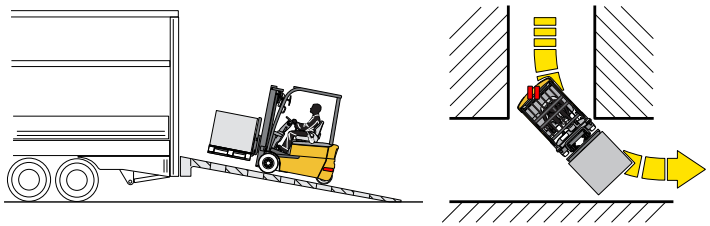
rev.01/2011

Electric forklift truck

• Ergos III 15 TA3 ac

Electric forklift truck 3-wheel front traction twin-motor AC technology, ull-free-view mast lifting from 3.300 to 6.000 mm, integrated side-shift, power steering, steering column multiple adjustable, LCD display. 3 different power output possibilities: E (economy) S (standard) H (super). Characterized by its handiness and compact dimensions, it is suitable for all commodity uses. Possibility to install batteries (48 V 625 Ah) for an extensive use in more than one shift.



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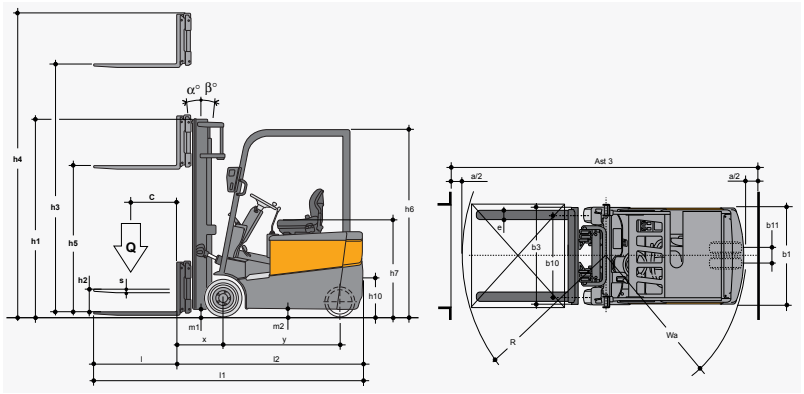
Azienda Certificata
ISO 9001:2008 N°7236 MN
ISO 9001:2008 N°23355

Characteristics	1.1	Manufacturer			**OMG S.p.A.**
	1.2	Manufacturer's model designation			**Ergos III 15 TA3 ac**
	1.3	Drive : E (electric)			E
	1.4	Type of control : S (steering wheel) R (seated)			S / R
	1.5	Load capacity		**Q (t)**	1.5
	1.6	Load centre distance		**c (mm)**	500
	1.8	Load distance, centre of drive axle to fork		**X (mm)**	410
	1.9	Wheelbase		**Y (mm)**	1.280
Weights	2.1	Service weight (battery included)		**Kg**	3.300
	2.2	Axle loading (with load)	front / rear	**Kg**	4.980 / 4.210
	2.3	Axle loading (without load)	front / rear	**Kg**	3.495 / 1.740
Wheels - Chassis	3.1	Tyres : se (superelastic)			se
	3.2	Front wheels size		**mm**	18x7-8
	3.3	Rear wheels size		**mm**	15x4 1/2-8
	3.5	Wheels : number front / rear (x = traction)			2 x / 2
	3.6	Track width, front		**b 10 (mm)**	870
	3.7	Track width, rear		**b 11 (mm)**	195
Dimensions	4.1	Mast tilting forward / backward		a / b	5 / 7
	4.2	Lowered mast height		**h1 (mm)**	2.130
	4.3	Free lift		**h5 (mm)**	/
	4.4	Lifting height		**h3 (mm)**	3.270
	4.5	Extended mast height		**h4 (mm)**	4.520
	4.6	Free lift		**h2 (mm)**	135
	4.7	Overhead guard (cab)		**h6 (mm)**	2.070
	4.8	Seat height		**h7 (mm)**	1.050
	4.12	Coupling height		**h10 (mm)**	530
	4.19	Total length		**l1 (mm)**	3.050
	4.20	Length to forks face		**l2 (mm)**	1.900
	4.21	Overall width		**b1 / b2 (mm)**	1.070
	4.22	Forks dimensions		**s / e / l**	30 / 100 / 1.150
	4.23	Fork carriage Class / Type A, B			II A
	4.24	Fork carriage width		**b3 (mm)**	920
	4.31	Ground clearance, under the mast	laden	**m1 (mm)**	100
	4.32	Ground clearance, centre of wheelbase	laden	**m2 (mm)**	100
	4.33	Aisle width with pallets 1000 x 1200 forking side 1200		**Ast3 (mm)**	2.890
	4.34	Aisle width with pallets 800 x 1200 forking side 800		**Ast3 (mm)**	3.090
	4.35	Turning radius		**Wa (mm)**	1.520
	4.36	Smallest pivot point distance		**b13 (mm)**	
Performances	5.1	Travel speed	laden / unladen	**Km / h**	11 / 13
	5.2	Lifting speed	laden / unladen	**m / s**	0.25 / 0.44
	5.3	Lowering speed	laden / unladen	**m / s**	0.49 / 0.38
	5.5	Drawbar pull		**N**	17.520
	5.6	Max drawbar pull		**N**	
	5.7	Gradient performance		**%**	
	5.8	Max gradient performance		**%**	16 / 27
	5.9	Acceleration time (10 m)		**s**	5.3 / 4.9
	5.10	Service brake M (mechanical) I (hydraulic) IV (inversion braking)			I
El. Motor	6.1	Traction motor, rating S2 60 min		**KW**	6.5 x 2
	6.2	Lifting motor, rating S3 15%		**KW**	12
	6.3	Battery according DIN 43531 / 35 / 36 A, B, C, no			no
	6.4	Battery voltage, nominal capacity K5		**V / Ah**	48 / 575
	6.5	Battery weight (± 5 %)		**Kg**	845
	6.6	Battery consumption according VDI cycle		**KWh / h**	
Others	8.1	Type of travel control			INVERTER
	8.2	Operating pressure for attachments		**bar**	160
	8.3	Oil volume for attachments (max available)		**l / min**	25
	8.4	Sound level at driver's ear		**dB (A)**	< 70
	8.5	Tow coupling, type DIN			

Technical specification according VDI 2198

Information and data are given for information only, OMG S.p.A. will have the sole right for technical changes and improvements without giving any notice.

servo-steering	s	extra hydraulic function	o
adjustable steering column	s	backwards light	s
LCD display	s	working lights	s
BDI/hour meter with lifting cut-off at 80% discharge	s	complete cabin	o
steering wheel position indicator	s	half cabin	o
traction speed visualization	s	no marking tyres	o
3 different power output possibilities	s	cold store execution	o
wide visibility mast	s	side-shift	o
s=standard		o=option	



		Ergos III 15 TA3 AC					
						c=500 mm	c=600 mm
h3		**h1**	**h4**	**h2**	**h5**	**(Q) t**	**(Q) t**
3.270 * dx	mm	2.130	4.520	135	1.490	1.5	1.2
3.470 * dx	mm	2.230	4.720	135	1.590	1.5	1.2
3.970 dx	mm	2.530	5.220	135	/	1.5	1.2
4.470 tx ffl	mm	2.080	5.720	/	1.440	1.1	0.9
4.770 tx ffl	mm	2.130	6.020	/	1.490	1.0	0.8
4.970 tx ffl	mm	2.230	6.220	/	1.590	0.9	0.75
5.970 tx ffl	mm	2.630	7.220	/	1.990	0.45	0.38

* duplex FFL mast h1 + 50 mm

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