



3 WHEEL ELECTRIC FORKLIFTS

TECHNICAL SPECIFICATIONS

		Unit			
GENERAL CHARACTERISTICS	Manufacturer's type designation		CY16E	CY18E	CY20E
	Drive type		Electric	Electric	Electric
	Type of operation		Seat	Seat	Seat
	Load capacity/rated load	Q kg	1.600	1.800	2.000
	Load centre distance	c mm	500	500	500
	Load distance, centre of drive axle to fork frame	x mm	395	395	395
	Wheelbase	y mm	1.350	1.450	1.450
WEIGHT	Service weight	kg	3.085	3.185	3.295
	Axle load, front/rear	kg	4.185/500	4.400/585	4.700/595
	Axle load, front/rear	kg	1.505/1.580	1.535/1.650	1.495/1.800
TIRES and CHASSIS	Tires air - rubber		V	V	V
	Tire size, front		18x7-8	18x7-8	200/50-10
	Tire size, rear		15x4 1/2-7	15x4 1/2-7	15x4 1/2-7
	Wheels, front/rear (x = driven wheels)		2/2	2/2	2/2
	Track width, front	mm	1.000	1.000	1.000
	Track width, rear	mm	175	175	175
DIMENSIONS	Mast/fork carriage tilt forward/backward a/ 3 (°)	Derece a/b	5/7	5/7	5/7
	Lowered mast height h, (mm)	h1 mm	2.117	2.117	2.117
	Free lift	h2 mm	135	135	135
	Lift height	h3 mm	3.300	3.300	3.300
	Extended mast height	h4 mm	4.300	4.300	4.300
	Overhead load guard (cab) height	h5 mm	1.985	1.985	1.995
	Height of operator chair	h7 mm	870	870	880
	Height of coupling	h10 mm	480	480	480
	Overall length with forks	l1 mm	2.945	3.045	3.060
	Length to fork frame	l2 mm	2.025	2.125	2.135
	Overall width	b1 mm	1.120	1.120	1.120
	Fork dimensions	s/e/l mm	40/100/920	40/100/920	40/100/925
	Fork type		2A	2A	2A
	Fork frame width	b3 mm	970	970	970
	Ground clearance, under mast	m1 mm	82	82	92
	Ground clearance, centre of wheelbase	m2 mm	95	95	105
	Aisle width for pallets 1000x1200 crossways	Ast mm	3.225	3.275	3.285
	Turning radius	Wa mm	1.630	1.680	1.690
PERFORMANCES	Travel speed, load/unloaded km/h	(48V) km/s	16	16	16
		(36V) km/s	-	-	-
	Lift speed, load/unloaded m/s	(48V) mm/s	410/550	410/550	410/550
		(36V) mm/s	-	-	-
	Lowering speed, loaded/unloaded m/s	mm/s	500/450	500/450	500/450
	Drawbar pull, loaded/unloaded N	(yüklü) N	15.1	15.2	14.36
		(yüksüz) N	14.7	14.7	14
	Service brake	(yüklü) %	29.5	27.5	24.5
ELECTRIC MOTOR	Drive motor rating S2 1hr	(24V/32V) kW	5.2 / 7.1	5.2 / 7.1	5.2 / 7.1
	Pump Engine Performance	(30V) kW	15.8	15.8	15.8
	Battery voltage at nominal capacity	Ah	625	625	625
	Battery weight	kg	860	860	860
	Battery dimensions	mm	628/827/630	628/827/630	628/827/630
OTHER	Drive contrbtype		AC	AC	AC

CY16E/18E/20E MAST TECHNICAL SPECIFICATIONS

Lift Type		Mast lowered (mm)	Max Mast Height (mm)	Free-Lift (mm)		Mast tilt, backward / forward		Capacity table without sideshift, (kg) c = 500 mm			Capacity table with = 500 mm			Approx. Total Wgt. of Standard Equipped Truck w/o Load		
				With Protective	Without Preservative											
		16/18/20E	16/18/20E	16/18/20E	16/18/20E	Forward	Back	16E	18E	20E	16E	18E	20E	16E	18E	20E
Two-stage Mast	CDE250	1,730	2,530	135	135	5	7	1,600	1,800	2,000	1,500	1,700	1,900	3,040	3,140	3,250
	CDE270	1,830	2,730	135	135	5	7	1,600	1,800	2,000	1,500	1,700	1,900	3,060	3,160	3,270
	CDE300	1,970	3,030	135	135	5	7	1,600	1,800	2,000	1,500	1,675	1,895	3,080	3,180	3,290
	*CDE330	2,120	3,325	135	135	5	7	1,600	1,800	2,000	1,500	1,650	1,890	3,085	3,185	3,295
	CDE400	2,480	4,030	135	135	5	7	1,600	1,800	2,000	1,500	1,650	1,890	3,120	3,220	3,330
	CDE450	2,830	4,530	135	135	5	5	1,550	1,750	1,950	1,450	1,600	1,840	3,160	3,260	3,370
	CDE500	3,080	5,030	135	135	5	5	1,500	1,700	1,900	1,400	1,550	1,790	3,200	3,300	3,410
Three-stage Mast	CTE370	1,780	3,740	780	1,280	5	5	1,600	1,800	2,000	1,500	1,700	1,900	3,200	3,300	3,410
	CTE400	1,870	4,040	880	1,380	5	5	1,600	1,750	1,950	1,500	1,650	1,850	3,120	3,320	3,430
	CTE430	1,980	4,340	980	1,480	5	5	1,600	1,750	1,900	1,500	1,650	1,800	3,240	3,340	3,450
	CTE450	2,080	4,540	1,080	1,580	5	5	1,500	1,700	1,900	1,400	1,550	1,790	3,260	3,360	3,470
	*CTE470	2,130	4,740	1,130	1,630	5	5	1,450	1,650	1,850	1,350	1,500	1,740	3,320	3,420	3,550
	CTE500	2,230	5,040	1,230	1,730	5	5	1,400	1,600	1,800	1,300	1,450	1,700	3,370	3,470	3,600
	CTE550	2,430	5,540	1,430	1,930	5	5	1,375	1,425	1,750	1,300	1,350	1,650	3,390	3,490	3,620
	CTE600	2,630	6,040	1,630	2,130	5	5	925	1,000	1,400	900	930	1,275	3,420	3,520	3,650
	CTE650	2,830	6,540	1,830	2,330	5	5	900	950	1,300	820	900	1,225	3,440	3,540	3,675
	CTE700	3,030	7,040	2,030	2,530	5	5	700	650	900	600	600	850	3,460	3,460	3,695

* STANDARD

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