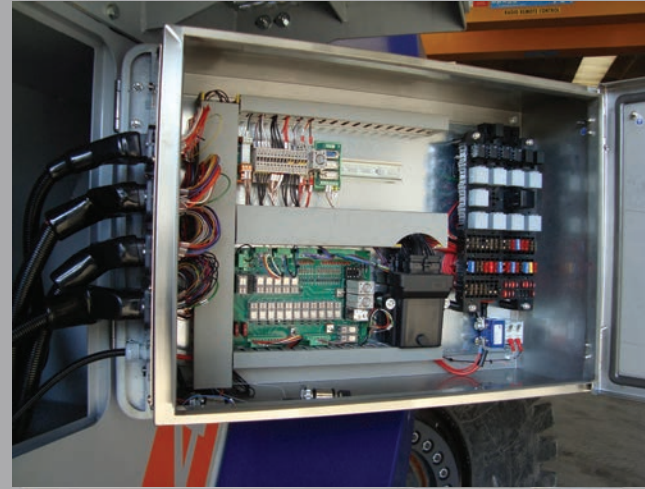




EASY MAINTENANCE



**ABILITY
COMPETENCE
PASSION**



ENGINE COMPARTMENT



STEERING AXLE



FANTUZZI TEAM MATERIAL HANDLING S.r.l.
Via Galileo Galilei, 13 - I-42041 Brescello (RE) Italy
Mob. + 39 342 8548144 - Ph. N. + 39 0522 480625 - Fax N. + 39 0522 480160
info@ftmh.it - www.ftmh.it
P.IVA CF 02618470351



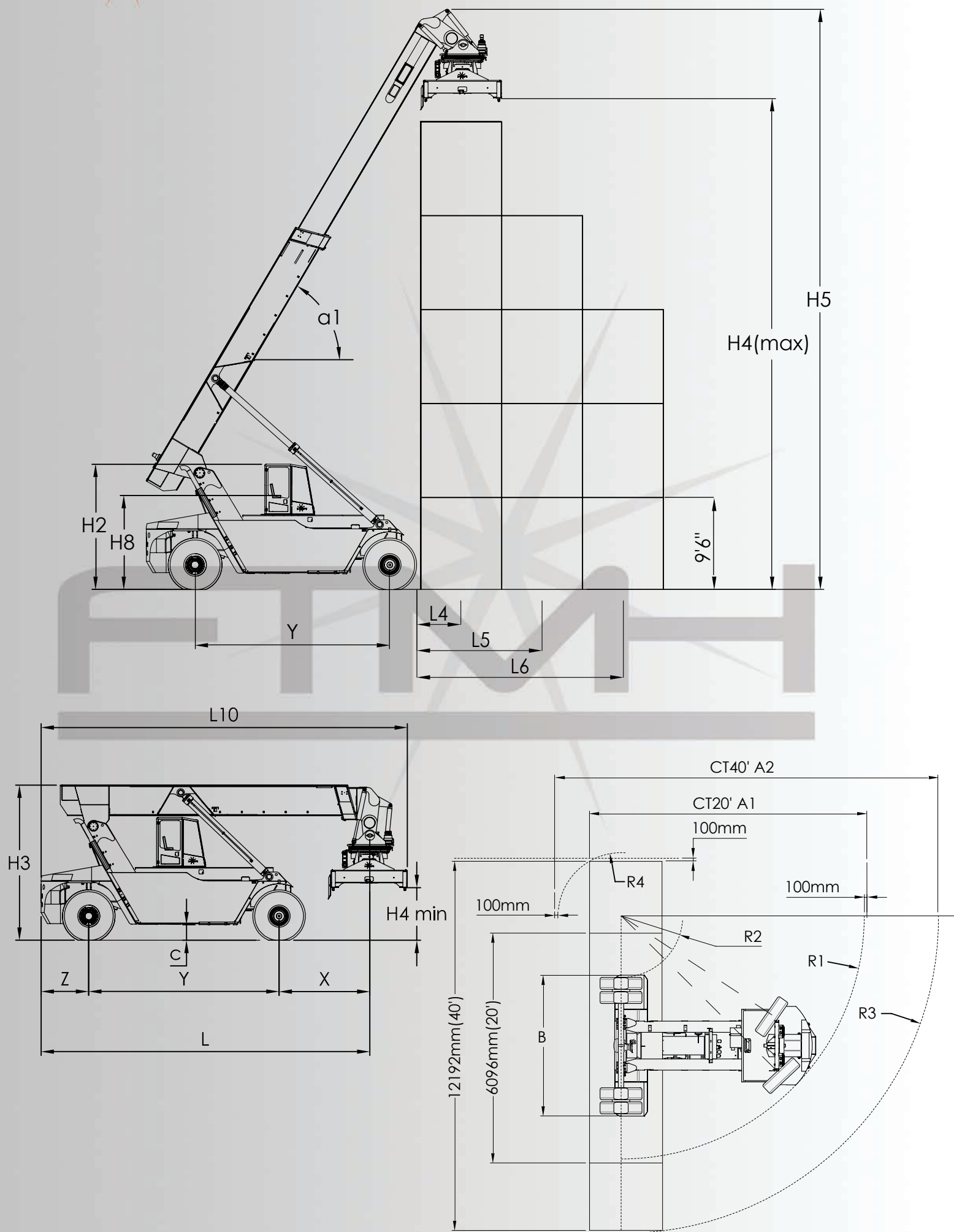
Reachstacker



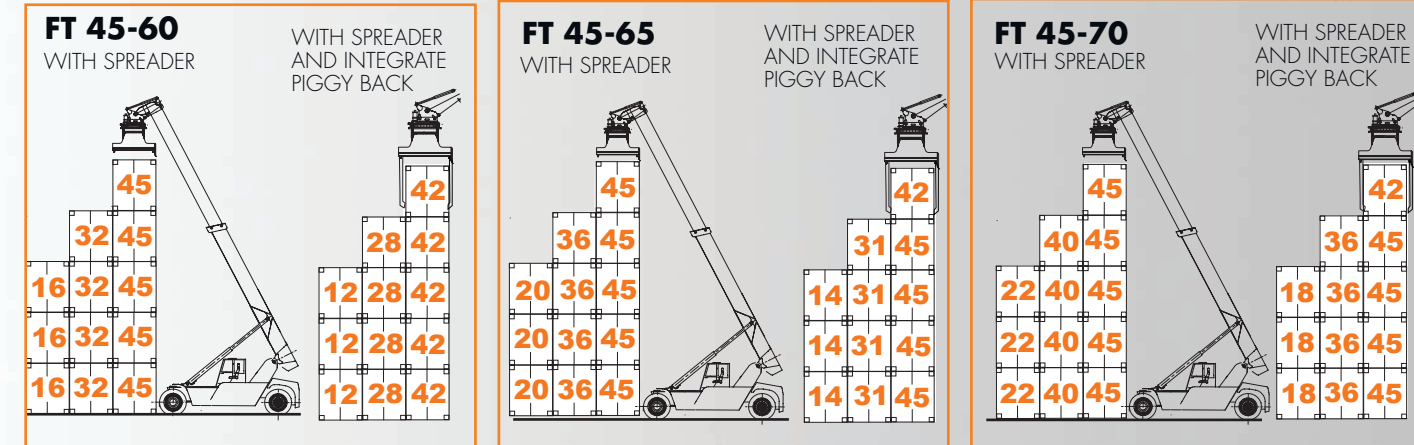
- Mod. FT 45-60
- Mod. FT 45-65
- Mod. FT 45-70



FANTUZZI TEAM MATERIAL HANDLING S.r.l.
Via Galileo Galilei, 13 - I-42041 Brescello (RE) Italy
Mob. + 39 342 8548144 - Ph. N. + 39 0522 480625 - Fax N. + 39 0522 480160
info@ftmh.it - www.ftmh.it
P.IVA CF 02618470351



Denomination		FT 45-60	FT 45-65	FT 45-70
Lifting capacity	1 Q ₄ Nominal capacity at L4	kg 45000	45000	45000
	2 Q ₅ Nominal capacity at L5	kg 32000	36000	40000
	3 Q ₆ Nominal capacity at L6	kg 16000	20000	22000
Lifting speed	4 Unladen	m/s 0,40	0,40	0,40
	5 Laden	m/s 0,24	0,24	0,24
Lowering speed	6 Unladen	m/s 0,34	0,34	0,34
	7 Laden	m/s 0,42	0,42	0,42
Driving speed	8 Unladen	km/h 25	25	25
	9 Laden	km/h 23	23	23
Gradeability	10 Unladen	% 30	30	30
	11 Laden	% 25	25	25
Towbar pull	12 Maximum	KN 320	320	320
Stability DIN 15019	13 Yes/No	YES	YES	YES
	14 Unladen	kg 72500	76500	79500
Total weight	15 Laden	kg 117500	121500	124500
	16 Unladen L4 = mm 1000/2100	kg 34500 - 37100	36300 - 38600	38500 - 40500
Drive axle load	17 Laden L4 = mm 1000/2100	kg 93100 - 103800	95400 - 104000	96500 - 104500
	18 Unladen L4 = mm 1000/2100	kg 38000 - 35400	40200 - 37900	41000 - 39000
Steer axle load	19 Laden L4 = mm 1000/2100	kg 24400 - 13700	26100 - 17500	28000 - 20000
	20 Brand/Model Tier 4 final	VOILVO TAD 1170 VE	VOILVO TAD 1170 VE	VOILVO TAD 1171 VE
Engine	21 Fuel/type of engine	DIESEL	DIESEL	DIESEL
	22 Continuous power	Kw/hp 235/320	235/320	265/360
	23 Peak torque	Nm/rpm 1550/1260	1550/1260	1750/1290
	24 Revolution per minute	rpm 2100	2100	2100
	25 Number of cylinders / Displacement	n°/cm³ 6/10840	6/10840	6/10840
	26 Specific fuel consumption	l/h 17/19	17/19	19/21
	27 Alternative engine - Tier III A	CUMMINS GSM11 - VOILVO TAD 1140VE		
Alternator	28 Power	A 110	110	150
	29 Voltage / Capacity	V/Ah 24/200	24/200	24/200
Transmission	30 Brand / Model	DANA-CLARK 36000	DANA-CLARK 36000	DANA TE 30
	31 Clutch Type - Gearbox		HYDRODYNAMIC - TORQUE CONVERTER	
	32 Alternative transmission	DANA TE 30	DANA TE 30	DANA TE 30
	33 Nr of Speeds F/R	4/4	4/4	5/3
Drive axle	34 Brand	KESSLER	KESSLER	KESSLER
	35 Model	D102	D102	D106
	36 Type	RIGID	RIGID	RIGID
Tyres	37 Drive axle	N° 4	4	4
	38 Steer axle	N° 2	2	2
	39 Dimensions / ply (front / rear)	N° 18,00-25 (PR 40)	18,00-33 (PR 40)	18,00-33 (PR 40)
	40 Type	PNEUMATIC	PNEUMATIC	PNEUMATIC
Inflating pressure	41 bar	10	10	10
	42 Ground pressure	kg/cm² 10	10	10
Steer axle	43 Brand / Type	OMCI / OSCILLATING - MONOCYLINDER		
	44 Drive axle	WET DISC BRAKES - HYDRAULIC OPERATED		
Brakes system	45 Parking brakes	DRY DISC ON AXLE SHAFT		
	46 Pumps type	2 TRIPLE GEAR PUMPS or 2 VARIABLE DISPLACEMENT PUMPS "PARKER"		
Hydraulic system	47 Distributor type	N.2 HYDRAULIC VALVES CONNECTED TOGETHER		
	48 Filtration	10 MICRON	10 MICRON	10 MICRON
	49 Hydraulic oil cooling system	YES	YES	YES
Cabin	50 Brakes oil cooling system	YES	YES	YES
	51 Max working pressure	bar 250	250	250
	52 Noise level	dBa 72	72	72
	53 Mechanical sliding	mm 2350 STD	2350 STD	2350 STD
Tanks capacity	54 Hydraulic sliding	mm 2350 OPT	2350 OPT	2350 OPT
	55 Hydraulic oil	L 850	850	850
	56 Fuel diesel	L 580	580	580
Truck safeties	57 Ad - blue	L 45	45	45
	58 Electronic overload device with weight indicator	YES	YES	YES
Truck dimensions	59 Lock valves with speed limiter on cylinders	YES	YES	YES
	60 Dead man handle	YES	YES	YES
	61 Inhibition F/R gearshift with machine in motion	YES	YES	YES
	62 Parking brake engagement if pressure drops	YES	YES	YES
	63 A1 90° turning, 20' container	mm 11200	11700	12200
	64 A2 90° turning, 40' container	mm 13500	13600	13900
	65 L10 Truck length	mm 11500	12000	12500
	66 L Truck length to container centre	mm 10280	10780	11280
	67 Z Distance to rear axle	mm 1480	1480	1480
	68 B Truck width	mm 4200	4200	4500
Boom	69 H2 Cabin height	mm 3850	3950	3950
	70 H8 Seat height	mm 2700	2800	2800
	71 X Load center from front axle	mm 2900	2900	2900
	72 Y Wheelbase	mm 6000	6500	7000
	73 L4 Distance front of wheel to centre row 1	mm 1400/2100	1400/2000	1400/2000
	74 L5 Distance front of wheel to centre row 2	mm 3850	3850	3850
	75 L6 Distance front of wheel to centre row 3	mm 6350	6350	6350
	76 R1 Turning radius, outer	mm 8300	8800	9300
	78 R2 Turning radius, inner	mm 1500	1500	1500
	80 R3 Turning radius, 40' container, outer	mm 9500	9500	9500
Spreader	81 R4 Turning radius, 40' container, inner	mm 4000	4000	4000
	82 C Ground clearance	mm 470	570	570
Spreader	83 H4 Height under twist lock, max/min	mm 15100/1670	15200/1770	15200/1770
	84 H3 Boom height	mm 5000	5100	5100
	85 H5 Boom height max	mm 18000	18100	18100
	86 a1 Boom angle	Deg 60	60	60
Spreader	87 Width, min - max	mm 6050-12192	6050-12192	6050-12192
	88 Rotation angle	Deg -95°/+185°	-95°/+185°	-95°/+185°
	89 Side shift	mm 800R - 800L	800R - 800L	800R - 800L
90 Side sloping (mechanical)	Deg +/-3°	+/-3°	+/-3°	


OPTIONAL AVAILABLE

- Air condition system for tropicalized areas
- Artic package (-40°)
- Automatic greasing system (machine and spreader)
- Spreader hydraulic side sloping (+/- 6°)
- Front or rear view cameras
- Hydropneumatic suspensions on rear axle
- Spreader stop at 30°
- Dumping control
- Certified weighing system as for Solas convention
- Sliding cab with hydraulic control
- Spreader with piggy back configuration
- Different attachments for handling General cargo (hooks - magnet - clamps - vacuum)
- Automatic greasing system
- Communication system
- Fire suppression system
- Pneumatic adjustable seat

WHAT MAKES THE DIFFERENCE

- **TELESCOPIC SPREADER**
 - Single Boom design with cylinders for positioning
 - 20°-40° containers placed outside the structure
 - Anti-collision system
 - Nr.2 rotating hydraulic motors and brakes
 - Nr.4 floating twistlocks
 - Wide and strong ring gear "Roth Hart" made in Italy
 - High Quality steel WELDOX 700 E for telescopic frames (male and female) and DOMEX 600 MC for the fixed frame
 - Mechanical and electric safeties
 - Led working lights for twistlock
 - Large hole for twistlock service access
- **CABIN**
 - Manually operated
 - High Comfort with adjustable seat
 - All around great visibility
 - Adjustable steering wheel column
 - Secondary seat for passenger
 - Airrecycling and particle filter system
 - Joystick with "Dead-Man" security system positioned on armrest
 - Two access doors
 - Easy access to the cabin through comfortable stairs frame and anti-slippery steps
 - Tempered side and back windows
- **TELESCOPIC BOOM**
 - Designed for heaviest duties
 - High Quality steel: S355J2G3 European Made
 - Nr.2 double acting lifting cylinders
 - Nr.1 double acting extension cylinder easily dismountable for maintenance
 - Centralized greasable system
 - Upper, down and side pads made of special "Nylatron" longlife and easily dismountable for maintenance
 - Wide pin (160 mm diameter) with bushes and spherical bearing for easy fixing of the boom on the chassis - easy greasable and long life granted.
- **HYDRAULIC SYSTEM**
 - Nr.2 Triple pumps, made Parker (USA); The Nr.4 Bigger pumps are dedicated to the main movements (lifting, extension, steering and spreader) meanwhile the other Nr.2 smaller pumps are dedicated to the brakes, brakes cooling and hydraulic oil cooling
 - N.2 hydraulic valves, made Walvoil, connected in series two by two for an optimized use of the engine's power with reduction of fuel consumption and increase of reachstacker performance
 - Strong oil cooling system with big radiator and hydraulic motor to control the fan (electric motor for low temperature environment available as option)
 - Nr.4 10 micron filters on return line
- **ELECTRIC AND ELECTRONIC SYSTEM**
 - Load measurements through pressure sensors
 - Static and dynamic stability control according to EU standards
 - Color Display - size 7" - Vertical mount
 - Operative black-box for handling cargo information
 - Troubleshooting black-box
 - Data Download through USB
 - Different Language selectable
 - Easy maintenance using access code
 - Complete control of spreader function and safeties
 - Can-bus system for engine and transmission control
 - All components positioned for easy and fast maintenance
 - Led working Lights
 - Wrigings suitable for all weather conditions
- **TELESCOPIC BOOM**
 - Nr.1 filter on delivery line for brakes
 - Electro valves made Parker / Rexroth
 - Steering system made Danfoss
 - Hydraulic hoses made Manuli and fittings type GIC 36° (fittings on demand ORFS)
 - ALTERNATIVE PUMPS: N°2 DOUBLE PISTON PUMPS PARKER (USA)

