10	5 / 10	4 / 10	4 / 10
5.8	Max. gradeability laden / unladen	%	-	-	-	-
5.10	Service brake		electrical	electrical	electrical	electrical

E-Motor

6.1	Traction- / Lift motor, output / 1 hour rating	kW	2,7	2,7	2,7	2,7
6.2						
6.3	Battery according to DIN 43531 / 35 / 36, A / B / C, no		no	no	no	no
6.4	Battery voltage / Capacity K _s	V / Ah	24 / 240, 270, 315, 345, 375			
6.5	Battery weight	kg	min. 310			
6.6						

Others

8.1	Motor control type		Pulse	Pulse	Pulse	Pulse

* in accordance with FEM 4.005

** from 3300 mm lift height reduction of carrying capacity to 80 %

*** with mast design in series, further designs on request

**** depending on device version