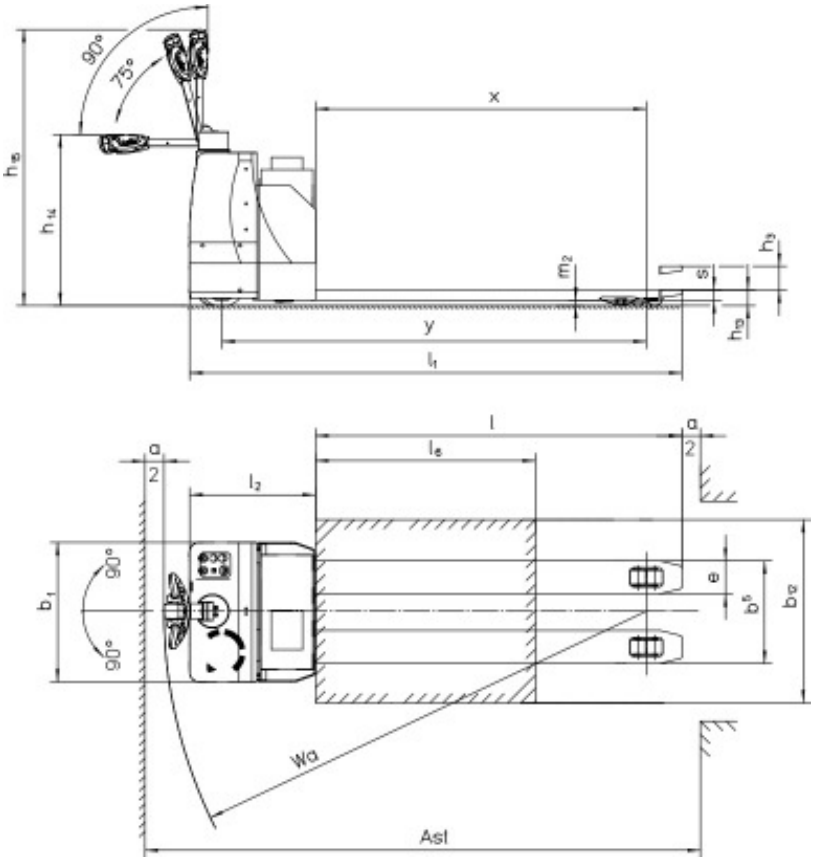
The specialist in Ex-industrial lift trucks and innovative transport systems

Pedestrian Electric PalletTruck
Explosion-proof, three-phase current techn.

EGU



$A_{st} = W_a + l_6 - x + a$

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)

EGU 12-25XE3 /..H2 /..ST
Technical Data

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Technical Data (in accord. with VDI 2198)

Pedestrian Electric Pallet Truck EGU 12-25XE3/..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 BetrSichV 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 and 22 according to BetrSichV at surface temperatures of maximum 130°C.

Description							
1.1	Manufacturer (Make [abbreviation])			MIAG	MIAG	MIAG	MIAG
1.2	Type designation of the manufacturer			EGU 12XE3 ..	EGU 16XE3 ..	EGU 20XE3 ..	EGU 25XE3 ..
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)	1,2	1,6	2,0	2,5
1.6	Load centre	c	(mm)	600	600	600	600
1.7	Rated tractive power	F	(N)	-	-	-	-
1.8	Load distance , mast lowered	x	(mm)	955	955	955	955
1.9	Wheel base	y	(mm)	1467	1467	1467	1467
Weights							
2.1	Dead weight *	kg		815	830	850	870
2.2	Axle load laden front/rear	kg		935 / 1080	1035 / 1395	1140 / 1710	1267 / 2103
2.3	Axle load unladen front/rear	kg		665 / 150	675 / 155	690 / 160	705 / 165
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 85 x 76	Ø 85 x 76	Ø 85 x 76	Ø 85 x 76
3.4	Additional wheels (dimensions)			2x Ø 160 x 50	2x Ø 160 x 50	2x Ø 160 x 50	2x 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)	438	438	438	438
3.7	Truck width rear	b_{11}	(mm)	380	380	380	380
Base dimensions							
4.4	Lift	h_3	(mm)	130	130	130	130
4.9	Height of tiller arm (in drive position) min. / max.	h_{14}	(mm)	940	940	940	940
4.12	Height of tiller arm (in parking position)	h_{15}	(mm)	1510	1510	1510	1510
4.15	Height lowered	h_{13}	(mm)	85	85	85	85
4.19	Length total	l_1	(mm)	1838	1838	1838	1838
4.20	Length including shank	l_2	(mm)	688	688	688	688
4.21	Width total	b_1	(mm)	760	760	760	760
4.22	Fork dimensions	$s/e/l$	(mm)	56/180/1150	56/180/1150	56/180/1150	56/180/1150
4.25	Outside spread of fork arms	b_5	(mm)	560	560	560	560
4.32	Ground clearence centre wheel base (lowest point)	m_2	(mm)	29	29	29	29
4.33	Aisle width for pallets 1000x1200 cross **	A_{st}	(mm)	2031	2031	2031	2031
4.34	Aisle width for pallets 800x1200 along **	A_{st}	(mm)	2231	2231	2231	2231
4.35	Turning radius **	W_a	(mm)	1786	1786	1786	1786
Performance							
5.1	Speed travel laden / unladen	km / h		5,8 / 6,0	5,8 / 6,0	5,8 / 6,0	5,8 / 6,0
5.2	Speed lift laden / unladen	m / s		0,04 / 0,05	0,035 / 0,045	0,03 / 0,04	0,026 / 0,04
5.3	Speed lower laden / unladen	m / s		0,06 / 0,04	0,06 / 0,04	0,06 / 0,04	0,06 / 0,04
5.5	Tractive power laden / unladen (outside expl.-proof area)	N		-	-	-	-
5.6	max. tractive power laden / unladen (outs. expl.-proof area)	N		-	-	-	-
5.7	Climbing capacity with / without load	%		7 / 10	6 / 10	5 / 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		2,5	2,5	2,5	2,5
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_5	V / Ah		24/240 - 375			
6.5	Battery weight	kg		(175) 216 - 310	(175) 216 - 310	(175) 216 - 310	(175) 216 - 310
6.6							
Others							
8.1	Motor control type			frequency conv.	frequency conv.	frequency conv.	frequency conv.

Subject to changes without notice / 13.03.12

* with battery 24/240

** in accord. with FEM 4.005 from 1.2005

*** depending on device version