

mast[®] EXPLORER

Product Catalogue



1
"No matter where you are..."

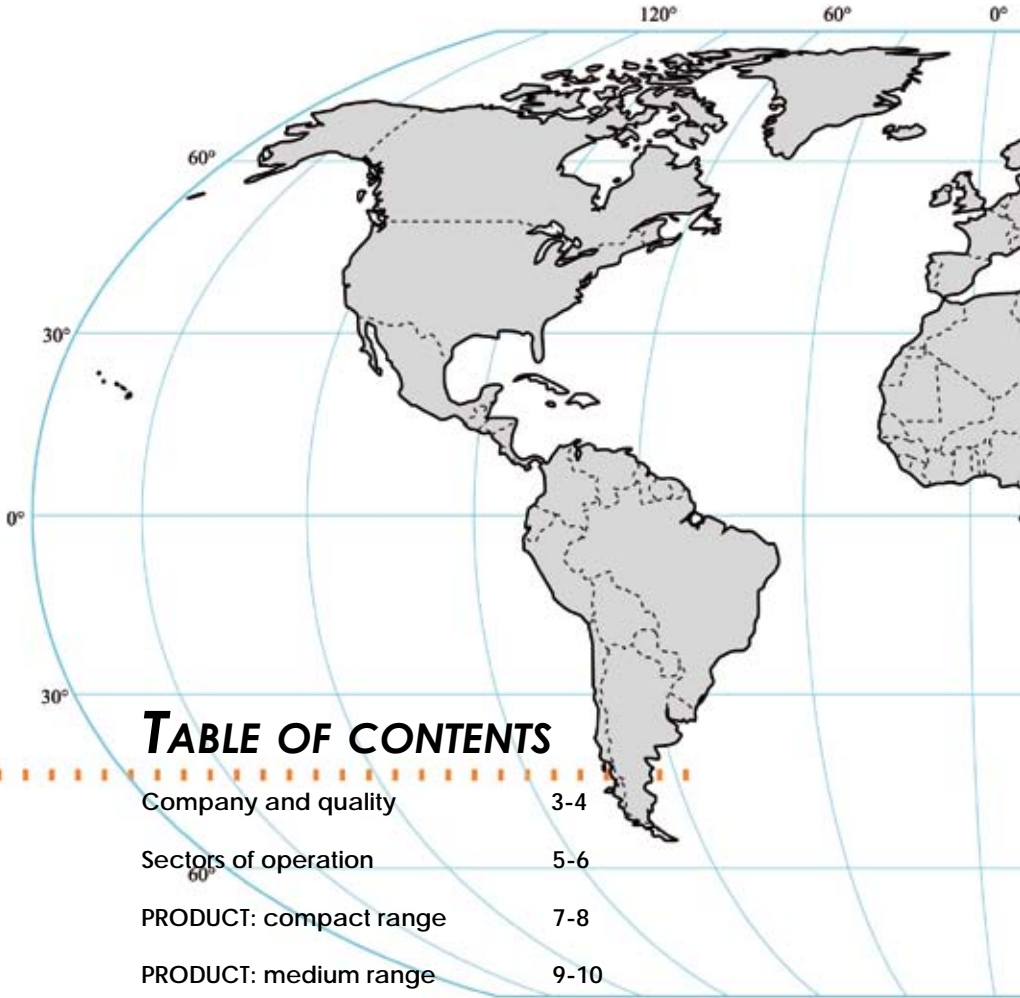
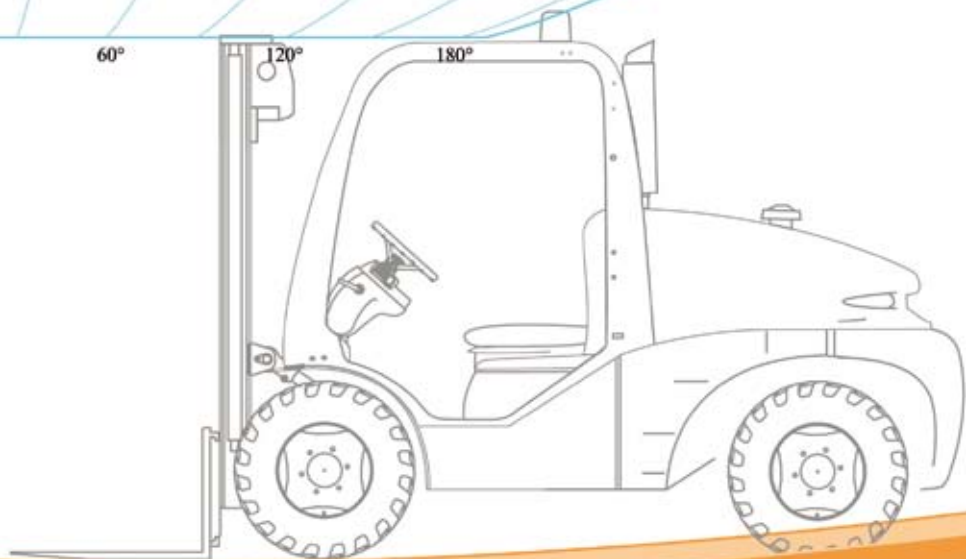


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Load stability examination certification

National standard transposed from C-type European Standard,
according to Section 5.2 of Directive 98/37/EC
(Murcia, July 2007)

COMPANY

Mecano Continental began operations as a manufacturer of forklift trucks some 23 years ago and since then, our aim has been to achieve maximum customer satisfaction and trust.

Today, the MECANO CONTINENTAL team continuously works to meet the needs and expectations of our clients and distributors, by offering a functional and high quality product at a reasonable price.

We are constantly taking on new challenges to test our ability to excel, making extra efforts every day to undertake new commitments with our clients, thereby consolidating our well-deserved company reputation with history, with continuance, financial security and a promising future.

SERVICE AND QUALITY

In recognition of the EC Declaration of Conformity and in order to guarantee quality and safety, we subject all our machinery to several quality procedures and testing codes, which comply with machinery directive 98/37/EC, gas emission directive 97/68/EC, electromagnetic compatibility directive 89/336/EC, noise emission directive 2000/14/EC, mechanical testing and design guidelines established in standards ASME B56,1-2004 and B56,6-2002 and the Omologazione Stradale.

Laboratories accredited by E.N.A.C also put our machinery through rigorous checks, which are then verified and certified by prestigious Notifying Entities such as Bureau Veritas, Lloyd's Register and T.U.V.

Our Safety and Prevention department conducts numerous tests to check that noise levels emitted by our machinery comply with those levels permitted by law, constantly working to improve our quality in accordance with regulatory standard ISO 14001.

Certified ISO 9001 by

BV



mast®
EXPLORER®



"Your workload an adventure... ...MAST EXPLORER your number one tool"

MAST EXPLORER forklifts are ready to provide support in multiple industrial sectors where only rough terrain machines will do due to the areas' difficult terrains (such as an uneven relief or rough surfaces).

No matter how complicated your projects may be, adversities are no longer a problem: tackling dirt tracks, sand dunes in a desert, loading in the middle of a jungle or working in mines...



*Oil
installations*



Agriculture



Forestry



Mining

We know your everyday workload can be an adventure. We understand that not all surfaces are the same but it is easy for us to work on all of them and that is why we have made our machines your number one tool.

MAST EXPLORER also offers a wide range of extras and attachments to kit out your machines so there is nothing they cannot do.



Construction



Industry



Humanitarian missions



Armed Forces

Useful and versatile, MAST EXPLORER machines perform functions in important worldwide organizations such as NATO and the British Red Cross. They also provide support for the forestry industry in Canada, marble mines in Spain and oil installations in Saudi Arabia.

Nothing is too much for the MAST EXPLORER powerful engines and efficient 4x4 traction system. Capabilities range from 1.5 to 7 tonne with 35% gradeability. They can get into even the smallest of corners as nothing is beyond their scope. And the wide range of available attachments and options open up an immense number of possibilities. You can do just what you need to.



STANDARD FEATURES

5-function hydraulic joystick

Full road lights

Hinged wing mirrors.

Automatic locking of differential.

Automatic choke.

1200 mm forks.

Comer differential axles with mechanical parking brake and oil-bathed disc service brake.

HP automotive hydrostatic transmission with top-quality variable displacement engine.

Parker double-barrel gear pump.

Cooling system for the hydrostatic transmission that is totally independent from the engine.

Additional filter system in hydraulic tank.

Sauer-Danfoss power steering.

ERGONOMICS

Fully adjustable steering column, both height and depth.

Comfortable seat with seat belts.

SAFETY

Emergency stop.

Interior exhaust vent.

Soundproofed cabin compartment.

Maximum chassis robustness and resistance.

SIMPLICITY

No electronic elements.

Machine components easily accessible, thereby guaranteeing quick maintenance.

Components of well-known worldwide prestige.

No plastic elements

VERSATILITY

Three-stage masts with 4 cylinders and integrated side shifter for maximum visibility.

Wide range of attachments available.

Large variety of masts.

WE SHARE YOUR WORKLOAD

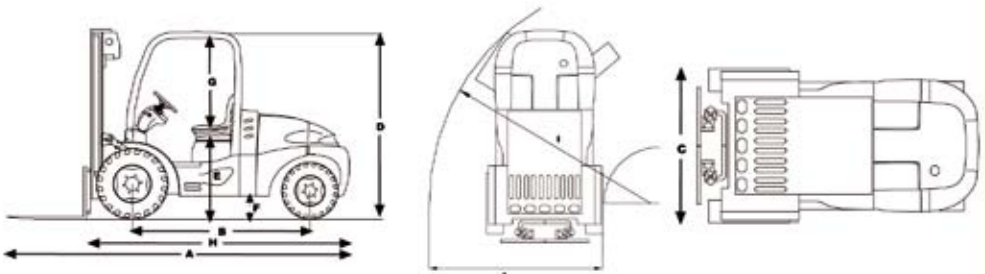


The MAST EXPLORER 1.5 to 2 tonne compact range is the ideal option for areas with limited work space. Compact and agile, they can get into any corner.



		H15D	H20DL
CHARACTERISTICS	CAPACITY	1.500 kg	2.000 kg
	LOAD CENTER	500 mm	500 mm
	ENGINE	Diesel	Diesel
	FRONT/REAR WHEELS TYPE	Pneumatic	Pneumatic
	DRIVING WHEELS	Available as 2WD and 4WD	
MAST	FORK CARRIAGE	FEM 2B	FEM 2B
	FORK LENGTH	1.200 mm	1.200 mm
	FORWARD / BACKWARD TILT	10 / 12°	10 / 12°
	MAX. SPEED FOR LIFTING LOAD	0.4 m/s	0.4 m/s
	MAX. SPEED FOR LOWERING LOAD	0.5 m/s	0.5 m/s
DIMENSIONS	TOTAL LENGTH A	3.850 mm	3.950 mm
	LENGTH TO FORK CARRIAGE H	2.500 mm	2.650 mm
	DISTANCE FROM LOAD TO FRONT AXLE	665 mm	665 mm
	DISTANCE BETWEEN AXLES B	1.485 mm	1.485 mm
	REAR OVERHANG	545 mm	645 mm
	TOTAL HEIGHT WITHOUT MAST D	2.000 mm	2.000 mm
	HEIGHT OF DRIVER'S SEAT E	1.030 mm	1.030 mm
	HEIGHT FROM SEAT TO ROOF G	970 mm	970 mm
	GROUND CLEARANCE F	2WD: 300 mm / 4WD: 270 mm	
	TOTAL WIDTH C	1.400 mm	1.470 mm
	FRONT / REAR TREAD	1.110 / 1.110 mm	1.180 / 1.180 mm
	TURNING RADIUS I	2WD: 2.650 mm / 4WD: 3.875 mm	
	AISLE WIDTH J	3.450 mm	3.475 mm
WEIGHTS	TOTAL WEIGHT (without load)	2.750 Kg	3.090 Kg
	WEIGHT ON AXLES WITH LOAD	3.665kg / 405Kg	4.680kg / 410kg
	WEIGHT ON AXLES WITHOUT LOAD	1.020kg / 1.550kg	1.140kg / 1.950kg
	MAXIMUM PERMISSIBLE WEIGHT	4.070kg	5.090kg
WHEELS TYPE	FRONT WHEELS	10 - 16.5 / 12PR NHS	10 - 16.5 / 12PR NHS
	REAR WHEELS	10 - 16.5 / 12PR NHS	10 - 16.5 / 12PR NHS
	SERVICE BRAKE	Hydraulic	Hydraulic
	PARKING BRAKE	Mechanical footbrake	Mechanical footbrake
PERFORMANCE	SPEED WITHOUT LOAD	2WD: 18km/h / 4WD: 22km/h	2WD: 24km/h / 4WD: 22km/h
	SPEED WITH LOAD	2WD: 15km/h / 4WD: 18km/h	2WD: 20km/h / 4WD: 18km/h
	RATED TRACTION FORCE WITHOUT LOAD	2WD: 1.350daN / 4WD: 2.250daN	2WD: 1.850daN / 4WD: 2.250daN
	RATED TRACTION FORCE WITH LOAD	2WD: 1.000daN / 4WD: 1.750daN	2WD: 1.150daN / 4WD: 1.350daN
	GRADEABILITY	35% without load and 30% with load	
ENGINE	MAKE / ENGINE	PERKINS 2WD: 403C11 / 4WD: 404C15	PERKINS 2WD y 4WD: 404C15
	NO. CYLINDERS / DISPLACEMENT	2WD: N°3 1.131cm³ / 4WD: N°4 1.508cm³	2WD y 4WD: N°4 1.508cm³
	TRUE HORSE POWER HP/KW	2WD: 26.1CV/19.5KW / 4WD: 35.5CV/26.5KW	2WD y 4WD: 35.5CV / 26.5KW
	TAXABLE HORSE POWER HP/KW	2WD: 8.43CV/6.2KW / 4WD: 11.24CV/8.27KW	2WD y 4WD: 11.24CV / 8.27KW
	RATING	3.000 r.p.m	
MISCELLANEOUS	FORWARD/REVERSE GEAR SHIFT	Electric	Electric
	TRANSMISSION	Hydrostatic	Hydrostatic
	NOISE LEVEL	104dB (A)	104dB (A)

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STANDARD FEATURES

5-function hydraulic joystick

Full road lights

Hinged wing mirrors

ZF Limited Slip brand automatic locking of differential.

Automatic choke.

1200 mm forks.

ZF differential axles with mechanical parking brake and oil-bathed disc service brake.

Rexroth automotive hydrostatic transmission with top-quality variable displacement engine.

Parker double-barrel gear pump.

Cooling system for the hydrostatic transmission that is totally independent from the engine.

Double hydraulic/hydrostatic oil tank

Sauer-Danfoss power steering.

ERGONOMICS

Fully adjustable steering column, both height and depth.

Standard **Grammer** brand asymmetric seat with 5 adjustments

SAFETY

Emergency stop.

Exhaust vent with double muffler.

Soundproofed cabin compartment.

Maximum chassis robustness and resistance.

SIMPLICITY

No electronic elements.

Machine components easily accessible, thereby guaranteeing quick maintenance.

Components of well-known worldwide prestige.

No plastic elements

VERSATILITY

Three-stage masts with 4 cylinders and integrated side shifter for maximum visibility.

Wide range of attachments available.

Large variety of masts.

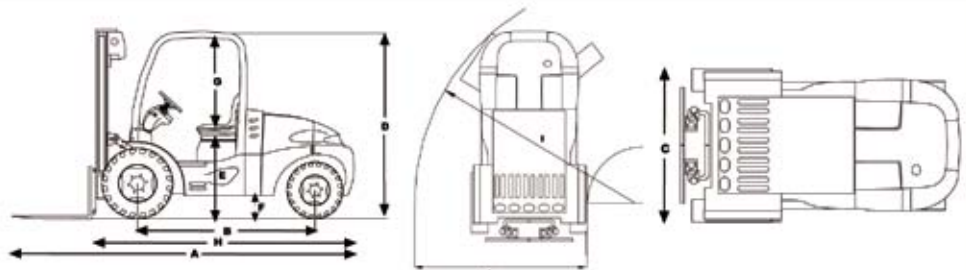
100% ROUGH TERRAIN



All terrain machines from 5,000lb: power and safety. They speak for themselves. Our forklift trucks most sold.

		H25DA	H30DA	H33DA
CHARACTERISTICS	CAPACITY	2.500 kg	3.000 kg	3.300 Kg
	LOAD CENTER	500 mm	500 mm	500 mm
	ENGINE	Diesel	Diesel	Diesel
	FRONT/REAR WHEELS TYPE	Pneumatic	Pneumatic	Pneumatic
	DRIVING WHEELS	Available as 2WD and 4WD		
MAST	FORK CARRIAGE	FEM 3B	FEM 3B	FEM 3B
	FORK LENGTH	1.200 mm	1.200 mm	1.200 mm
	FORWARD / BACKWARD TILT	10 / 12°	10 / 12°	10 / 12°
	MAX. SPEED FOR LIFTING LOAD	0.4 m/s	0.4 m/s	0.4 m/s
	MAX. SPEED FOR LOWERING LOAD	0.5 m/s	0.5 m/s	0.5 m/s
DIMENSIONS	TOTAL LENGTH A	4.275 mm	4.375 mm	4.475 mm
	LENGTH TO FORK CARRIAGE H	3.075 mm	3.175 mm	3.275 mm
	DISTANCE FROM LOAD TO FRONT AXLE	665 mm	665 mm	665 mm
	DISTANCE BETWEEN AXLES B	1.875 mm	1.875 mm	1.875 mm
	REAR OVERHANG	550 mm	650 mm	750 mm
	TOTAL HEIGHT WITHOUT MAST D	2.150 mm	2.150 mm	2.150 mm
	HEIGHT OF DRIVER'S SEAT E	1.100 mm	1.100 mm	1.100 mm
	HEIGHT FROM SEAT TO ROOF G	1.050 mm	1.050 mm	1.050 mm
	GROUND CLEARANCE F	2WD: 300 mm / 4WD: 275 mm		
	TOTAL WIDTH C	1.585 mm	1.585 mm	1.585 mm
	FRONT / REAR TREAD	1.270 / 1.270 mm	1.270 / 1.270 mm	1.270 / 1.270 mm
	TURNING RADIUS I	2WD: 3.300 mm / 4WD: 4.300 mm		
AISLE WIDTH J	2WD: 4.300 mm / 4WD: 4.900 mm	2WD: 4.350 mm / 4WD: 4.950 mm	2WD: 4.400 mm / 4WD: 5.000 mm	
WEIGHTS	TOTAL WEIGHT (without load)	4.480 Kg	4.950 Kg	5.280 Kg
	WEIGHT ON AXLES WITH LOAD	6.240 kg / 740 Kg	7.315 kg / 635 kg	7.780 kg / 690 kg
	WEIGHT ON AXLES WITHOUT LOAD	2.210 kg / 2.270 kg	2.280 kg / 2.670 kg	2.405 kg / 2.875 kg
	MAXIMUM PERMISSIBLE WEIGHT	6.980 kg	7.950 kg	8.280 kg
WHEELS TYPE	FRONT WHEELS	12 - 16.5 / 12PR NHS	12 - 16.5 / 14PR NHS	12 - 16.5 / 14PR NHS
	REAR WHEELS	2WD: 10 - 16.5 / 12PR NHS 4WD: 12 - 16.5 / 12PR NHS	2WD: 10 - 16.5 / 12PR NHS 4WD: 12 - 16.5 / 14PR NHS	2WD: 10 - 16.5 / 12PR NHS 4WD: 12 - 16.5 / 14PR NHS
	SERVICE BRAKE	Hydraulic	Hydraulic	Hydraulic
	PARKING BRAKE	Negative	Negative	Negative
PERFORMANCE	SPEED WITHOUT LOAD	24 Km/h	24 Km/h	24 Km/h
	SPEED WITH LOAD	20 Km/h	20 Km/h	20 Km/h
	RATED TRACTION FORCE WITHOUT LOAD	2WD: 2.550daN / 4WD: 2.750daN		
	RATED TRACTION FORCE WITH LOAD	2.550daN		
	GRADEABILITY	35% without load and 30% with load		
ENGINE	MAKE / ENGINE	2WD: PERKINS 404C22 4WD: PERKINS 404C22T		
	NO. CYLINDERS / DISPLACEMENT	N°4 2.216 cm ³	N°4 2.216 cm ³	N°4 2.216 cm ³
	TRUE HORSE POWER HP/KW	2WD: 51 CV / 38 KW and 4WD: 60 CV / 44.7 KW		
	TAXABLE HORSE POWER HP/KW	14.16 CV / 10.42 KW		
	RATING	3.000 r.p.m		
MISCELLANEOUS	FORWARD/REVERSE GEAR SHIFT	Electric	Electric	Electric
	TRANSMISSION	Hydrostatic	Hydrostatic	Hydrostatic
	NOISE LEVEL	104dB (A)	104dB (A)	104dB (A)

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STANDARD FEATURES

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Full road lights

Hinged wing mirrors.

Automatic locking of differential.

Automatic choke.

1200 mm forks.

Comer differential axles with mechanical parking brake and oil-bathed disc service brake.

Linde automotive hydrostatic transmission with top-quality variable displacement engine.

Parker double-barrel gear pump.

Cooling system for the hydrostatic transmission that is totally independent from the engine.

Double hydraulic/hydrostatic oil tank.

Sauer-Danfoss power steering.

ERGONOMICS

Fully adjustable steering column, both height and depth.

Standard **Grammer** brand asymmetric seat with 5 adjustments.

SAFETY

Emergency stop.

Exhaust vent with double muffler.

Soundproofed cabin compartment.

Maximum chassis robustness and resistance.

SIMPLICITY

No electronic elements.

Machine components easily accessible, thereby guaranteeing quick maintenance.

Components of well-known worldwide prestige.

No plastic elements

VERSATILITY

Three-stage masts with 4 cylinders and integrated side shifter for maximum visibility.

Wide range of attachments available.

Large variety of masts.

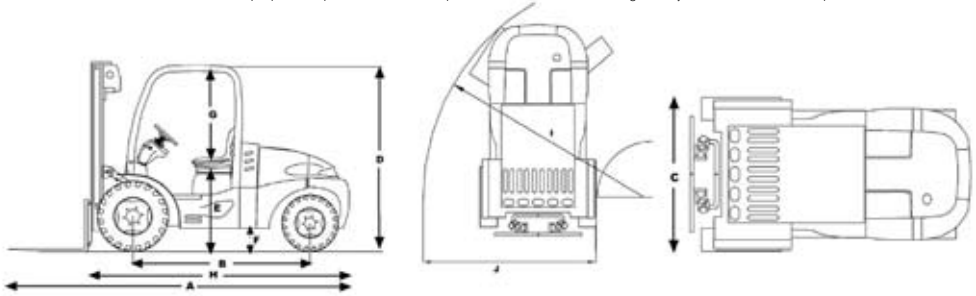
BETTER PERFORMANCE



“Powerfull, incorporating the latest PERKINS engine, a machine ahead of its time.

		H35D	H40DL
CHARACTERISTICS	CAPACITY	3.500 kg	4.000 kg
	LOAD CENTER	500 mm	500 mm
	ENGINE	Diesel	Diesel
	FRONT/REAR WHEELS TYPE	Pneumatic	Pneumatic
	DRIVING WHEELS	Available as 2WD and 4WD	
MAST	FORK CARRIAGE	FEM 3B	FEM 3B
	FORK LENGTH	1.200 mm	1.200 mm
	FORWARD / BACKWARD TILT	10 / 12°	10 / 12°
	MAX. SPEED FOR LIFTING LOAD	0.4 m/s	0.4 m/s
	MAX. SPEED FOR LOWERING LOAD	0.5 m/s	0.5 m/s
DIMENSIONS	TOTAL LENGTH A	4.545 mm	4.645 mm
	LENGTH TO FORK CARRIAGE H	3.345 mm	3.445 mm
	DISTANCE FROM LOAD TO FRONT AXLE	665 mm	665 mm
	DISTANCE BETWEEN AXLES B	2.045 mm	2.045 mm
	REAR OVERHANG	750 mm	750 mm
	TOTAL HEIGHT WITHOUT MAST D	2.160 mm	2.160 mm
	HEIGHT OF DRIVER'S SEAT E	1.125 mm	1.125 mm
	HEIGHT FROM SEAT TO ROOF G	1.075 mm	1.075 mm
	GROUND CLEARANCE F	2WD: 340 mm / 4WD: 310 mm	
	TOTAL WIDTH C	1.750 mm	1.750 mm
	FRONT / REAR TREAD	1.435 / 1.435 mm	1.435 / 1.435 mm
	TURNING RADIUS I	2WD: 2.650 mm / 4WD: 3.850 mm	
AISLE WIDTH J	2WD: 5.100 mm 4WD: 5.500 mm	2WD: 5.175 mm 4WD: 5.500 mm	
WEIGHTS	TOTAL WEIGHT (without load)	5.780 kg	6.029 kg
	WEIGHT ON AXLES WITH LOAD	8.538 kg / 742 Kg	9.227 kg / 802 kg
	WEIGHT ON AXLES WITHOUT LOAD	2.659 kg / 3.121 kg	2.773 kg / 3.256 kg
	MAXIMUM PERMISSIBLE WEIGHT	9.280 kg	10.029 kg
WHEELS TYPE	FRONT WHEELS	400 - 15.5 / 14PR NHS	
	REAR WHEELS	400 - 15.5 / 14PR NHS	
	SERVICE BRAKE	Hydraulic	Hydraulic
	PARKING BRAKE	Mechanical Footbrake	Mechanical Footbrake
PERFORMANCE	SPEED WITHOUT LOAD	2WD / 4WD: 24 Km/h	2WD / 4WD: 24 Km/h
	SPEED WITH LOAD	2WD / 4WD: 20 Km/h	2WD / 4WD: 20 Km/h
	RATED TRACTION FORCE WITHOUT LOAD	2WD: 3.000 daN / 4WD: 3.500 daN	
	RATED TRACTION FORCE WITH LOAD	2WD: 2.250 daN / 4WD: 2.750 daN	
	GRADEABILITY	35% without load and 30% with load	
ENGINE	MAKE / ENGINE	PERKINS 2WD: 804C33 and 4WD: 804C33T	
	NO. CYLINDERS / DISPLACEMENT	2WD and 4WD: N°4 3.331cm³	
	TRUE HORSE POWER HP/KW	2WD: 63.16 CV / 47,1 KW / 4WD: 80.46 CV / 60 KW	
	TAXABLE HORSE POWER HP/KW	2WD / 4WD: 18.09 CV / 13.3 KW	
	RATING	2.600 r.p.m	
MISCELLANEOUS	FORWARD/REVERSE GEAR SHIFT	Electric	Electric
	TRANSMISSION	Hydrostatic	Hydrostatic
	NOISE LEVEL	104dB (A)	104dB (A)

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STANDARD FEATURES

5-function hydraulic joystick

Full road lights

Hinged wing mirrors.

Automatic locking of differential.

Automatic choke.

1500 mm forks.

Comer differential axles with mechanical parking brake and oil-bathed disc service brake.

Linde automotive hydrostatic transmission with top-quality variable displacement engine.

Parker double-barrel gear pump.

Cooling system for the hydrostatic transmission that is totally independent from the engine.

Double hydraulic/hydrostatic oil tank.

Sauer-Danfoss power steering.

ERGONOMICS

Fully adjustable steering column, both height and depth.

Standard **Grammer** brand asymmetric seat with 5 adjustments.

SAFETY

Emergency stop.

Exhaust vent with double muffler.

Soundproofed cabin compartment.

Maximum chassis robustness and resistance.

SIMPLICITY

No electronic elements.

Machine components easily accessible, thereby guaranteeing quick maintenance.

Components of well-known worldwide prestige.

No plastic elements

VERSATILITY

Three-stage masts with 4 cylinders and integrated side shifter for maximum visibility.

Wide range of attachments available.

Large variety of masts.

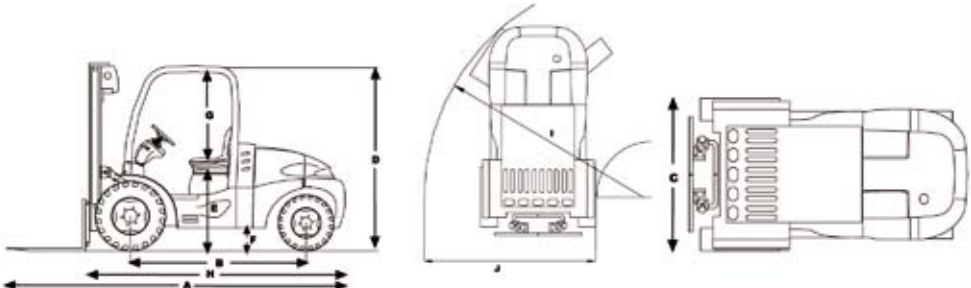
A HEAVY DUTY SOLUTION



Handling heavy loads become much easier when you have MAST EXPLORER technology.

		H50DA	H60DA	H70DA
CHARACTERISTICS	CAPACITY	5.000 kg	6.000 kg	7.000 kg
	LOAD CENTER	600 mm	500 mm	500 mm
	ENGINE	Diesel	Diesel	Diesel
	FRONT/REAR WHEELS TYPE	Pneumatic	Pneumatic	Pneumatic
	DRIVING WHEELS	Available as 2WD		
MAST	FORK CARRIAGE	FEM 3B	FEM 3B	FEM 3B
	FORK LENGTH	1.500 mm	1.500 mm	1.500 mm
	FORWARD / BACKWARD TILT	10 / 12°	10 / 12°	10 / 12°
	MAX. SPEED FOR LIFTING LOAD	0.4 m/s	0.4 m/s	0.4 m/s
	MAX. SPEED FOR LOWERING LOAD	0.5 m/s	0.5 m/s	0.5 m/s
DIMENSIONS	TOTAL LENGTH A	5.030 mm	5.030 mm	5.200 mm
	LENGTH TO FORK CARRIAGE H	3.565 mm	3.565 mm	3.735 mm
	DISTANCE FROM LOAD TO FRONT AXLE	690 mm	690 mm	690 mm
	DISTANCE BETWEEN AXLES B	2.125 mm	2.125 mm	2.295 mm
	REAR OVERHANG	750 mm	750 mm	750 mm
	TOTAL HEIGHT WITHOUT MAST D	2.470 mm	2.470 mm	2.470 mm
	HEIGHT OF DRIVER'S SEAT E	1.420 mm	1.420 mm	1.420 mm
	HEIGHT FROM SEAT TO ROOF G	1.050 mm	1.050 mm	1.050 mm
	GROUND CLEARANCE F	380 mm	380 mm	380 mm
	TOTAL WIDTH C	1.960 mm	1.960 mm	1.960 mm
	FRONT / REAR TREAD	1.560 mm / 1.445 mm	1.560 mm / 1.445 mm	1.560 mm / 1.445 mm
TURNING RADIUS I	4.000 mm	4.000 mm	4.250 mm	
AISLE WIDTH J	5.000 mm	5.000 mm	5.170 mm	
WEIGHTS	TOTAL WEIGHT (without load)	6.965 kg	7.715 kg	7.800 kg
	WEIGHT ON AXLES WITH LOAD	11.240kg / 725Kg	12.280 kg / 1.435 Kg	13.320 kg / 1.480 kg
	WEIGHT ON AXLES WITHOUT LOAD	3.150 kg / 3.860 kg	3.145 kg / 4.570 kg	3.235 kg / 4.565 kg
	MAXIMUM PERMISSIBLE WEIGHT	11.965 kg	13.715 kg	14.800 kg
WHEELS TYPE	FRONT WHEELS	16/70 - 16.5 / 14PR NHS	16/70 - 16.5 / 14PR NHS	16/70 - 16.5 / 14PR NHS
	REAR WHEELS	12 - 16.5 / 14PR NHS	12 - 16.5 / 14PR NHS	12 - 16.5 / 14PR NHS
	SERVICE BRAKE	Hydraulic	Hydraulic	Hydraulic
	PARKING BRAKE	Mechanical footbrake	Mechanical footbrake	Mechanical footbrake
PERFORMANCE	SPEED WITHOUT LOAD	24 Km/h	24 Km/h	24 Km/h
	SPEED WITH LOAD	20 Km/h	20 Km/h	20 Km/h
	RATED TRACTION FORCE WITHOUT LOAD	4.250 daN	4.550 daN	4.550 daN
	RATED TRACTION FORCE WITH LOAD	2.050 daN	2.050 daN	2.050 daN
	GRADEABILITY	35% without load and 30% with load		
ENGINE	MAKE / ENGINE	PERKINS 1104C44	PERKINS 1104C44T	
	NO. CYLINDERS / DISPLACEMENT	N°4 / 4.398 cm³	N°4 / 4.398 cm³	N°4 / 4.398 cm³
	TRUE HORSE POWER HP/KW	85,82 CV/ 64 KW	100,4 CV / 74,6 KW	
	TAXABLE HORSE POWER HP/KW	21,37 CV / 15,72 KW	21,37 CV / 15,72 KW	21,37 CV / 15,72 KW
	RATING	2.400 r.p.m		
MISCELLANEOUS	FORWARD/REVERSE GEAR SHIFT	Electric	Electric	Electric
	TRANSMISSION	Hydrostatic	Hydrostatic	Hydrostatic
	NOISE LEVEL	104dB (A)	104dB (A)	104dB (A)

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MAST Loader

EXPLORER

400

CHARACTERISTICS	CAPACITY	1.955 kg
	LOAD CENTER	500 mm
	ENGINE	Diesel
	FRONT/REAR WHEELS TYPE	Pneumatic
	DRIVING WHEELS	Available as 4WD
BUCKET	OVERALL LIFT HEIGHT	2670 mm
	BUCKET CAPACITY	500 / 300
	FORWARD / BACKWARD TILT	10 / 12°
	MAX. SPEED FOR LIFTING LOAD	0.4 m/s
	MAX. SPEED FOR LOWERING LOAD	0.5 m/s
DIMENSIONS	TOTAL LENGTH	3.950 mm
	DISTANCE BETWEEN AXLES	1.485 mm
	REAR OVERHANG	645 mm
	TOTAL HEIGHT WITHOUT BUCKET	2.000 mm
	TOTAL HEIGHT WITH BUCKET EXTENDED	3.700 mm
	HEIGHT OF DRIVER'S SEAT	1.030 mm
	HEIGHT FROM SEAT TO ROOF	970 mm
	GROUND CLEARANCE	270 mm
	TOTAL WIDTH	1.470 mm
	FRONT / REAR TREAD	1.180 / 1.180 mm
	TURNING RADIUS	3.875 mm
	aisle width	3.475 mm
WEIGHTS	TOTAL WEIGHT (without load)	3.090 kg
	WEIGHT ON AXLES WITH LOAD	4.680 kg / 410 kg
	WEIGHT ON AXLES WITHOUT LOAD	1.140 kg / 1.950 kg
	MAXIMUM PERMISSIBLE WEIGHT	5.090 kg



WHEELS TYPE	FRONT WHEELS	10- 16.5 / 12 PR NHS
	REAR WHEELS	10- 16.5 / 12 PR NHS
	SERVICE BRAKE	Hydraulic
	PARKING BRAKE	Negative hydraulic
PERFORMANCE	SPEED WITHOUT LOAD	22 km/h
	SPEED WITH LOAD	18 km/h
	RATED TRACTION FORCE WITHOUT LOAD	2.250 daN
	RATED TRACTION FORCE WITH LOAD	1.350 daN
	GRADEABILITY	35% without load and 30% with load
ENGINE	MAKE / ENGINE	PERKINS 404C15
	NO. CYLINDERS / DISPLACEMENT	4 / 1.508 cm ³
	TRUE HORSE POWER HP/KW	35.5 HP / 26.5 KW
	TAXABLE HORSE POWER HP/KW	14.16 HP / 10.42 KW
	RATING	3.000 rpm
MISCELLANEOUS	FORWARD/REVERSE GEAR SHIFT	Electric
	TRANSMISSION	Hydrostatic
	NOISE LEVEL	104 dB (A)

Due to our commitment to continually improve our products, all technical specifications included in our catalog are subject to modification without prior notice.

STANDARD FEATURES

- 5-function hydraulic joystick
- Full road lights
- Hinged wing mirrors
- Automatic locking of the differential
- Automatic choke
- **Comer** differential axles with mechanical parking brake and oil-bathed disc service brake.
- **Rexroth** automotive hydrostatic transmission with top-quality variable displacement engine.
- **Parker** double-barrel gear pump.
- Cooling system for the hydrostatic transmission that is totally independent from the engine.
- Double hydraulic/hydrostatic oil pan.
- **Sauer-Danfoss** power steering

Guarantees maximum safety

MAST LOADER TRUCKS loaders provide an efficient solution for your work situation as they are safe and comfortable yet also easily maneuverability. Their small size and 4-wheel drive make them ideal for overcoming any type of obstacle.

It can resolve any problems your work may put in its way while providing solutions for every situation.





THREE-STAGE MAST WITH 4 CYLINDERS
AND INTEGRATED SIDE SHIFTER FOR
MAXIMUM VISIBILITY

Better functionality

MAST EXPLORER forklift trucks are efficient because they are made from the best components available on the market to ensure a better functionality and to make them easier to use.

We are committed to making all of our machine parts easily accessible: their interior components can be checked by simply opening the hood.



DOUBLE WATER AND OIL
RADIATOR



SINGLE-BODY DISTRIBUTOR WITH
4 SERIAL VALVES



SIDE WHEEL GUARD



5-FUNCTION JOYSTICK



FULL CABIN



Better ergonomics

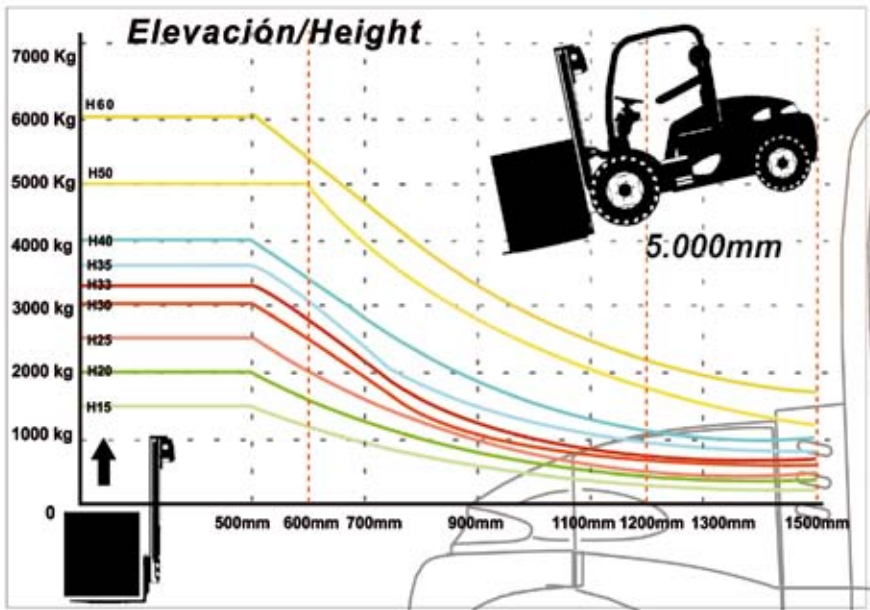
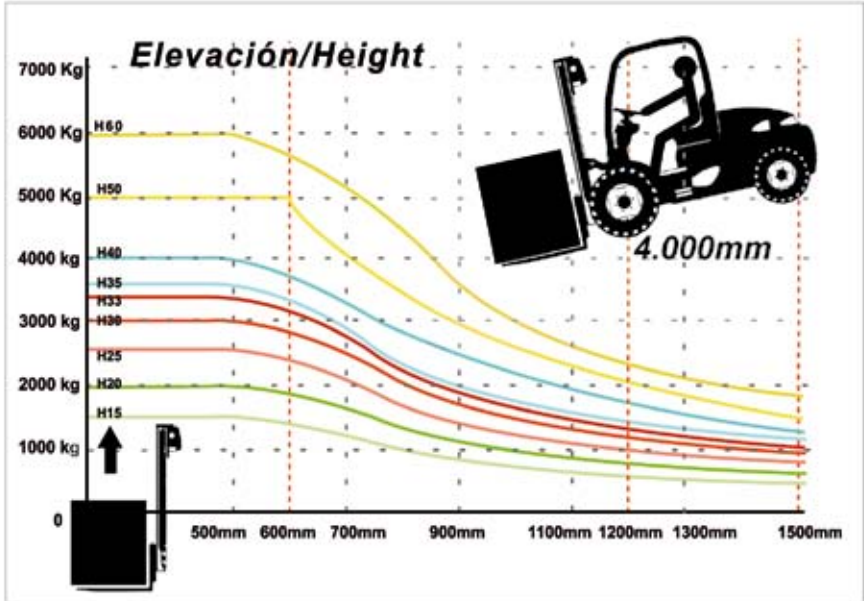
Our number-one objective is to provide machines with maximum ergonomics that are suited to the needs of its drivers and that help improve your work. We are also committed to making improvements that may benefit the drivers' active and passive safety.

Another area that once represented a handicap but that we have now successfully overcome is the comfort of our MAST EXPLORER. We now offer a series of details that make our machines even more comfortable, as in the case of the steering column, which is totally adjustable both in terms of height and depth.



ADJUSTABLE STEERING COLUMN

LOSS OF CAPACITY DIAGRAM



AVAILABLE MASTS:

H15D and H20DL:

- 2700 mm two-stage mast (2090 mm retracted)
- 3300 mm two-stage mast (2350 mm retracted)
- Three-stage mast, 3700 mm free lift (1970 mm retracted)
- Three-stage mast, 4300 mm free lift (2160 mm retracted)

H25DA, H30DA and H33DA:

- 3300 mm two-stage mast (2350 mm retracted)
- 4000 mm two-stage mast (2070 mm retracted)
- Three-stage mast, 3700 mm free lift (1980 mm retracted)
- Three-stage mast, 4700 mm free lift (2300 mm retracted)
- Three-stage mast, 6000 mm free lift (2800 mm retracted)

H35DA and H40DA:

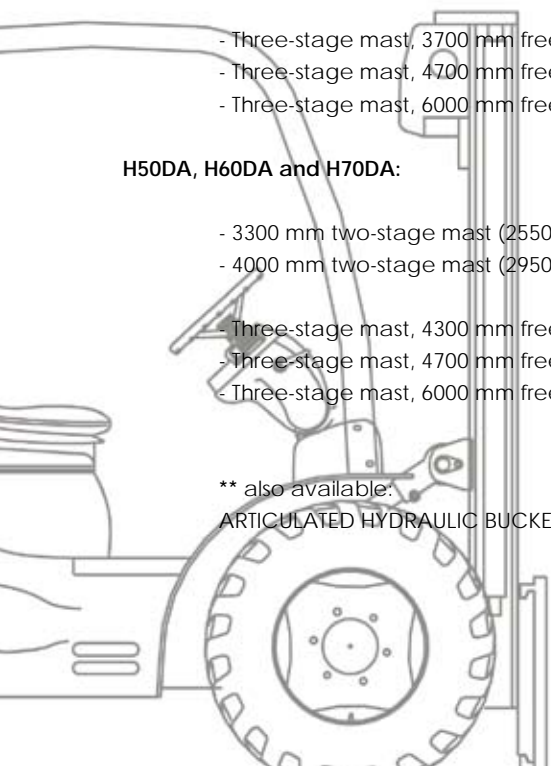
- 3300 mm two-stage mast (2420 mm retracted)
- 4000 mm two-stage mast (2820 mm retracted)
- Three-stage mast, 3700 mm free lift (2130 mm retracted)
- Three-stage mast, 4700 mm free lift (2350 mm retracted)
- Three-stage mast, 6000 mm free lift (2850 mm retracted)

H50DA, H60DA and H70DA:

- 3300 mm two-stage mast (2550 mm retracted)
- 4000 mm two-stage mast (2950 mm retracted)
- Three-stage mast, 4300 mm free lift (2370 mm retracted)
- Three-stage mast, 4700 mm free lift (2500 mm retracted)
- Three-stage mast, 6000 mm free lift (3000 mm retracted)

** also available:

ARTICULATED HYDRAULIC BUCKET, 2650 mm IN HEIGHT



FEATURES AND ATTACHMENTS



Semi-closed cabin



Personalized paint



Full cabin



Standard bucket



Fork-mounted bucket



Vertical load stabilizer



Fork positioner



Front turning clamp attachment



Crane jib



Multiple load handlers



MAST LOADER loader



Bale clamps



Polyurethane tires



Heating



Air conditioning

THE BEST COMPONENTS ON THE MARKET

Our machines excel because they are made from components of well-known worldwide prestige, thereby guaranteeing a quality post-sale service and quick maintenance. However, without a doubt, MAST EXPLORER stands out from the rest due to its mechanical features as it is able to guarantee higher levels of reliability due to the total absence of electronic and plastic elements.



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