

HYTSU®

T&U®

S100 SERIES 1.2-1.8t



3 - WHEELS ELECTRIC FORKLIFT TRUCK

FE12S 1200kg/500mm
FE18S 1800kg/500mm

FE15S 1500kg/500mm



**AC LIFTING
+
AC DRIVING**

STANDARD SPECIFICATION

Manufacturer		HYTSU GROUP		
Model designation		FE12S	FE15S	FE18S
Power unit	V	48	48	48
Type of operation		Drive seated	Drive seated	Drive seated
Load capacity	kg/lb.	1200/2600	1500/3300	1800/3900
Load center	mm/in.	500/19.7	500/19.7	500/19.7
Fork overhang (Axle center to fork face)	mm/in.	368/14.5	368/14.5	368/14.5
Wheelbase	mm/in.	1250/49	1250/49	1360/53
Service weight (with battery) ¹⁾	kg/lb.	2920/6430	3080/6784	3160/6960
Axle load with load, front/rear ¹⁾	kg/lb.	3690/230 (8128/506)	4340/270 (9559/595)	4670/290 (10286/638)
Axle load without load, front/rear ¹⁾	kg/lb.	1490/1430 (3280/3150)	1570/1500(3458/3300)	1620/1540(3568/3390)
Tyre size, front		18X7-8	18X7-8	18X7-8
Tyre size, rear		15X4.5-8	15X4.5-8	15X4.5-8
Wheels, number front/rear (x=driven)		2/2	2/2	2/2
Tread width, front	mm/in.	890 / 35	890 / 35	890 / 35
Tread width, rear	mm/in.	185 / 7.3	185 / 7.3	185 / 7.3
Mast/fork carriage tilt, forward/backward	deg	5°/6°	5°/6°	5°/6°
Height of mast, fork lowered	mm/in.	2135 / 84	2135 / 84	2135 / 84
Operation type options		Economic / Standard / High		
Maximum fork height	mm/in.	3300 / 130	3300 / 130	3300 / 130
Height of mast, extended	mm/in.	4360 / 172	4360 / 172	4360 / 172
Height of overhead guard	mm/in.	1990 / 78	1990 / 78	1990 / 78
Height of seat	mm/in.	885 / 35	885 / 35	885 / 35
Tow coupling height	mm/in.	520 / 20	520 / 20	520 / 20
Overall length	mm/in.	2780 / 110	2780 / 110	2780 / 110
Length to fork face	mm/in.	1035 / 40.8	1035 / 40.8	1035 / 40.8
Overall width	mm/in.	1050 / 41.3	1050 / 41.3	1050 / 41.3
Standard fork dimensions (L x W x T)	mm/in.	920X100X35 (36X4X1.4)	920X100X35 (36X4X1.4)	920X100X35 (36X4X1.4)
Fork carriage type/class		2A	2A	2A
Width of fork carriage	mm/in.	1070 / 42	1070 / 42	1070 / 42
Ground clearance, mast	mm/in.	70 / 2.8	70 / 2.8	70 / 2.8
Ground clearance, center of wheelbase	mm/in.	80 / 3.2	80 / 3.2	80 / 3.2
Aisle width with pallets 1000Lx1200W across forks(clearance=200mm)	mm/in.	2475 / 97.4	2475 / 97.4	2475 / 97.4
Aisle width with pallets 800W x1200L along forks(clearance=200mm)	mm/in.	2340 / 92	2340 / 92	2340 / 92
Outside turning radius	mm/in.	1400 / 55	1400 / 55	1520 / 60
Travel speed, with/without load ²⁾	km/h	14.5/16.5	14.5/16.5	14.5/16.5
Lifting speed, with/without load ²⁾	mm/s	410/460 (16/18)	410/460 (16/18)	400/460 (15.5/18)
Lowering speed, with/without load	mm/s	440/400 (17.3/15.5)	440/400 (17.3/15.5)	450/410 (17.7/16)
Maximum drawbar pull, with/without load ²⁾	KN	9/11.5	9/11.5	6/11.5
Maximum gradeability, with load/without load ²⁾	%	20/20	20/20	20/20
Acceleration, with/without load(first 10m) ²⁾	sec.	5.2/4.8	5.2/4.8	5.2/4.8
Brake system	Service brake	Foot—Hydraulic wet disk		
	Parking brake	Lever-Hydraulic wet disk		
Steering system		Hydraulic power steering		
Drive motor, 2 minute rating	KW	6.5X2	6.5X2	65.5X2
Lift motor, 5 minute rating	KW	12	12	12
Drive motor, 2 minute rating		DIN43531A	DIN43531A	DIN43531A
Battery voltage/rated capacity (5h) ³⁾	V/Ah	48/400	48/400	48/400
Battery weight (±5%)	kg/lb.	800 / 1760	800 / 1760	800 / 1760
Type of drive control		SME	SME	SME
Working pressure for attachments	kg/cm ²	160	160	160
Tow coupling, type		S	S	S

NOTE: 1) Max. battery weight 2) Standard mode 3) Max. battery capacity

