XE Series Electric Forklift Truck With Lithium Power Specification

Distinguishing mark	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.															
	1.2	Manufacturer's type designation		CPD15-XEY2-SI	CPD18-XEY2-SI	CPD20-XEXY2-SI	CPD20-XEY2-SI	CPD25-XEY2-SI	CPD20-XEY2H-SI	CPD25-XEY2H-SI	CPD30-XEY2-SI	CPD35-XEY2-SI	CPD38-XEY2-SI	CPD30-XEY2H-SI	CPD35-XEY2H-SI	CPD38-XEY2H-SI	CPD30-XEY2H1-SI	CPD35-XEY2H1-SI	CPD38-XEY2H1-SI
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Rated capacity/rated load	kg	1351	1622	1801	1812	2265	1812	2265	2722	3177	3449	2722	3177	3449	2722	3177	3449
	1.6	Load centre distance	c (mm)	600	600	600	600	500	600	600	600	600	600	600	600	600	600	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	405	410	405	462.5	462.5	462.5	462.5	477.5	482.5	482.5	477.5	482.5	482.5	477.5	482.5	482.5
	1.9	Wheelbase	y (mm)	1450	1450	1450	1650	1650	1650	1650	1750	1750	1750	1750	1750	1750	1750	1750	1750
Weight	2.1	Service Weight	kg	2850	3100	3200	3450	3840	3495	3885	4250	4630	4860	4310	4690	4920	4440	4820	5050
	2.2	Axle loading, laden front/rear	kg	4200/650	4450/650	4570/630	4720/730	5510/830	4740/755	5530/855	6350/900	7170/960	7650/1010	6370/940	7190/1000	7670/1050	6480/960	7300/1020	7780/1070
	2.3	Axle loading, unladen front/rear	kg	1170/1680	1200/1900	1260/1940	1550/1900	1580/2260	1570/1925	1600/2285	1730/2520	1760/2870	1780/3080	1720/2590	1770/2920	1790/3130	1775/2665	1815/3005	1830/3220
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
	3.2	Tyre size, front		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR
	3.3	Tyre size, rear		5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
	3.5	Wheels, number front / rear (x = driven wheels)		2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
	3.6	Tread, front	b_{10} (mm)	890	890	890	965	965	965	965	1005	1005	1005	1005	1005	1005	1005	1005	1005
	3.7	Tread, rear	b_{11} (mm)	897.5	897.5	897.5	973	973	973	973	975	975	975	975	975	975	975	975	975
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
	4.2	Height, mast lowered	h_1 (mm)	1995	1995	1995	1999	1999	1999	1999	2054	2169	2169	2054	2169	2169	2054	2169	2169
	4.3	Free lift	h_2 (mm)	155	155	160	160	160	160	160	165	170	170	165	170	170	165	170	170
	4.4	Lift	h_3 (mm)	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
	4.5	Height, mast extended	h_4 (mm)	3955	3955	3955	4046	4046	4046	4046	4145	4145	4145	4145	4145	4145	4145	4145	4145
	4.7	Height of overhead guard (cabin)	h_6 (mm)	2155	2155	2155	2165	2165	2165	2165	2180	2180	2180	2180	2180	2180	2180	2180	2180
	4.8	Seat height/stand height	h_7 (mm)	1101	1101	1101	1111	1111	1111	1111	1126	1126	1126	1126	1126	1126	1144	1144	1144
	4.12	Coupling height	h_{10} (mm)	500	500	500	500	500	500	500	515	515	515	515	515	515	515	515	515
	4.19	Overall length	l_1 (mm)	3150	3150	3150	3570	3570	3570	3570	3735	3740	3740	3735	3740	3740	3735	3740	3740
	4.20	Length to face of forks	l_2 (mm)	2230	2235	2230	2500	2500	2500	2500	2665	2670	2670	2665	2670	2670	2665	2670	2670
	4.21	Overall width	b_1/b_2 (mm)	1126	1126	1126	1225	1225	1225	1225	1225	1225	1225	1225	1225	1225	1225	1225	1225
	4.22	Fork dimensions	s / e / l (mm)	35x100x920	35x100x920	40x100x920	40/122/1070	40/122/1070	40/122/1070	40/122/1070	45/122/1070	50/122/1070	50/122/1070	45/122/1070	50/122/1070	50/122/1070	45/122/1070	50/122/1070	50/122/1070
	4.23	Fork carriage ISO 2328, class/type A,B		ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 3A	ISO2328 3A	ISO2328 3A	ISO2328 3A	ISO2328 3A	ISO2328 3A	ISO2328 3A	ISO2328 3A	ISO2328 3A
	4.24	Fork-carriage width	b_3 (mm)	1000	1000	1000	1038	1038	1038	1038	1100	1100	1100	1100	1100	1100	1100	1100	1100
	4.31	Ground clearance, laden, below mast	m_1 (mm)	115	115	115	125	125	125	125	139	139	139	139	139	139	139	139	139
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	130	130	130	140	140	140	140	155	155	155	155	155	155	155	155	155
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	A_{st} (mm)	3640	3645	3640	3862.5	3862.5	3862.5	3862.5	4027.5	4032.5	4032.5	4027.5	4032.5	4032.5	4097.5	4102.5	4102.5
	4.34.2	Aisle width for pallets 800 x 1200 lengthways		3840	3845	3840	4062.5	4062.5	4062.5	4062.5	4227.5	4232.5	4232.5	4227.5	4232.5	4232.5	4297.5	4302.5	4302.5
	4.35	Turning radius	W_a (mm)	2035	2035	2035	2200	2200	2200	2200	2350	2350	2350	2350	2350	2350	2420	2420	2420
	4.36	Internal turning radius	b_{13} (mm)	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Performance data	5.1	Travel speed, laden/unladen	km/h	15/15	15/15	15/15	14/15	14/15	17/18	17/18	14/15	14/15	14/15	17/18	17/18	17/18	17/18	17/18	17/18
	5.2	Lift speed, laden/unladen	mm/s	300/430	300/430	300/430	290/400	290/400	400/500	400/500	290/400	290/350	290/350	400/500	350/440	350/440	400/500	350/440	350/440
	5.3	Lowering speed, laden/unladen	mm/s	490/560	490/560	490/560	440/370	440/370	500/390	500/390	440/370	440/370	440/370	470/420	470/420	470/420	500/390	500/390	500/390
	5.6	Max. Drawbar pull, laden/unladen	N	7000	7000	7000	11000	11000	11000	11000	11000	11000	11000	13000	13000	13000	13000	13000	13000
	5.8	Max. gradeability, laden/unladen	%	18/25	16/25	15/25	18/25	18/25	20/25	20/25	18/25	16/25	15/25	20/25	18/25	17/25	20/25	18/25	17/25
	5.9	Acceleration time, laden/unladen (0-10m)	s	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	5.11	Parking brake		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Electric-engine	6.1	Drive motor rating S2 60 min	kW	10AC	10AC	10AC	15AC	15AC	16AC	16AC	15AC	15AC	15AC	16AC	16AC	16AC	16AC	16AC	16AC
	6.2	Lift motor rating at S3 15%	kW	13AC	13AC	13AC	16AC	16AC	24AC	24AC	16AC	16AC	16AC	24AC	24AC	24AC	24AC	24AC	24AC
	6.3	Battery acc. to DIN 43531/35/36 A,B,C, no		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	6.4	Battery voltage, nominal capacity K5	(V)/(Ah) or kWh	80/160	80/160	80/160	80/230	80/230	80/304	80/304	80/230	80/230	80/230	80/304	80/304	80/304	80/460	80/460	80/460
	6.5	Battery weight	kg	140	140	140	180	180	225	225	200	200	200	240	240	240	310	310	310
Addition data	10.1	Operating pressure for attachments	MPa	15	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	21	18.5	18.5	21	18.5	18.5	21
	10.2	Oil volume for attachments	ℓ/min	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65