

HYTSU®

T&U®

S100 SERIES 1-1.8 t



**DIESEL POWERED
GASOLINE POWERED (LPG)**

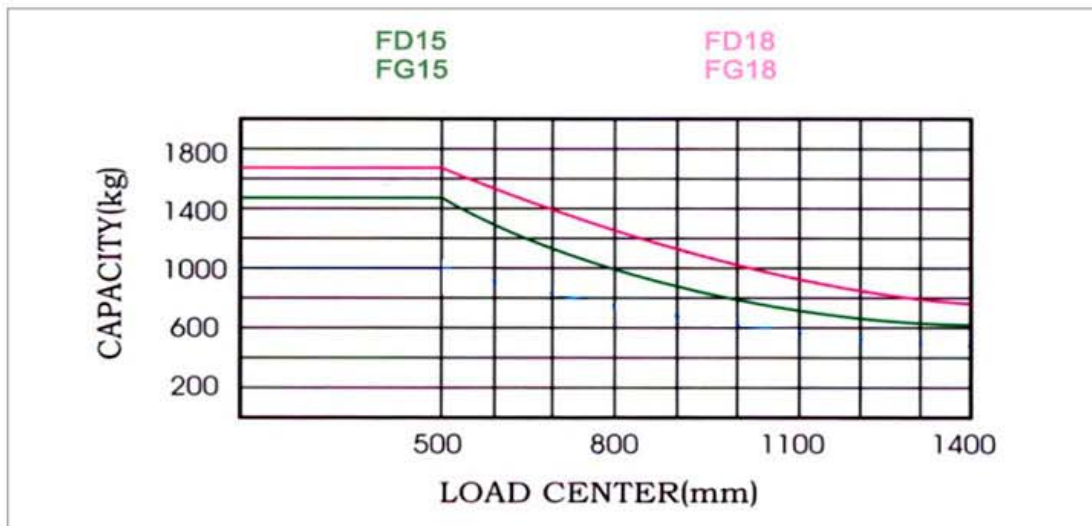
FD15 1500kg/500mm
FD18 1800kg/500mm

FG15 1500kg/500mm
FG18 1800kg/500mm



STANDARD SPECIFICATION

				HYTSU GROUP			
Characteristics	1	Manufacturer					
	2	Model		FG 15T	FG 18T	FD15T	FD18T
	3	Load Capacity		kg/lb.	1500 / 3300	1800 / 3960	1500 / 3300 1800 / 3960
	4	Load Center		mm/in.	500 / 19.7		500 / 19.7
	5	Power Type		Gas/Petrol			Diesel
	6	Control Type		Sit Down Rider Type			Sit Down Rider Type
	7	Tire Type	Front/Rear	Pneumatic			Pneumatic
	8	Wheels(X=driven)	Front/Rear	2x2/2			2x2/2
Dimensions	9	Maximum Fork Height		mm/in.	3000 / 118		3000 / 118
	10	Free Lift		mm/in.	160 / 6.3		160 / 6.3
	11	Fork Size	LxWxT	mm/in.	920x100x35 / 36x3.9x1.6		920x100x35 / 36x3.9x1.6
	12	Tilt Angle	Fwd/Bwd	deg	6 / 12		6 / 12
	13	Length to Fork Face		mm/in.	2290 / 90	2320 / 91.3	2290 / 90 2320 / 91.3
	14	Overall Width		mm/in.	1095 / 43		1095 / 43
	15	Mast Height Fork Lowered		mm/in.	1995 / 78.5		1995 / 78.5
	16	Overall Height Fork Raised		mm/in.	4030 / 158.7		4030 / 158.7
	17	Overhead Guard Height		mm/in.	2075 / 81.5		2070 / 81.5
	18	Turning Radius (Outside)		mm/in.	1950 / 77	1990 / 78.3	1950 / 77 1990 / 78.3
	19	Load Distance (Centerline of front axle to front face of forks)		mm/in.	430 / 17		430 / 17
	20	Minimum Aisle-90° stack (Add load length and clearance)		mm/in.	1780 / 70	1820 / 71.5	1780 / 70 1820 / 71.5
Performance	21	Speed	Travel Max.	With Load	km/h	13.5	
			(Fwd/Rvs)	Without Load	km/h	14.5	
	22	Lifting	With Load	mm(in.)/s	450 (17.7)		450 (17.7)
			Without Load	mm(in.)/s	510 (20)		510 (20)
	23	Lowering	With Load	mm(in.)/s	450 (17.7)		450 (17.7)
			Without Load	mm(in.)/s	550 (21.6)		550 (21.6)
24	Max. Drawbar Pull	(**T) With/Without Load	kg/lb.	1450 / 760 (3196 / 1675)		1450 / 760 (3196 / 1675)	
25	Max. Gradeability **	(**T) With/Without Load	%	37 / 22	23 / 18	37 / 22 23 / 18	
Weight	26	Dead Weight		kg/lb.	2740 / 6035	2940 / 6476	2740 / 6035 2940 / 6476
	27	Weight Distribution	With Load	Front	kg/lb.	3790 / 8348	4170 / 9185
				Rear	kg/lb.	450 / 990	570 / 1255
	28	Without Load	Front	kg/lb.	1096 / 2414	1175 / 2588	1096 / 2414 1175 / 2588
Rear			kg/lb.	1644 / 3620	1765 / 3888	1644 / 3620 1765 / 3888	
Chassis	29	Tire	Number	Front/Rear	2 / 2		2 / 2
			Size	Front	6.50-10-10PR		6.50-10-10PR
	31		Rear	5.00-8-8PR		5.00-8-8PR	
	32	Wheelbase		mm/in.	1400 / 77.2		1400 / 77.2
	33	Tread	Front	mm/in.	890 / 35		890 / 35
			Rear	mm/in.	920 / 36.2		920 / 36.2
	35	Groundclearance	At lowest point (Mast)	mm/in.	110 / 4.3		110 / 4.3
			Frame	mm/in.	115 / 4.5		115 / 4.5
37	Brake	Service	Hydraulic-Foot pedal			Hydraulic-Foot pedal	
		Parking	Mechanical-Hand lever			Mechanical-Hand lever	
Engine and Transmission	39	Battery	Voltage / Capacity	V/AH	12 / 60		12 / 80
	40	Internal Combustion Engine	Model	MITSUBISHI 4G64 / NISSAN K21			ISUZU C240P KJ
			Rated Horsepower	KW(HP)/r.p.m	42.5(57)/2500 / 40.5(54.3)/2700		38.3(52) / 2500
			Rated Torque	NM/r.p.m.	161/1600 / 154/2000		154 / 1800
			Number of Cylinder	4			4
			Displacement	cc	2350 / 2065		2369
			Fuel Tank Capacity	lit	38		38
44	Transmission	Number of Speed Fwd/Rvs-Type	Power shift T/M	1-1 Power shift T/M		1-1 Power shift T/M	



Note:

Vertical axle stands for load capacity while horizontal axle stands for load center. Load center is the distance counted from the front of the cubic with the same 1000mm dimension in length, width and height. The load capacity should be down, if mast tilts forward, using nonstandard forks or loading goods with extra width. Please notice the different load capacity between different load centers according to load chart.



Air Filter of Air Intake System
Adopt two air filter, effectively prevent dirt from inhaling. Prolonged the service life of the engine



The Sound-absorbed Materials

- Heat-insulation/vibration absorbing
- Lowest noise
- Rubber sealing packing at the gap between engine hood and truck body



New Engine with Low Consumption Standard
-ISUZU C240PKJ diesel engine
Rated Power 52 ps / 2500 r.p.m
Rated output 2369 cc



New Engine with Low Consumption Standard
-MITSUBISHI 4G64 gasoline engine
Rated Power 57 ps / 2500 r.p.m
Rated output 2350 cc
-NISSAN K21 gasoline engine
Rated Power 54.3 ps / 2500 r.p.m
Rated output 2065 cc

STANDARD EQUIPMENT

- Hour meter
- Class II (III) carriage
- Load backrest
- Lamp guard
- Full hydraulic power steering
- Overhead guard
- Drawbar pin
- Toggle type parking brake lever
- Lift and tilt levers
- Dipstick for convertor oil
- Dipstick for hydraulic oil
- Return hydraulic filter
- Lift circuit cut-off valve
- Operator tool kits
- Rear combination lamp
- Tilt adjustable steering post
- Back-up buzzer
- Water temperature meter
- Neutral safety switch (Tor-Con)
- Rubber floor mat
- Overhead guard raincoat
- Headlight
- Engine oil pressure warning indicator
- Charge indicator
- Engine auto glow system (C)
- Engine after glow system (C)
- Ignition key engine stop (C)
- Hand grip
- Air intake device
- Horn
- Radiator reservoir
- Wide view mast
- Standard fork
- Turning signal lamp
- Standard seat
- Tilt lock valve
- 2-spool control valve
- Convertor oil filter
- Side rollers
- Fuel meter
- Air cleaner
- Tyre
- Rear view mirror

OPTIONAL EQUIPMENT AND ACCESSORIES

- Front dual wheels and fender extension
- Solid tires
- Cabin
- Heater for cabin
- Color tire
- Power clutch
- Dual air cleaner
- Suspension seat
- Smoke reduction/spark arrester muffler
- Overhead exhaust
- Fire extinguisher
- Tilt cylinder boots
- Steering cylinder boot
- LPG exclusive or dual fuel package
- Rear working light
- Custom coloring paint
- Auxiliary hydraulic valve modules
- Rear view mirrors
- Steel mesh for protection
- LPG tilt seat
- Tor-con oil temperature meter
- Catalytic muffler

DESCRIPTION FOR THE MODEL OF FORKLIFT

FG - Gasoline torque converter type forklift

FD - Diesel torque type forklift

Note:

HYTSU GROUP industrial trucks are equipped with certain safety devices as standard equipment

HYTSU GROUP will not assume any liability for damage arising from or caused by the removal of any safety devices from any of its products



WIDE VIEW MAST VM

Mast model	Max.fork height (mm/in.)	Capacity at 500mm : Load center (kg/lb.)		Overall Mast Height at Lowered (mm/in.)	Tilting Angle Fwd/Bwd deg	Dead Weight (kg/lb.)	
		FG15 FD15	FG18 FD18			1 ~ 1.5t	FG15 FD15
VM 250	2500/98	1500/3300	1800/3968	1745/69	6-12	2700/5952	2900/6392
VM 270	2700/106	1500/3300	1800/3968	1845/73	6-12	2715/5985.5	2915/6425.5
VM 300	3000/118	1500/3300	1800/3968	1995/78	6-12	2740/6040.5	2940/6480.5
VM 330	3300/130	1500/3300	1800/3968	2145/84	6-12	2765/6096	2965/6536
VM 350	3500/138	1500/3300	1800/3968	2245/88	6-12	2780/6129	2980/6569
VM 400	4000/157	1500/3300	1800/3968	2545/100	6-6 *6-12	2840/6261	3040/6701
VM 450	4500/177	1300/2866 *1400/*3086	1600/3525 *1700/*3748	2795/110	6-6 *6-12	2880/6349	3080/8194
VM 500	5000/197	850/1874 *1100/*2425	1050/2315 *1600/*3525	3045/120	6-6 *6-6	2920/6347.5	3120/6887.5
VM 550	5500/216	*800/*1764	*1100/*2425	3345/132	*3-6	3115/6867	3315/7307
VM 600	6000/236	*650/*1433	*900/*1985	3595/142	*3-6	3155/6955	3355/7395

WIDE VIEW FULL FREE 2-STAGE MAST VFM

Mast model	Max.fork height (mm/in.)	Capacity at 500mm : Load center (kg/lb.)		Overall Mast Height at Lowered (mm/in.)	Free Lift With Backrest (1) 1.5 ~ 1.8t (mm/in.)	Tilting Angle Fwd/Bwd deg	Dead Weight (kg/lb.)	
		FG15 FD15	FG18 FD18				1.5 ~ 1.8t (mm/in.)	FG15 FD15
VFM 250	2500/98	1500/3300	1800/5500	1745/69	745/29	6-12	2745/6051.5	2945/6491.5
VFM 270	2700/106	1500/3300	1800/5500	1845/73	845/33	6-12	2760/6084.5	2960/6524.8
VFM 300	3000/118	1500/3300	1800/5500	1995/78	995/39	6-12	2790/6150	2990/6590
VFM 330	3300/130	1500/3300	1800/5500	2145/84	1145/45	6-12	2815/6206	3015/6646
VFM 350	3500/138	1500/3300	1800/5500	2245/88	1245/49	6-12	2830/6239	3030/6679
VFM 370	3700/145	1500/3300	1800/5500	2345/92	1345/53	6-12	2855/6294	3055/6734
VFM 400	4000/157	1500/3300	1800/5500	2545/100	1545/60	6-6 *6-12	2910/6415	3110/6855
VFM 450	4500/177	1300/2866 *1400/*3086	1400/3086 *1650/*3637.5	2795/110	1795/70	6-6 *6-12	2955/6504.5	3155/6944.5
VFM 480	4800	950/2094 *1300/*2866	1050/2315 *1550/*3417	2945/116	1945/76.5	6-6 *6-12	2975/6559	3175/7000
VFM 500	5000/197	800/1763.5 *1200/*2645.5	900/1984 *1450/*3196.5	3045/120	2045/80	6-6 *6-6	3000/6613.5	3200/7053.5
VFM 550	5500/216	*1000/*2204	*1100/*2425	3345/132	2345/92	*3-6	3200/7053.5	3400/7493.5
VFM 600	6000/236	*800/*1763.5	*900/*1984	3595/142	2595/102	*3-6	3245/7154	3445/7594

VFM375、VFM425、VFM475 are available on request

NOTE: (1) 1.5-1.8t free lift height(without backrest): +535mm

(2) Dual wheels weight: +75kg

(3) *(front wheel)is dual wheels load capacity

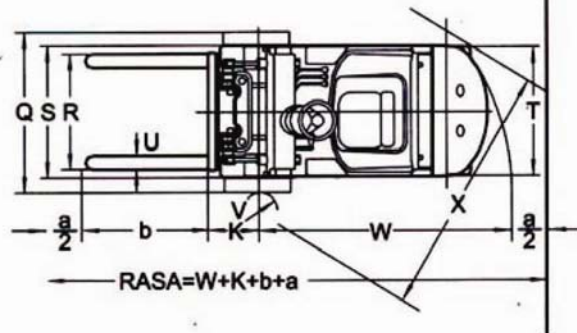
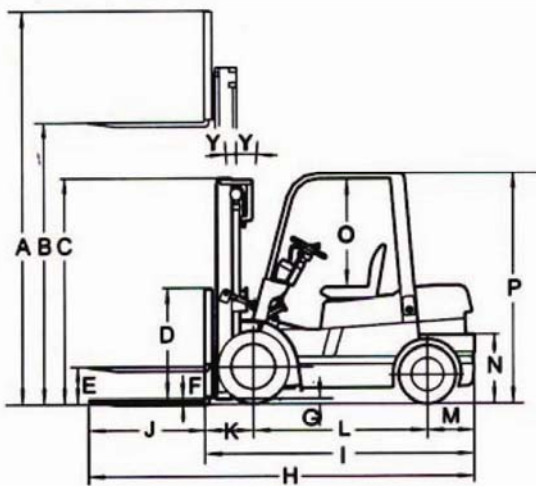
WIDE VIEW FULL FREE 3-STAGE MAST VFHM

Mast model	Max.fork height (mm/in.)	Capacity at 500mm : Load center (kg/lb.)		Overall Mast Height at Lowered (mm/in.)	Free Lift With Backrest (1) 1.5 ~ 1.8t (mm/in.)	Tilting Angle Fwd/Bwd (deg)	Dead Weight (kg/lb.)	
		FG15 FD15	FG18 FD18				1.5 ~ 1.8t (mm/in.)	FG15 FD15
VFHM 360	3600/142	1400/3086	1700/3748	1745/69	745/29	6-6 *6-10	2940/6481.5	3140/6921.5
VFHM 400	4000/157	1400/3086	1700/3748	1870/74	870/34	6-6 *6-10	2975/6558.5	3175/6998.5
VFHM 435	4350/171	1350/2976 *1400/*3086	1200/2465 *1700/*3748	1995/78	995/39	6-6 *6-10	3010/6636	3210/7076
VFHM 480	4800/189	1200/2465 *1300/*2866	1000/2240 *1600/*3527	2145/84	1145/45	6-6 *6-10	3035/6691	3235/7131
VFHM 500	5000/197	1000/2204 *1250/*2755	800/1763.5 *1550/*3415	2245/88	1245/49	6-6 *6-10	3060/6746	3260/7186
VFHM 550	5400/212	700/1543 *1200/*2465	500/1102 *1450/*3196.5	2370/93	1370/54	3-6 *3-6	3110/6856	3310/7296
VFHM 600	6000/236	*1100/*2425	*1150/*2535	2595/102	1595/63	*3-6	3250/7165	3475/7605

NOTE: (1) 1.5-1.8t free lift height(without backrest): +535mm

(2) Dual wheels weight: +75kg

(3) *(front wheel)is dual wheels load capacity



RASA = Right Angle Stacking Aisle
 a = Clearance
 b = Load Length

STANDARD DIMENSIONS (Front Single Tire)

Model	FD15 / FG15 m m/in.	FD18 / FG18 m m/in.
A Overall height fork raised(with backrest)	4030 / 158.7	4030 / 158.7
B Mast. Fork height	3000 / 118	3000 / 118
C Overall height fork lowered(upright)	1995 / 78.5	1995 / 78.5
D Backrest height(from upper face of forks)	1000 / 39.4	1000 / 39.4
E Free lift	160 / 6.3	160 / 6.3
F Fork thickness	40 / 1.6	40 / 1.6
G Min. under-clearance(bottom of mast)	110 / 4.3	110 / 4.3
H Overall length(with forks)	3210 / 126.5	3240 / 128
I Overall length(without forks)	2290 / 90	2320 / 91.5
J Fork length	920 / 36	920 / 36
K Fork overhang	430 / 17	430 / 17
L Wheel base	1400 / 77.2	1400 / 77.2
M Rear overhang	460 / 18	490 / 19.3
N Coupler height	440 / 17.3	440 / 17.3
O Overhead guard clearance(from face of seat)	1035 / 40.5	1035 / 30.5
P Overall height(overhead guard)	2090 / 82.3	2090 / 82.3
Q Overall width	1095 / 43	1095 / 43
R Lateral fork adjustment(outside of fork)	245~1000 / 9.6~39.3	245~1000 / 9.6~39.3
S Tread(front)	890 / 35	890 / 35
T Tread(rear)	920 / 36.2	920 / 6.2
U Fork width	100 / 3.93	100 / 3.93
V Inside turning	140 / 5.5	140 / 5.5
W Outside turning radius	1950 / 77	1990 / 78.3
X Min. intersecting aisle	1780 / 70	1820 / 71.5
Y Tilting angles(forward-backward)	6° - 12°	6° - 12°

DUAL DRIVE TIRE DIMENSIONS

Model	FD15 / FG15	FD18 / FG18
Tire size	6.50-10-10PR mm/in.	6.50-10-10PR mm/in.
Q Overall width	1520 / 60	1520 / 60
S Tread(front)	1165 / 45.8	1165 / 45.8
V Inside turning radius	85 / 3.3	85 / 3.3
W Outside turning radius	2065 / 81.3	2105 / 82.8
X Min. intersecting aisle	1960 / 77.2	2000 / 78.7

HYTSU products and specifications are subject to improvement and change without notice.



MANUFACTURER, DESIGNER & DISTRIBUTOR: HYTSU GROUP
 ADD: 4F Tomson International Building, No. 1 Jilong Road, Waigaoqiao Free Trade Zone, Pudong New District, Shanghai 200131
 TEL: 0086 21 5869 0003 FAX: 0086 21 5869 2793
 E-mail: info@hytsu.com Website: www.hytsu.com