

# MH/MSI SERIES

## SEMI-INDUSTRIAL HANDLING SOLUTIONS







# SUCCESS THROUGH IMAGINATIVE POWER

MANITOU, the world's largest manufacturer of all-terrain forklift trucks, began its roots in a family tradition of innovation and imaginative power. For generations, the Braud family has dedicated themselves to creating innovative products for the lifting and handling markets.

Manufacturing its first truck in 1957, MANITOU is a pioneer in the rough terrain forklift market. By responding to market trends, MANITOU offers a complete line of rough terrain handling equipment adapted to the specific needs and challenges of each industry.

The long history of reliable, relevant equipment has led to more than 500,000 MANITOU Group machines sold to more than 120 countries. This worldwide presence is backed up by a MANITOU dealer network staffed with trained mechanics and sales specialists to help you with your material handling requirements.





# **MULTI-APPLICATION PERFORMANCE**

## The MANITOU Semi-Industrial Forklifts, combine the capabilities of an average industrial forklift, with the ability to travel and handle material outdoors.

The MH/MSI machines make clearing obstacles easy with their quick maneuverability and stability in most types of terrain. This hybrid design coupled with a hydrostatic transmission allow the Manitou semi-industrial forklifts to provide pin-point load accuracy and smooth travel on uneven ground, making them capable of performing where other forklifts can not.



## MH 25-4 T

5,000 lbs. (2268 kg) lift capacity 21'5" (6.53 m) lift height 59 hp (44 kW) 4-wheel drive

## **COMPETITIVE ADVANTAGES**



## MSI 30 T

6,000 lbs. (2722 kg) lift capacity 15'5" (4.70 m) lift height 59 hp (44 kW) 2-wheel drive

## ALL-NEW! MSI 35 T

7,000 lbs. (3175 kg) lift capacity 15'5" (4.70 m) lift height 59 hp (44 kW) 2-wheel drive



## ALL-NEW! MSI 40 T

8,179 lbs. (3710 kg) lift capacity 15'5" (4.70 m) lift height 74 hp (55 kW) 2-wheel drive

## ALL-NEW! MSI 50 T

11,023 lbs. (5000 kg) lift capacity 15'5" (4.70 m) lift height 74 hp (55 kW) 2-wheel drive



## HIGH PERFORMANCE

The large diameter of the front wheels allow these compact semi-industrial forklift trucks to excel on semi-rough terrain, and adapt to indoor or outdoor working environments. This also provides the ability to handle long loads or several pallets at a time.

### EASY TO MAINTAIN

A switch inside the operator's cab will electrically raise the cab forward, tilting it for complete access to the engine and maintenance components. This allows for quicker service and routine checks, providing more productivity up-time.

### COMPACT DESIGN

Ideal for working on tight, confined jobsites, and semi-rough terrain conditions. An operator can work more efficiently with dual entrance on either side of the machine, 360 Degree visibility, and intuitive joystick controls.

#### **MAST CONFIGURATIONS** Multiple mast configurations are

Multiple mast configurations are designed for the MH/MSI Series forklifts to deliver optimal strength and versatility. From an optional sideshift carriage to duplex mast and triple mast options, these machines can be customized to meet your handling needs.

### UNIQUE APPLICATIONS

The MSI Series machines work in a variety of business sectors such as; agri-foodstuffs, wood industry, oyster culture, transport logistics, brick/block, recycling/waste management and more.







## PERFORMANCE

## **POWER** and **PERFORMANCE**

# **INCREASE PRODUCTIVITY WITH VERSA**

## TURBO-DIESEL ENGINES WITH DPF TIER IV-CERTIFIED

MH 25-4 59 hp (44 kW) Kubota
MSI 30/35 59 hp (44 kW) Kubota
MSI 40/50 74 hp (55 kW) Perkins

#### HYDROSTATIC TRANSMISSION

The MH and MSI Series machines operate with hydrostatic transmissions providing an electro-hydraulic forward and reversing shift with one speed available for each direction.

Travel speeds up to 13.7 mph (22 kph) on the MSI 40/50 models, 12.4 mph (20 kph) on the MSI 30/35 and 8.7 mph (14 kph) on the MH 25-4.

#### 4-WHEEL DRI

MH 25-4 4

MSI RANGE 2

## LIFT HEIGHTS UP TO **21'5"** [6.53<sub>m</sub>]

MH 25-4 21'5" (6.53m) MSI 30/35 15'5" (4.70m) MSI 40/50 15'5" (4.70m)

# GROUND CLEARANCE **10.6**" [**270** mm]

MH 25-4 10.2" (260 mm) MSI 30/35 10.6" (270 mm) MSI 40/50 7.3" (185 mm) MAST TILT **10°/ 12°** FORWARD / BACKWARD

## COMPACT SIZE!

	NE WIDTH
MH 25-4	<b>4'9"</b> [1.45 <sub>m</sub> ]
MSI 30/35	<b>4'4"</b> [1.32 <sub>m</sub> ]
MSI 40/50	<b>5'8"</b> [1.73 <sub>m</sub> ]

#### MACHINE

MH 25-4 MSI 30/35 MSI 40/50

## **MH/MSI SERIES**



#### VE AND 2-WHEEL DRIVE

-Wheel Drive

-Wheel Drive

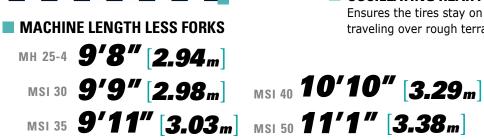
LIFT CAPACITIES UP TO **11,023** *lbs.* [5000 *kg*]

WH 25-4	5,000 IDS. (2268 Kg)
MSI 30	6,000 lbs. (2722 kg)
MSI 35	7,000 lbs. (3175 kg)
MSI 40	8,179 lbs. (3710 kg)

MSI 50 11,023 lbs. (5000 kg)



**5′0″**[1.83<sub>m</sub>] "**7"** [**2.30**m] **′1″**[2.77<sub>m</sub>]





SHORT TURNING RADIUS 8'8" [2.63m]

MH25-4 10'9" (3.26 m) MSI 40 9'5" (2.86 m) MSI 30 8'8" (2.63 m) MSI 50 9'8" (2.95 m) MSI 35 8'9" (2.66 m)



OSCILLATING REAR AXLE Ensures the tires stay on the ground traveling over rough terrain surfaces.

## **OPERATOR'S CAB**

## **CONTROLS** and **ERGONOMICS**



#### SEMI-ENCLOSED CAB

The Semi-Enclosed Cab without doors is offered as the base unit for the MH25-4, MSI 30 and MSI 35 models. This cab features a vinyl seat, front, rear and top glass wipers, interior rearview mirror, and exterior left and right mirrors.

#### FULL-ENCLOSED CAB

The fully enclosed cab is available for all models offered with heat or heat and air conditioning if needed. It includes most of the same features as the semi-enclosed cab, although offered with a slightly different cab layout and dashboard as well as doors with an electric drivers side window.

#### SPACIOUS INTERIOR WITH DIRECT ACCESS

The spacious ergonomic cab provides extra comfort with easy assess from both sides on the MH 25-4 to MSI 35 models. All fully-enclosed machines have the capability to operate with the door fully open, folded back for enhanced comfort and visibility.

#### ADJUSTABLE SEAT AND TINTED FRONT AND REAR WINDOWS

#### HYDRAULIC SHOCK ABSORBER

Comes equipped with standard hydraulic shock absorber preventing shock and vibration from affecting the load providing safer travel on uneven ground.

## **MH/MSI SERIES**



INTUITIVE EASY TO USE CONTROLS

The MH/MSI machines come standard with a single joystick control, as shown above, which controls the functions of boom (*Up*, *Down and Tilt*) and driving direction. An option to upgrade to the Manitou JSM Joystick, Switch and Move is available on all semi-industrial models for those who prefer this feature. (*JSM joystick control shown on page 6*)

### TIRE OPTIONS

Multiple tire options are available to upgrade machine performance according to jobsite conditions.

Low pressure tires absorb shocks when driving over stones, potholes, and provide grip on slippery surfaces. The design of the chassis allows chains to be fitted when full traction is necessary.



MH/MSI SERIES FEATURES	MH 25-4	MSI 30	MSI 35	<b>MSI 40</b>	<b>MSI 50</b>
ENGINE					I
Kubota 59 hp (44 kW)	●	•	•	N/A	N/A
Perkins 74 hp (55 kW)	N/A	N/A	N/A	•	•
OPERATOR'S STATION					1
Semi-Enclosed Cab	•	•	•	N/A	N/A
Fully Enclosed Cab with Heat	●	•	•	•	•
Fully Enclosed Cab with Heat & A/C $*$	●	•	•	•	•
Adjustable Vinyl Seat	•	•	•	•	•
Tinted Front and Rear Windows	•	•	•	•	•
Rubber Mounted Electrically Hoisted Cab	•	•	•	•	•
Front, Rear, and Top Glass Wipers	•	•	•	•	•
Horn and Back Up Alarm	•	•	•	•	•
Exterior Left and Right Side Mirrors	•	•	•	•	•
Interior Rear View Mirror	•	•	•	•	•
PERFORMANCE					
Hydrostatic Transmission	•	•	•	•	•
Power Assisted Steering	•	•	•	•	•
Electro-Hydraulic Forward/Reverse Shift	•	•	•	•	•
Mast Tilt 10° Forward /12° Backward	•	•	•	•	•
Automatic Acceleration System for Lifting	•	•	•	•	•
2-Wheel Drive	N/A	•	•	•	•
4-Wheel Drive	•	N/A	N/A	N/A	N/A
Differential Lock	N/A	N/A	N/A	•	•
Engine Block Heater with 12V Battery	•	•	•	•	•
Insulated Lockable Engine Compartment	•	•	•	•	•
STRUCTURE					I
Heavy-duty Steer Axle with Integral Cylinder	•	•	•	•	•
Side-Shifter	0	0	0	0	0
CONTROLS					
Single Joystick Combines Up/Down/Tilt	•	•	•	•	•
JSM/Joystick Controls	O*	O*	O*	O*	O*
Electro-Hydraulic Parking Brake		•	•	N/A	N/A
Mechanical Parking Brake	N/A	N/A	N/A	•	•
Full Instrumentation	•	•			•
HYDRAULIC SYSTEM					
Hydraulic Values: 3 Double Action with 1 Single Action section	•	•	•	•	•
Hydraulic Shock Absorber	•	•	•	•	•
LIGHTS					
Complete Road Lights	0	0	0	0	0
Working Lights	0	0	0	0	0

Standard O Optional \*Extended Lead Time

# VERSATILITY

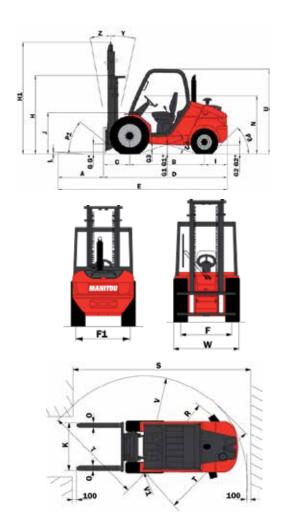
# MAST SELECTIONS

MH/MSI	Model	Mast Size (m)	Free Lift (FL) (mm)	Overall Height Lowered (OHL) (m)	Maximum Height Mast Extended (mm)	Maximum Fork Height (MFH) at Max. Capacity (m)
	MH 25-4	130" /10'10" (3.3)	5" (130)	90.4" (2.29)	171.06" (4.3)	130" / 10'10" (3.3)
	MSI 30/ MSI 35	130" / 10'10" (3.3)	5.3" (135)	90.6" (2.30)	165" (4.19)	131" / 10'11" (3.3)
		158" / 13'2" (4.0)	5.3" (135)	108.3" (2.75)	193" (4.89)	159" / 13'3" (4.0)
2-Stage Full Visibility	MSI 40	146" / 12'2" (3.7)	N/A	115.2" (2.92)	184" (4.67)	147" / 12'3.6" (3.75)
	1013140	177" / 14'9" (4.5)	N/A	125" (3.17)	216" (5.477)	179" / 14'11" (4.55)
	MSI 50	146" / 12'2" (3.7)	N/A	109.3" (2.77)	184" (4.67)	148" / 12'4" (3.76)
		177" / 14'9" (4.5)	N/A	125" (3.17)	215" (5.472)	179.5" / 14'12" (4.56)
	MH 25-4	146" / 12'2" (3.7)	48" (1216)	76.6" (1.94)	176" (4.46)	146" / 12'2" (3.7)
		158" / 13'2" (4.0)	55" (1397)	80.5" (2.04)	188" (4.76)	158" / 13'2" (4.0)
		185" / 15'5" (4.7)	64" (1626)	94.6" (2.40)	233" (5.92)	185" / 15'5" (4.7)
		257" / 21'5" (6.5)	89" (2261)	118.1" (3.00)	305" (7.75)	257" / 21'5" (6.5)
3-Stage	MSI 30/ MSI 35	158" / 13'2" (4.0)	55"(1397)	84.6" (2.15)	189" (4.80)	159" / 13'3"(4.04)
Free Lift		185" / 15'5" (4.7)	65" (1647)	94.5" (2.40)	216" (5.50)	187" / 15'7"(4.74)
	101.40	158" / 13'2" (4.0)	54" (1358)	89.6" (2.27)	195" (4.96)	159" / 13'3" (4.05)
	MSI 40	185" / 15'5" (4.7)	63" (1593)	98.8" (2.51)	223" (5.66)	187" / 15'7" (4.75)
	MSI 50	158" / 13'2" (4.0)	54" (1363)	89.6" (2.27)	196" (4.97)	160" / 13'4" (4.06)
		185" / 15'5" (4.7)	63" (1598)	98.8" (2.51)	223" (5.67)	187" / 15'7" (4.76)

#### **DIMENSION REFERENCE DIAGRAMS**

Load charts based on 24" load center per ANSI/ITSDF B56.1

(mm)	MH 25-4	MSI 30	MSI 35	MSI 40	MSI 50		
Α	48" (1200)	48" (1200)	48" (1200)	48" (1200)	48" (1200)		
В	70.9" (1800)	70.9" (1800)	70.9" (1800)	81.7" (2075)	81.7" (2075)		
C	24.6" (625)	24.8" (630)	24.8" (630)	27.2" (691)	27.6"(701)		
D	9'8" (2945)	9'9"" (2980)	9'11" (3030)	10'10" (3294)	11'1" (3384)		
Е	13'3" (4045)	13'5" (4080)	13'7" (4130)	14'9" (4494)	15'0.5" (4584)		
F	45.7" (1160)	41.2" (1046)	41.2" (1046)	55.9" (1420)	55.9" (1420)		
F1	45.8" (1164)	43.4" (1102)	43.4" (1102)	45" (1142)	45" (1142)		
G	10.4" (265)	10.6" (270)	10.6" (270)	7.3" (185)	7.3" (185)		
G*	9.3" (235)	9.4" (240)	9.4" (240)	5.5" (140)	5.5" (140)		
G1	10.2" (260)	10.2" (260)	10.2" (260)	8.7" (220)	8.7" (220)		
G1*	10.2" (260)	10.2" (260)	10.2" (260)	8.1" (205)	8.1" (205)		
G2	8.5" (215)	8.5" (215)	8.5" (215)	8.9" (225)	8.9" (225)		
G2*	9.1" (230)	9.1" (230)	9.1" (230)	9.7" (247)	9.7" (247)		
G3	10.6" (270)	10.6" (270)	10.6" (270)	13.4" (340)	13.4" (340)		
Н	72.2" (1835)	90.6" (2300)	90.6" (2300)	109.3" (2775)	109.3" (2775)		
H1	160.2" (4070)	165" (4193)	165" (4193)	184.1" (4677)	183.9" (4672)		
1	20.5" (520)	21.7" (550)	23.6" (600)	20.8" (528)	23.9" (608)		
J	40.4" (1025)	40.4" (1025)	40.4" (1025)	51.2" (1300)	51.2" (1300)		
K	49.6" (1260)	49.6" (1260)	49.6" (1260)	65.7" (1670)	65.7" (1670)		
L	1.6" (40)	1.8" (45)	1.8" (45)	2" (50)	2.4" (60)		
Ν	57.1" (1450)	57.1" (1450)	57.1" (1450)	70.8" (1799)	70.8" (1799)		
0	3.9" (100)	3.9" (100)	4.9" (125)	5.9" (150)	5.9" (150)		
P1	49.5°	49.5°	49.5°	29°	29°		
P2	40.5°	40.5°	40.5°	27°	27°		
P3	44°	40°	40°	53°	42°		
R	119.9" (3045)	90.9" (2310)	91.7" (2330)	106.9" (2715)	106.9" (2715)		
S	200.4" (5090)	180" (4560)	180.9" (4595)	109.3" (2775)	112.6" (2860)		
Т	98.4" (2500)	101.6" (2580)	102" (2590)	195.1" (4956)	206.3" (5241)		
U	6'7"(1990)	6'11" (2105)	6'11" (2105)	8'0" (2440)	8'0" (2440)		
۷	10'9" (3265)	8'8" (2635)	8'9" (2665)	9'5" (2865)	9'8" (2950)		
V1	42.5" (1080)	5.9" (150)	3.9" (100)	4.9" (125)	4.9" (125)		
W	4'9" (1450)	4'4" (1323)	4'4" (1323)	5'8" (1732)	5'8" (1732)		
Y	12°	12°	12°	12°	12°		
Z	10°	10°	10°	10°	10°		
					* Rated Loaded		



## **ATTACHMENT SELECTION AND OPTIONS**

### **O** THE NEW OPTIONAL TELEHANDLER INTERFACE TILTING CARRIAGE ATTACHMENT

The NEW TI- Tilting Carriage is a unique solution available for the MH 25-4, MSI 30 and MSI 35. This carriage will allow "quick fitting" of attachments as well as interchanging attachments, and the operator can remain seated inside the cab. This option requires the purchase of the TI Carriage, and is offered on 2-Stage full-visibility mast selections.









Attached with Bucket

### O ATTACHMENT SELECTION FOR MH/MSI SERIES SEMI-INDUSTRIAL FORKLIFTS

		MH25-4	MSI 30	MSI 35	MSI 40	MSI 50
	ITA Class II Carriage for 2-Stage Mast					
	ITA Class II Carriage for 3-Stage Mast					
ES	ITA Class III Carriage for 2-Stage Mast		•	•	•	
IAG	ITA Class III Carriage for 3-Stage Mast		•	•	•	
CARRIAGES	ITA Class IV Carriage for 2-Stage Mast					•
C	ITA Class IV Carriage for 3-Stage Mast					•
	TI- (Telehandler Interface) ITA Class II Carriage 49", 58", or 62" Options Available <b>2-Stage Mast ONLY</b>	•	•	•		
S	Pallet Forks ITA Class II or III or IV, Classes vary per Machine	•	•	•	•	•
FORKS	Lumber Forks	•	•	•	•	
Ē	Brick / Block Forks		•			
BUCKETS	Dirt/Construction 59" wide, 20.5 cu. ft. with Smooth Edge	•	•	•		
BUCI	Grain/Light Material 59" wide, 31.0 cu. ft. with Smooth Edge	•	•	•		
	Side Shifter 4" in each direction for ITA Class Carriages		•	•	•	•
	Side Shifting Fork Positioner					
OTHER	Load Backrests	•	•	•	•	•
01	TI- (Telehandler Interface) Tilting Carriage Quick Attach Requires TI - ITA Class II Carriage, 2-Stage Mast ONLY	•	•	•		
	Hydraulic Quick Fit for Side Shift or Standard Carriages 3-Stage Mast				•	•



## PROTECTION

## **SAFETY** and **SERVICEABILITY**

## EXCELLENT 360 DEGREE VISIBILITY

Panoramic cab increases optimal visibility of the forks and precise placement of loads on all angles around the truck, including the roof window for improved field of vision. Machines also come fully equipped with a durable robust boom design, left and right side mirrors, and an interior rearview mirror to also enhance operator visibility.



#### **FULL MAINTENANCE ACCESS**

Cab tilts forward with the press of a button, for full access to the entire engine compartment for quicker routine checks and serviceability.

#### SAFE, RELIABLE BRAKING

Oil immersed multiple-disc brakes are integrated into the front axles for precise machine braking.

#### ROPS/FOPS

The cab has been designed for operator protection, satisfying ROPS/FOPS requirements for roll over protection and falling object protection.



## EXTENDED COVERAGE



When you require quality and reliability, you purchase Manitou equipment. Maniplus extended coverage, offered by Manitou, protects you from unforeseen downtime and provides you the ability to work with confidence!

## Maniplus your services

Coverage up to 5 years or 6,000 hours coverage.

Coverage includes parts and labor. No deductible.

Available up to 6 months after purchase from the retail sale date.

Repairs by a fully qualified technician.

The guarantee to use Manitou genuine replacement parts.





Powertrain coverages\*



## **TOTAL Coverage**

Includes all machine components\*

## Maniplus your benefits

Adapted offer to meet your needs.

Optimal use guarantee and minimum downtime of your machine.

Forecast and control your costs.

Maintain the reliability of your Manitou.

Enhanced resale value of your used machine.



By your side, find all our services on **manitou.com**.

## **MH/MSI SERIES SEMI-INDUSTRIAL HANDLING SOLUTIONS**

		MH 25-4	MSI 30	MSI 35	MSI 40	MSI 50
Ties 🔽	Lift Capacity- 24" Load Center (kg)	5,000 lbs. (2268)	6,000 lbs. (2722)	7,000 lbs. (3175)	8,179 lbs. (3710)	11,023 lbs. (5000)
	Lift Height (Standard Mast) (m)	10'10" (3.3)	10'10" (3.3)	10'10" (3.3)	12'2" (3.70)	12'2" (3.70)
TING C	Maximum Lift Height (m)	21'5" (6.53)	15'5" (4.70)	15'5" (4.70)	15'5" (4.70)	15'5" (4.70)
Ľ,	Capacity at Max. Lift Height (kg)	5,000 lbs. (2268)	6,000 lbs. (2722)	7,000 lbs. (3175)	8,179 lbs. (3710)	11,023 lbs. (5000)
	Manufacturer	Kubota	Kubota	Kubota	Perkins	Perkins
ENC	Model	V2403 Turbo EPA Tier IV	V2403 Turbo EPA Tier IV	V2403 Turbo EPA Tier IV	854F-E34T Turbo EPA Tier IV	854F-E34T Turbo EPA Tier IV
	Power (kW)	59 hp (44)	59 hp (44)	59 hp (44)	74 hp (55)	74 hp (55)
	Displacement (cm <sup>3</sup> )	4 cyl. 148.5 cu.in. (2434)	4 cyl. 148.5 cu.in. (2434)	4 cyl. 148.5 cu.in. (2434)	4 cyl. 207.5 cu.in. (3400)	4 cyl. 207.5 cu.in. (3400)
	Aspiration	Turbocharged Diesel	Turbocharged Diesel	Turbocharged Diesel	Turbocharged Diesel	Turbocharged Diesel
	Torque (Nm)	122 ft.lbs. (165) @1600 rpm	122 ftlbs. (165) @1600 rpm	122 ftlbs. (165) @1600 rpm	235 ftlbs. (318) @1400 rpm	235 ftlbs. (318) @1400 rpm
sion	Transmission Type	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
	Reversing Shift	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic
TRAI	Maximum Travel Speed (km/hr)	8.7 mph (14)	12.4 mph (20)	12.4 mph (20)	13.7 mph (22)	13.7 mph (22)
	Number of Gears - Forward/Reverse	1/1	1/1	1/1	1/1	1/1
TICS	Pump Type	Gear	Gear	Gear	Gear	Gear
	Pressure (bar)	2,465 psi (170)	2,683 psi (185)	2,755 (190)	3,335 psi (230)	3,335 psi (230)
Ť	Flow Rate (L/min)	20.3 gpm (77)	20.3 gpm (77)	20.3 gpm (77)	36.2 gpm (137)	36.2 gpm (137)
COMPONENTS	Tires- Drive/Steer	Drive - 280/80 R20 133 AE XMCL Steer - 27.10-12 14PR IC30	Drive - 275/70 R22.5 148/145M Steer - 7.00-12 14PR IC40	Drive - 275/70 R22.5 148/145M Steer - 7.00-12 14PR IC40	Drive - 315/70 R22.5 154/150L Steer - 225/75 R15 XZM	Drive - 315/70 R22.5 154/150L Steer - 225/75 R15 XZM
COMPC	Brakes - Service/Parking	Hydraulic	Hydraulic	Hydraulic	Mechanical	Mechanical
	Forks Length (mm)	48" (1200)	48" (1200)	48" (1200)	48" (1200)	48" (1200)
	Forks Width x Thickness (mm)	4" / 1.5" (102/38)	4" / 1.75" (102/44)	6" / 2" (152/50)	6" / 2" (152/50)	6" / 2.4" (152/60)
JIES 🗍	Cooling System (L)	2.6 gal. (10)	2.6 gal. (10)	2.6 gal. (10)	3.2 gal. (12)	3.2 gal. (12)
CAPACITIES	Engine Oil (L)	8.8 qt. (8.3)	8.8 qt. (8.3)	8.8 qt. (8.3)	7.9 qt. (7.5)	7.9 qt. (7.5)
SERVICE	Hydraulic Oil - Reservoir (L)	25 gal. (95)	25 gal. (95)	25 gal. (95)	34.9 gal. (132)	34.9 gal. (132)
3	Fuel Tank (L)	19.4 gal. (73.5)	19.4 gal. (73.5)	19.4 gal. (73.5)	23.3 gal. (88)	23.3 gal. (88)
ION 🤁	Apprx.Weight w/o Mast or Forks (kg)	9,568 lbs. (4340)	9,568 lbs. (4340)	10,682 lbs. (4845)	15,388 lbs. (6980)	18,563 lbs. (8420)
IFICAT	Overall Width (m)	4'9" (1.45)	4'4" (1.32)	4'4" (1.32)	5'8" (1.73)	5'8" (1.73)
SPEC	Overall Height (m)	6'7" (2.00)	6'11" (2.11)	6'11" (2.11)	8'0" (2.44)	8'0" (2.44)
GENERAL SPECIFICATIONS	Turning Radius Outside Wheels (m)	10'8.5" (3.26)	8'8" (2.63)	8'9" (2.66)	9'5" (2.86)	9'8" (2.95)
GE	Overall Length Less Forks (m)	9'8" (2.94)	9'9" (2.98)	9'11" (3.03)	10'10" (3.29)	11'1" (3.38)
	Ground Clearance (mm)	10.2" (260)	10.6" (270)	10.6" (270)	7.3" (185)	7.3" (185)
	Mast Tilt (Forward/Backward)	10° / 12°	10° / 12°	10° / 12°	10° / 12°	10° / 12°
	Draw Bar Pull (kN)	7,531 lbf (33.5)	5,530 lbf (24.6)	5,935 lbf (26.4)	6,542 lbf (29.1)	7,194 lbf (32)

This publication in no way constitutes an offer and the company reserves the right to alter specification without notice.



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