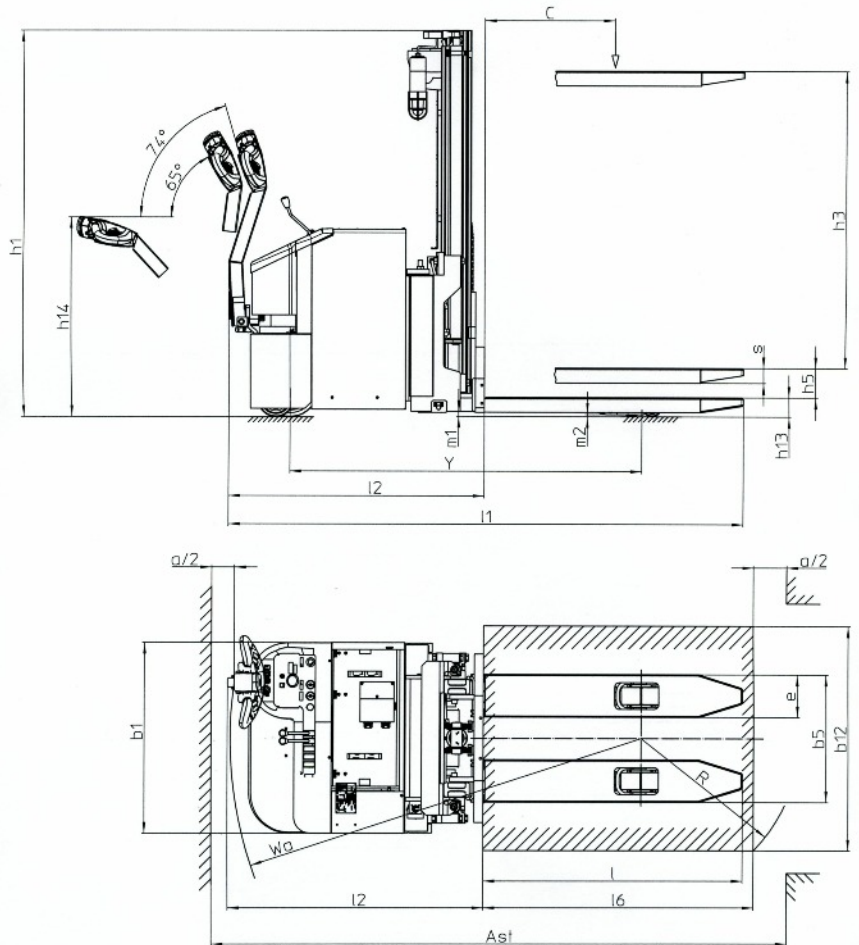




Pedestrian High Lift Pallet Truck with initial lift, explosion-proof, three-phase current techn.

EGI



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

A_{st} = Aisle width between stacks

a = Safety distance = 200 mm

b_{12} = Pallet width (e.g. 800 or 1000 mm)

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

$Q_1 = 2000$ kg
Initial lift load

EGI 12-20XE4 /..H2 /..ST Technical Data

MIAG Fahrzeugbau GmbH
Kocherstr. 1, 38120 Braunschweig
Germany
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 High Lift Pallet Truck with Initial Lift EGI 12-20XE4/ ..H2/..ST, explosion-proof, three-phase current technology

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****: Gas explosion protection - suitable for use in explosive areas, zones 1 and 2 according to GefStoffV within explosion sub-groups IIA and IIB or IIB + H₂ and temperature classes T1 to T4; Dust explosion protection: - suitable for use in explosive areas, zones 21 und 22 according to GefStoffV at surface temperatures of maximum 130°C.

Description					
1.1	Manufacturer (Make [abbreviation])		MIAG	MIAG	MIAG
1.2	Type designation of the manufacturer		EGI 12XE4 ..	EGI 15XE4 ..	EGI 20XE4 ..
1.3	Drive Battery, Diesel, Petrol, fuel gas, mains current		Battery	Battery	Battery
1.4	Operation Hand, Pedestrian, stand-on, driver-seated		Pedestrian	Pedestrian	Pedestrian
1.5	Carrying capacity / Load	Q (t)	1,2	1,5	2,0
1.6	Load centre	c (mm)	600	600	600
1.8	Load distance, mast lowered	x (mm)	-	-	-
1.9	Wheel base	y (mm)	1559	1559	1559
Weights					
2.1	Dead weight	kg	1616	1616	1616
2.2	Axle load laden front/rear	kg	1444 / 2186	1444 / 2186	1444 / 2186
2.3	Axle load unladen front/rear	kg	1082 / 534	1082 / 534	1082 / 534
Wheels, Chassis					
3.1	Tyres Pneumatic, Solid, Vulcollan		Solid / Vul.	Solid / Vul.	Solid / Vul.
3.2	Dimension in front		Ø 260 x 85	Ø 260 x 85	Ø 260 x 85
3.3	Dimension at the rear		Ø 85 x 76	Ø 85 x 76	Ø 85 x 76
3.4	Additional wheels (dimensions)		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
3.6	Truck width front	b ₁₀ (mm)	500	500	500
3.7	Truck width rear	b ₁₁ (mm)	380	380	380
Base dimensions ***					
4.2	Height of mast, lowered	h ₁ (mm)	1805	1805	1805
4.3	Free lift	h ₂ (mm)	0*	0*	0*
4.4	Lift at double mast ***	h ₃ (mm)	2500*	2500*	2500*
4.5	Height of mast, raised	h ₄ (mm)	3065*	3065*	3065*
4.6	Initial lift	h ₅ (mm)	130	130	130
4.9	Height of tiller arm (in drive position) min. / max.	h _{1,4} (mm)	864 / 1200	864 / 1200	864 / 1200
4.15	Height lowered	h ₁₃ (mm)	86	86	86
4.19	Length total	l ₁ (mm)	2282	2282	2282
4.20	Length including shank	l ₂ (mm)	1130	1130	1130
4.21	Width total	b ₁ (mm)	848	848	848
4.22	Fork dimensions	s/e / l (mm)	66/190/1150	66/190/1150	66/190/1150
4.24	Fork carriage width	b ₃ (mm)	-	-	-
4.25	Outside spread of fork arms	b ₅ (mm)	570	570	570
4.31	Ground clearance with load under lifting frame	m ₁ (mm)	20 / 150	20 / 150	20 / 150
4.32	Ground clearance centre wheel base (lowest point)	m ₂ (mm)	22 / 152	22 / 152	22 / 152
4.33	Aisle width for pallets 1000x1200 along	A _{st} (mm)	2801	2801	2801
4.34	Aisle width for pallets 800x1200 along	A _{st} (mm)	2735	2735	2735
4.35	Turning radius	W _a (mm)	1892	1892	1892
Performance					
5.1	Speed travel laden / unladen	km / h	5,8 / 6,0	5,8 / 6,0	5,8 / 6,0
5.2	Speed lift laden / unladen	m / s	0,13 / 0,13	0,13 / 0,13	0,13 / 0,13
5.3	Speed lower laden / unladen	m / s	0,4 / 0,2	0,4 / 0,2	0,4 / 0,2
5.7	Climbing capacity with / without load	%	8 / 15	7 / 15	6 / 15
5.8	Max. gradeability laden / unladen	%	-	-	-
5.10	Service brake		Electrical	Electrical	Electrical
E-Motor					
6.1	Traction motor, output / 1 hour rating	kW	1,5	1,5	1,5
6.2	Lift motor, output / 1 hour rating	kW	3,0	3,0	3,0
6.3	Battery according to DIN 43531/35/36 A, B, C, no		no	no	no
6.4	Battery voltage / Capacity K _s	V / Ah	24 / 240, 270, 315, 375		
6.5	Battery weight	kg	(175) 216 - 310	(175) 216 - 310	(175) 216 - 310
6.6					
Others					
8.1	Motor control type		frequency conv.	frequency conv.	frequency conv.

* this quotation is for the basic variant with SV mast design

**

*** with mast design in series, further designs on request, max. lift 3500 mm

**** depending on device version