



***... Our forklifts can go anywhere
in the world"***





Load stability certification

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

MECANO CONTINENTAL

COMPANY

Mecano Continental began operations as a forklift truck manufacturer 25 years ago. Since then, our aim has been to achieve maximum customer satisfaction and trust.

The MECANO CONTINENTAL team works continuously 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 and undertaking commitments with our clients, thereby consolidating our well deserved company reputation with history, 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, all our machines follow 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 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.Ü.V.

All our production processes meet with ISO 9001 and ISO 14001, what makes sure that our manufacturing takes into account all quality and environmental issues.



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.

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
Agriculture*



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 customise 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 forest industry in Canada, marble mines in Australia, and oil installations in Saudi Arabia.

Nothing is too much for the MAST EXPLORER powerful engines and efficient 4x4 traction system. Capabilities range from 1.3 to 7 tons 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.



MICRO RANGE H13D / H16D

STANDARD FEATURES

- 5 function hydraulic joystick (lift, tilt, sideshift, forward/backward, inching)
- Full road lights
- Inside rear panoramic mirror
- 1200 mm forks
- Manual differential lock through flow divider (Only 4WD)
- Automatic cold starter (mechanic)
- Rexroth Hydrostatic transmission + **Poclair** wheelmotor with negative parking brake and cooling valves
- **Parker** double gear pump for steering and mast
- Cooling system for the hydrostatic transmission is totally independent from the engine
- Suction filters in hydraulic tank
- **Sauer Danfoss** power steering

ERGONOMICS

- Tilt adjustable steering column
- Comfortable seat, with seatbelt

SAFETY

- Emergency stop
- Vertical exhaust
- Maximum chassis robustness and resistance

SIMPLICITY

- No electronics
- Machine components easily accessible, allowing a quick maintenance
- Components of well-known worldwide prestige
- No plastic elements in chassis

VERSATILITY

- Three-stage masts with 4 cylinders for maximum visibility
- Wide range of attachments available
- Large variety of masts

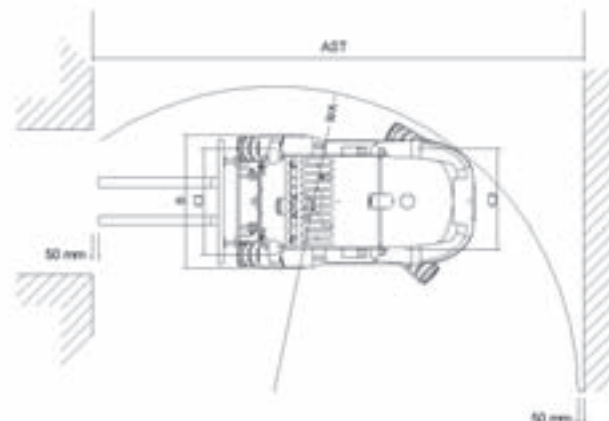
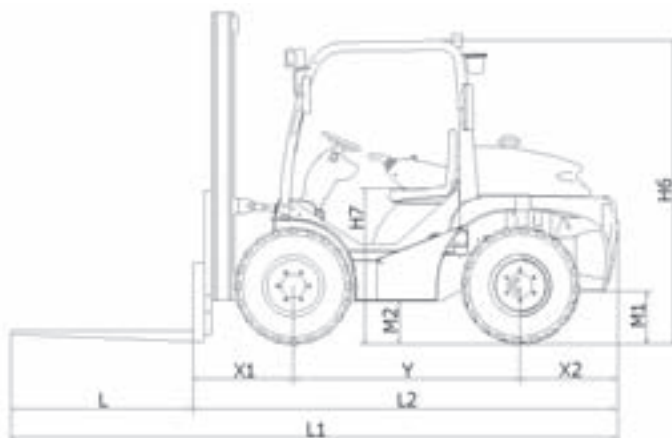
THE NEW CONCEPT



Compact and adaptable; the ideal choice for workplaces that are limited in size.

		H13D	H16D	
CHARACTERISTICS	CAPACITY (kg)	1300	1600	
	LOAD CENTER (mm)	500	500	
	ENGINE FUEL TYPE	DIESEL	DIESEL	
	FRONT/REAR WHEELS TYPE	Pneumatic	Pneumatic	
	DRIVING WHEELS	2WD	2WD	4WD
MAST	FORKS CARRIAGE	FEM II B	FEM II B	
	FORKS LENGTH (mm)	1200	1200	
	FORWARD / BACKWARD TILT (°)	6 / 8	6 / 8	
	LIFTING LOAD MAX. SPEED (m/s)	0.4	0.4	
	LOWERING LOAD MAX. SPEED (m/s)	0.5	0.5	
DIMENSIONS	TOTAL LENGTH (mm) L1	3705	3705	
	LENGTH TO FORKS CARRIAGE (mm) L2	2505	2505	
	DISTANCE FROM LOAD TO FRONT AXLE (mm) X1	500	500	
	DISTANCE BETWEEN AXLES (mm) Y	1460	1460	
	REAR OVERHANG (mm) X2	545	545	
	TOTAL HEIGHT WITHOUT MAST (mm) H6	1890	1890	
	HEIGHT OF DRIVER'S SEAT (mm) H7	1000	1000	
	GROUND CLEARANCE (mm) M1/M2	220 / 230	220 / 230	
	TOTAL WIDTH (mm) B	1175	1175	
	FRONT / REAR TREAD (mm) C1/C2	900 / 960	900 / 960	900 / 920
	TURNING RADIUS Wa	3090	3090	3335
AISLE WIDTH (mm) AST	4890	4890	5135	
WEIGHTS	TOTAL UNLOADED WEIGHT (kg)	2500	2650	
	LOADED-AXLES LOAD FRONT / REAR (kg)	3500 / 300	3950 / 300	
	UNLOADED-AXLES LOAD FRONT / REAR (kg)	1230 / 1270	1260 / 1390	
	MAXIMUM PERMISSIBLE WEIGHT (kg)	3800	4250	
WHEELS TYPE	FRONT WHEELS MTP	10 - 16.5 / 12PR		
	GREEN	29 x 12.50 - 15 / 6PR		
	AGRIC.	10.0 / 75 - 15.3 / 10PR		
	REAR WHEELS MTP	23 x 8.50 - 12 / 6PR		
	GREEN	24 x 13 - 12 / 6PR		
	AGRIC.	-		
SERVICE BRAKE TYPE	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC	
PARKING BRAKE TYPE	NEGATIVE MULTIDISC	NEGATIVE MULTIDISC	NEGATIVE MULTIDISC	
PERFORMANCE	UNLOADED - TRAVELING SPEED (km/h)	18	18	18
	LOADED - TRAVELING SPEED (km/h)	13	13	13
	UNLOADED - MAX. TRACTION FORCE (daN)	1130	1130	1320
	LOADED - MAX. TRACTION FORCE (daN)	880	880	1020
	GRADEABILITY UNLOADED / LOADED (%)	30 / 25	30 / 25	30 / 25
ENGINE	BRAND / MODEL	PERKINS / 403D11 - (OP: KUBOTA / D1305)		
	CYLINDERS / DISPLACEMENT (l/cm ³)	3 / 1130 - (3 / 1261)		
	TRUE POWER (HP/KW)	28,20 / 21,00 - (29,10 / 21,70)		
	TAXABLE POWER (HP/KW)	8,43 / 6,20 - (12,00 / 8,83)		
	RATING (rpm)	3000 - (3000)		
MISCELLANEOUS	FORWARD/REVERSE SHIFT	ELECTRIC	ELECTRIC	ELECTRIC
	TRANSMISSION TYPE	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC
	TRANSMISSION PRESSURE (bar)	350	350	350
	AUX. PRESSURE / FLOW (bar/lpm)	200 / 24	200 / 24	200 / 24
	NOISE LEVEL (dB)	< 104	< 104	< 104

Due to our commitment to continually improve our products, all technical specifications included in our catalog are subject to modification without prior notice. Please note that the total weight shown is based on standard masts.



COMPACT RANGE H15D / H20DL

STANDARD FEATURES

- 5 function hydraulic joystick (lift, tilt, sideshift, 4th valve, inching)
- Full road lights
- Hinged wing mirrors
- 1200 mm forks
- Differential axles with mechanical parking brake and oil-bathed disc service brake
- Automatic cold starter (mechanic)
- **Rexroth** automotive hydrostatic transmission with variable displacement pump
- Parker double gear pump for steering and mast
- Cooling system for the hydrostatic transmission is totally independent from the engine
- Suction filters in hydraulic tank
- **Sauer Danfoss** power steering
- Integrated side-shift

ERGONOMICS

- Fully adjustable steering column, both height and depth
- Comfortable seat with seatbelt

SAFETY

- Emergency stop
- Inner exhaust vent
- Soundproofed cabin isolation
- Maximum chassis robustness and resistance

SIMPLICITY

- No electronics
- Machine components easily accessible, allowing a quick maintenance
- Components of well-known worldwide prestige
- No plastic elements in chassis

VERSATILITY

- Three-stage masts with 4 cylinders for maximum visibility
- Wide range of attachments available
- Large variety of masts

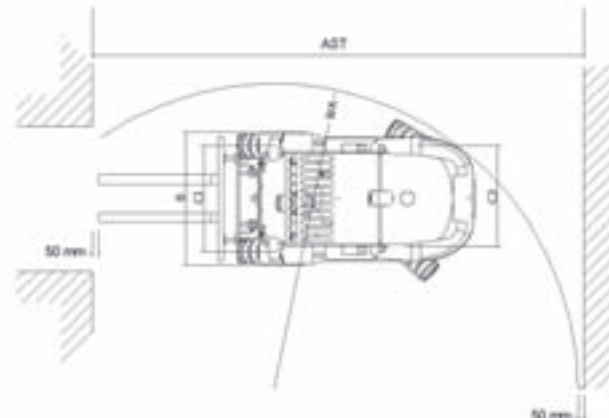
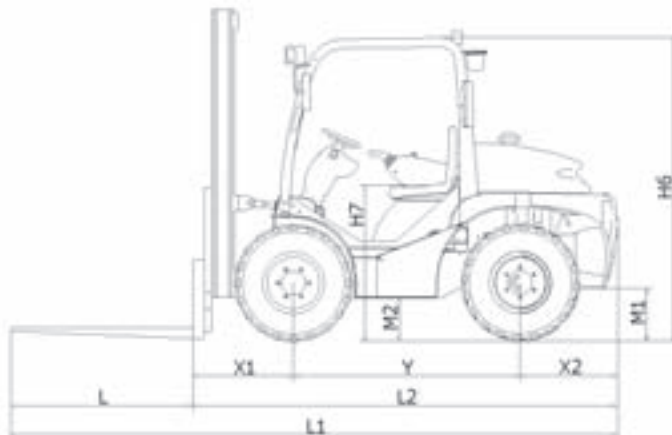
WE SHARE YOUR WORKLOAD



The **MAST EXPLORER** 1.5 to 2 tons 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 (kg)	1500		2000	
	LOAD CENTER (mm)	500		500	
	ENGINE FUEL TYPE	DIESEL		DIESEL	
	FRONT/REAR WHEELS TYPE	Pneumatic		Pneumatic	
	DRIVING WHEELS	2WD	4WD	2WD	4WD
MAST	FORKS CARRIAGE	FEM II B		FEM II B	
	FORKS LENGTH (mm)	1200		1200	
	FORWARD / BACKWARD TILT (°)	10 / 12		10 / 12	
	LIFTING LOAD MAX. SPEED (m/s)	0,4		0,4	
	LOWERING LOAD MAX. SPEED (m/s)	0,5		0,5	
DIMENSIONS	TOTAL LENGTH (mm) L1	3770		3870	
	LENGTH TO FORKS CARRIAGE (mm) L2	2570		2670	
	DISTANCE FROM LOAD TO FRONT AXLE (mm) X1	520		520	
	DISTANCE BETWEEN AXLES (mm) Y	1490		1490	
	REAR OVERHANG (mm) X2	560		660	
	TOTAL HEIGHT WITHOUT MAST (mm) H6	2070		2070	
	HEIGHT OF DRIVER'S SEAT (mm) H7	1090		1090	
	GROUND CLEARANCE (mm) M1/M2	320 / 270		320 / 270	
	TOTAL WIDTH (mm) B	1380		1380	
	FRONT / REAR TREAD (mm) C1/C2	1110 / 1125	1110 / 1110	1110 / 1125	1110 / 1110
	TURNING RADIUS Wa	2650	4010	2650	4010
AISLE WIDTH (mm) AST	4470	5830	4470	5830	
WEIGHTS	TOTAL UNLOADED WEIGHT (kg)	3150		3540	
	LOADED-AXLES LOAD FRONT / REAR (kg)	4250 / 400		4960 / 490	
	UNLOADED-AXLES LOAD FRONT / REAR (kg)	1600 / 1550		1500 / 1950	
	MAXIMUM PERMISSIBLE WEIGHT (kg)	4650		5450	
WHEELS TYPE	FRONT WHEELS MTP	10 - 16.5 / 12PR		10 - 16.5 / 12PR	
	GREEN	29 x 12.50 - 15 / 6PR		29 x 12.50 - 15 / 6PR	
	AGRIC.	10.0 / 75 - 15.3 / 10PR		10.0 / 75 - 15.3 / 10PR	
	REAR WHEELS MTP	10 - 16.5 / 12PR		10 - 16.5 / 12PR	
	GREEN	29 x 12.50 - 15 / 6PR		29 x 12.50 - 15 / 6PR	
	AGRIC.	10.0 / 75 - 15.3 / 10PR		10.0 / 75 - 15.3 / 10PR	
SERVICE BRAKE TYPE	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	
PARKING BRAKE TYPE	MECHANIC DRUM	MECHANIC DRUM	MECHANIC DRUM	MECHANIC DRUM	
PERFORMANCE	UNLOADED - TRAVELING SPEED (km/h)	22	22	22	22
	LOADED - TRAVELING SPEED (km/h)	18	18	18	18
	UNLOADED - MAX. TRACTION FORCE (daN)	1850	2250	1850	2250
	LOADED - MAX. TRACTION FORCE (daN)	1150	1550	1050	1450
	GRADEABILITY UNLOADED / LOADED (%)	30 / 25	35 / 30	30 / 25	35 / 30
ENGINE	BRAND / MODEL	PERKINS / 404D15 - (OP; KUBOTA / V1505T)			
	CYLINDERS / DISPLACEMENT (l/cm³)	4 / 1508 - (4 / 1498)			
	TRUE POWER (HP/KW)	30,50 / 26,50 - (44,20 / 33,20)			
	TAXABLE POWER (HP/KW)	11,24 / 8,27 - (11,20 / 8,24)			
	RATING (rpm)	3000 - (3000)			
MISCELLANEOUS	FORWARD/REVERSE SHIFT	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
	TRANSMISSION TYPE	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC
	TRANSMISSION PRESSURE (bar)	350	350	350	350
	AUX. PRESSURE / FLOW (bar/lpm)	200 / 42	200 / 42	200 / 42	200 / 42
	NOISE LEVEL (dB)	< 104	< 104	< 104	< 104

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MEDIUM RANGE H25DA / H30DA / H25DSI / H30DSI

STANDARD FEATURES

- 5 function hydraulic joystick (lift, tilt, sideshift, 4th valve, inching)
- Full road lights
- Hinged wing mirrors
- 1200 mm forks
- **ZF** differential axles with negative hydraulic parking brake and oil bathed disc service brake. DA series
- **ZF Limited Slip** automatic differential locking
- Automatic cold starter (mechanical). DA series
- **Rexroth** automotive hydrostatic transmission with variable displacement motor and pump. DA series
- **Parker** double gear pump for steering and mast
- Cooling system for the hydrostatic transmission is totally independent from the engine
- Double hydraulic oil tank for services and transmission, with suction filters
- **Sauer Danfoss** power steering
- Integrated side-shift

ERGONOMICS

- Fully adjustable steering column, both height and depth
- Standard asymmetric seat with 3 adjustments

SAFETY

- Emergency stop
- Vertical exhaust vent with double muffler
- Soundproofed cabin isolation
- Maximum chassis robustness and resistance

SIMPLICITY

- No electronics
- Machine components easily accessible, allowing a quick maintenance
- Components of well-known worldwide prestige
- No plastic elements in chassis

VERSATILITY

- Three-stage masts with 4 cylinders and integrated sideshifter for maximum visibility
- Wide range of attachments available
- Large variety of masts

DSI VERSION

- Poclain wheel motor
- Linde hydrostatic pump

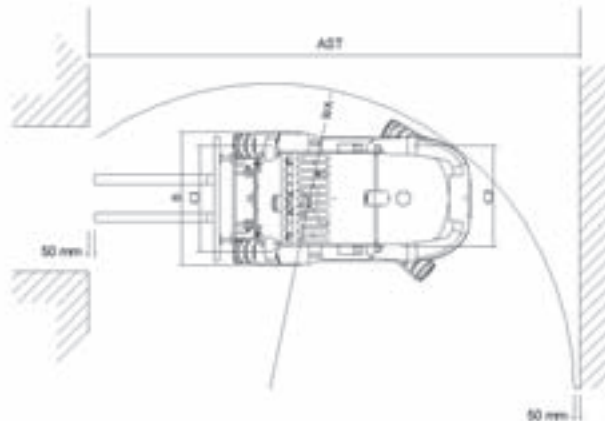
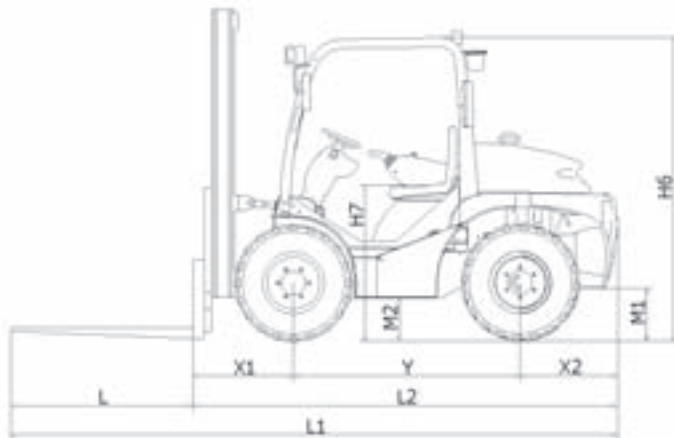
100% ROUGH TERRAIN



All terrain machines from 2.5 tons are powerful and safe. They speak for themselves as our most sold forklift trucks.

		H25DA		H30DA		H25DSI		H30DSI	
CHARACTERISTICS	CAPACITY (kg)	2500		3000		2500		3000	
	LOAD CENTER (mm)	500		500		500		500	
	ENGINE FUEL TYPE	DIESEL		DIESEL		DIESEL		DIESEL	
	FRONT/REAR WHEELS TYPE	Pneumatic		Pneumatic		Pneumatic		Pneumatic	
	DRIVING WHEELS	2WD	4WD	2WD	4WD	2WD	4WD	2WD	4WD
MAST	FORKS CARRIAGE	FEM III B		FEM III B		FEM III B		FEM III B	
	FORKS LENGTH (mm)	1200		1200		1200		1200	
	FORWARD / BACKWARD TILT (°)	10 / 12		10 / 12		10 / 12		10 / 12	
	LIFTING LOAD MAX. SPEED (m/s)	0,4		0,4		0,4		0,4	
	LOWERING LOAD MAX. SPEED (m/s)	0,5		0,5		0,5		0,5	
DIMENSIONS	TOTAL LENGTH (mm) L1	4275		4375		4160		4260	
	LENGTH TO FORKS CARRIAGE (mm) L2	3075		3175		2960		3060	
	DISTANCE FROM LOAD TO FRONT AXLE (mm) X1	650		650		600		600	
	DISTANCE BETWEEN AXLES (mm) Y	1875		1875		1800		1800	
	REAR OVERHANG (mm) X2	550		650		560		660	
	TOTAL HEIGHT WITHOUT MAST (mm) H6	2185		2185		1985		1985	
	HEIGHT OF DRIVER'S SEAT (mm) H7	1215		1215		1015		1015	
	GROUND CLEARANCE (mm) M1/M2	330 / 300		330 / 300		300 / 265		300 / 265	
	TOTAL WIDTH (mm) B	1575		1575		1400		1400	
	FRONT / REAR TREAD (mm) C1/C2	1270 / 1220	1270 / 1200	1270 / 1220	1270 / 1200	1075 / 1215	1075 / 1165	1075 / 1215	1075 / 1165
	TURNING RADIUS Wa	3885	4300	3885	4300	2600	3800	2600	3800
aisle width (mm) AST	5835	6250	5835	6250	4500	5700	4500	5700	
WEIGHTS	TOTAL UNLOADED WEIGHT (kg)	4750		4990		-		-	
	LOADED-AXLES LOAD FRONT / REAR (kg)	6450 / 800		7250 / 740		-		-	
	UNLOADED-AXLES LOAD FRONT / REAR (kg)	2510 / 2240		2400 / 2590		-		-	
	MAXIMUM PERMISSIBLE WEIGHT (kg)	7250		7990		-		-	
WHEELS TYPE	FRONT WHEELS MTP	12 - 16.5 / 14PR	12 - 16.5 / 14PR	12 - 16.5 / 14PR	12 - 16.5 / 14PR	12 - 16.5 / 14PR	12 - 16.5 / 14PR	12 - 16.5 / 14PR	12 - 16.5 / 14PR
	GREEN	-	-	-	-	-	-	-	-
	AGRIC.	11.5/80-15.3 / 14PR	11.5/80-15.3 / 14PR	11.5/80-15.3 / 14PR	11.5/80-15.3 / 14PR	11.5/80-15.3 / 14PR	11.5/80-15.3 / 14PR	11.5/80-15.3 / 14PR	11.5/80-15.3 / 14PR
	REAR WHEELS MTP	10 - 16.5 / 12PR	12 - 16.5 / 14PR	10 - 16.5 / 12PR	12 - 16.5 / 14PR	7.00 x 12	7.00 x 12	7.00 x 12	7.00 x 12
	GREEN	-	-	-	-	-	-	-	-
	AGRIC.	10.0/75-15.3 / 10PR	11.5/80-15.3 / 14PR	10.0/75-15.3 / 10PR	11.5/80-15.3 / 14PR	-	-	-	-
SERVICE BRAKE TYPE	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	
PARKING BRAKE TYPE	MECHANIC DISC	NEGATIVE MULTIDISC	MECHANIC DISC	NEGATIVE MULTIDISC	MECHANIC DRUM	MECHANIC DRUM	MECHANIC DRUM	MECHANIC DRUM	
PERFORMANCE	UNLOADED - TRAVELING SPEED (km/h)	24	24	24	24	21	23	21	23
	LOADED - TRAVELING SPEED (km/h)	20	20	20	20	18	20	18	20
	UNLOADED - MAX. TRACTION FORCE (daN)	2250	2450	2250	2450	-	-	-	-
	LOADED - MAX. TRACTION FORCE (daN)	1650	1850	1550	1750	-	-	-	-
	GRADEABILITY UNLOADED / LOADED (%)	30 / 25	35 / 30	30 / 25	35 / 30	30 / 25	35 / 30	30 / 25	35 / 30
ENGINE	BRAND / MODEL	2WD: PERKINS / 404D22 (OP: KUBOTA / V2403M) - 4WD: PERKINS / 404D22T (OP: KUBOTA / V2403MT)				2WD: PERKINS / 404D22 - 4WD: PERKINS / 404D22T			
	CYLINDERS / DISPLACEMENT (n°/cm³)	2WD: 4 / 2216 (OP: 4 / 2434) - 4WD: 4 / 2216 (OP: 4 / 2434)				2WD: 4 / 2216 - 4WD: 4 / 2216			
	TRUE POWER (HP/KW)	2WD: 51,00 / 38,00 (OP: 48,90 / 36,50) - 4WD: 61,00 / 45,50 (OP: 59,00 / 44,00)				2WD: 51,00 / 38,00 - 4WD: 61,00 / 45,50			
	TAXABLE POWER (HP/KW)	2WD: 14,16 / 10,42 (OP: 14,99 / 11,02) - 4WD: 14,16 / 10,42 (OP: 14,99 / 11,02)				2WD: 14,16 / 10,42 - 4WD: 14,16 / 10,42			
	RATING (rpm)	2WD: 3000 (OP: 2700) - 4WD: 3000 (OP: 2700)				2WD: 3000 - 4WD: 3000			
MISCELLANEOUS	FORWARD/REVERSE SHIFT	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
	TRANSMISSION TYPE	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC
	TRANSMISSION PRESSURE (bar)	420	420	420	420	420	420	420	420
	AUX. PRESSURE / FLOW (bar/lpm)	200 / 78	200 / 78	200 / 78	200 / 78	200 / 78	200 / 78	200 / 78	200 / 78
	NOISE LEVEL (dB)	< 104	< 104	< 104	< 104	< 104	< 104	< 104	< 104

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LATEST INNOVATION H25GA / H30GA

STANDARD FEATURES

- 5 function hydraulic joystick (lift, tilt, sideshift, 4th valve, inching)
- Full road lights
- Hinged wing mirrors
- 1200 mm forks
- **ZF** differential axles with mechanical parking brake and oil-bathed disc service brake
- **ZF Limited Slip** automatic differential locking
- Automatic cold starter (mechanical)
- **Rexroth** automotive hydrostatic transmission with variable displacement motor and pump
- **Parker** double gear pump for steering and mast
- Cooling system for the hydrostatic transmission is totally independent from the engine
- Double hydraulic oil tank for services and transmission, with suction filters
- **Sauer Danfoss** power steering
- Integrated side-shift

ERGONOMICS

- Fully adjustable steering column, both height and depth
- Standard asymmetric seat with 3 adjustments

SAFETY

- Emergency stop
- Vertical exhaust vent with double muffler
- Soundproofed cabin isolation
- Maximum chassis robustness and resistance

SIMPLICITY

- No electronics
- Machine components easily accessible, allowing a quick maintenance
- Components of well-known worldwide prestige
- No plastic elements in chassis

VERSATILITY

- Three-stage masts with 4 cylinders and integrated sideshifter for maximum visibility
- Wide range of attachments available
- Large variety of masts

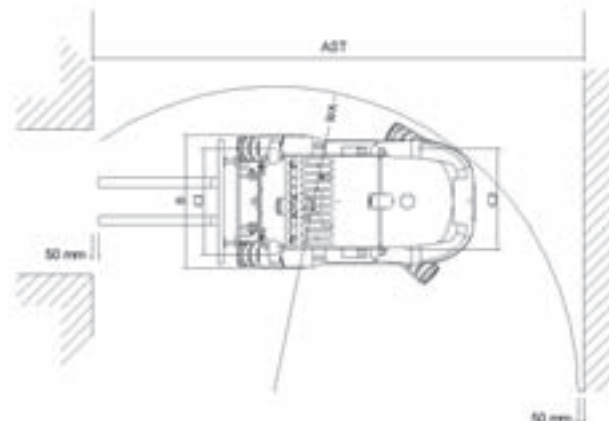
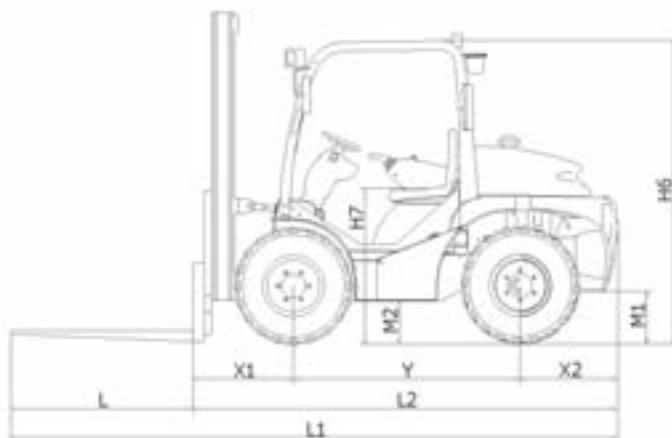
100% ROUGH TERRAIN



- Low noise
- Powerful
- No contamination
- A good solution For your warehouse

		H25GA		H30GA	
CHARACTERISTICS	CAPACITY (kg)	2500		3000	
	LOAD CENTER (mm)	500		500	
	ENGINE FUEL TYPE	LPG		LPG	
	FRONT/REAR WHEELS TYPE	Pneumatic		Pneumatic	
	DRIVING WHEELS	2WD	4WD	2WD	4WD
MAST	FORKS CARRIAGE	FEM III B		FEM III B	
	FORKS LENGTH (mm)	1200		1200	
	FORWARD / BACKWARD TILT (°)	10 / 12		10 / 12	
	LIFTING LOAD MAX. SPEED (m/s)	0,4		0,4	
	LOWERING LOAD MAX. SPEED (m/s)	0,5		0,5	
DIMENSIONS	TOTAL LENGTH (mm) L1	4275		4375	
	LENGTH TO FORKS CARRIAGE (mm) L2	3075		3175	
	DISTANCE FROM LOAD TO FRONT AXLE (mm) X1	650		650	
	DISTANCE BETWEEN AXLES (mm) Y	1875		1875	
	REAR OVERHANG (mm) X2	550		650	
	TOTAL HEIGHT WITHOUT MAST (mm) H6	2185		2185	
	HEIGHT OF DRIVER'S SEAT (mm) H7	1215		1215	
	GROUND CLEARANCE (mm) M1/M2	330 / 300		330 / 300	
	TOTAL WIDTH (mm) B	1575		1575	
	FRONT / REAR TREAD (mm) C1/C2	1270 / 1220	1270 / 1200	1270 / 1220	1270 / 1200
	TURNING RADIUS Wa	3885	4300	3885	4300
AISLE WIDTH (mm) AST	5835	6250	5835	6250	
WEIGHTS	TOTAL UNLOADED WEIGHT (kg)	4750		4990	
	LOADED-AXLES LOAD FRONT / REAR (kg)	6450 / 800		7250 / 740	
	UNLOADED-AXLES LOAD FRONT / REAR (kg)	2510 / 2240		2400 / 2590	
	MAXIMUM PERMISSIBLE WEIGHT (kg)	7250		7990	
WHEELS TYPE	FRONT WHEELS MTP	12 - 16.5 / 14PR	12 - 16.5 / 14PR	12 - 16.5 / 14PR	12 - 16.5 / 14PR
	GREEN	-	-	-	-
	AGRIC.	11.5 / 80 - 15.3 / 14PR	11.5 / 80 - 15.3 / 14PR	11.5 / 80 - 15.3 / 14PR	11.5 / 80 - 15.3 / 14PR
	REAR WHEELS MTP	10 - 16.5 / 12PR	12 - 16.5 / 14PR	10 - 16.5 / 12PR	12 - 16.5 / 14PR
	GREEN	-	-	-	-
	AGRIC.	10.0 / 75 - 15.3 / 10PR	11.5 / 80 - 15.3 / 14PR	10.0 / 75 - 15.3 / 10PR	11.5 / 80 - 15.3 / 14PR
SERVICE BRAKE TYPE	HYDRAULIC		HYDRAULIC		
PARKING BRAKE TYPE	MECHANIC DISC		MECHANIC DISC		
PERFORMANCE	UNLOADED - TRAVELING SPEED (km/h)	24	24	24	24
	LOADED - TRAVELING SPEED (km/h)	20	20	20	20
	UNLOADED - MAX. TRACTION FORCE (daN)	2250	2450	2250	2450
	LOADED - MAX. TRACTION FORCE (daN)	1650	1850	1550	1750
	GRADEABILITY UNLOADED / LOADED (%)	30 / 25	35 / 30	30 / 25	35 / 30
ENGINE	BRAND / MODEL	GM / 3.0L L4		GM / 3.0L L4	
	CYLINDERS / DISPLACEMENT (n°/cm³)	4 / 2966		4 / 2966	
	TRUE POWER (HP/KW)	74,00 / 55,20		74,00 / 55,20	
	TAXABLE POWER (HP/KW)	16,86 / 12,40		16,86 / 12,40	
	RATING (rpm)	3000		3000	
MISCELLANEOUS	FORWARD/REVERSE SHIFT	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
	TRANSMISSION TYPE	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC
	TRANSMISSION PRESSURE (bar)	420	420	420	420
	AUX. PRESSURE / FLOW (bar/lpm)	200 / 78	200 / 78	200 / 78	200 / 78
	NOISE LEVEL (dB)	< 104	< 104	< 104	< 104

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HIGH RANGE: H35DA / H40DA

STANDARD FEATURES

- 5 function hydraulic joystick (lift, tilt, sideshift, 4th valve, inching)
- Full road lights
- Hinged wing mirrors
- 1200 mm forks
- **Comer** differential axles with mechanical parking brake and oil-bathed disc service brake
- Automatic differential lock
- **Linde** automotive hydrostatic transmission with variable displacement pump
- **Parker** double gear pump for steering and mast
- Cooling system for the hydrostatic transmission is totally independent from the engine
- Double hydraulic oil tank for services and transmission, with suction filters
- **Sauer Danfoss** power steering
- Integrated side-shift

ERGONOMICS

- Fully adjustable steering column, both height and depth
- Standard asymmetric seat with 3 adjustments

SAFETY

- Emergency stop
- Vertical exhaust vent
- Soundproofed cabin isolation
- Maximum chassis robustness and resistance

SIMPLICITY

- No electronics
- Machine components easily accessible, allowing a quick maintenance
- Components of well-known worldwide prestige
- No plastic elements in chassis

VERSATILITY

- Three-stage masts with 4 cylinders and integrated sideshifter for maximum visibility
- Wide range of attachments available
- Large variety of masts

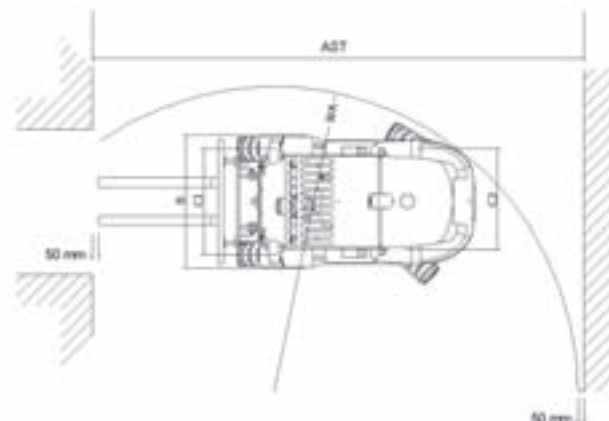
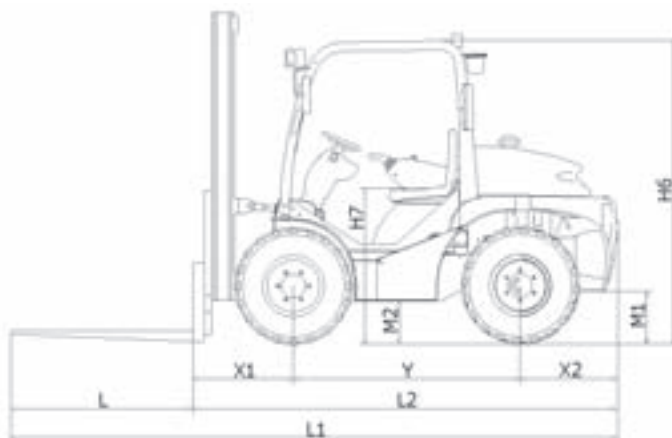
BETTER PERFORMANCE



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

		H35DA		H40DA	
CHARACTERISTICS	CAPACITY (kg)	3500		4000	
	LOAD CENTER (mm)	500		500	
	ENGINE FUEL TYPE	DIESEL		DIESEL	
	FRONT/REAR WHEELS TYPE	Pneumatic		Pneumatic	
	DRIVING WHEELS	2WD	4WD	2WD	4WD
MAST	FORKS CARRIAGE	FEM III B		FEM III B	
	FORKS LENGTH (mm)	1200		1200	
	FORWARD / BACKWARD TILT (°)	10 / 12		10 / 12	
	LIFTING LOAD MAX. SPEED (m/s)	0,4		0,4	
	LOWERING LOAD MAX. SPEED (m/s)	0,5		0,5	
DIMENSIONS	TOTAL LENGTH (mm) L1	4565		4665	
	LENGTH TO FORKS CARRIAGE (mm) L2	3365		3465	
	DISTANCE FROM LOAD TO FRONT AXLE (mm) X1	670		670	
	DISTANCE BETWEEN AXLES (mm) Y	2045		2045	
	REAR OVERHANG (mm) X2	650		750	
	TOTAL HEIGHT WITHOUT MAST (mm) H6	2220		2220	
	HEIGHT OF DRIVER'S SEAT (mm) H7	1240		1240	
	GROUND CLEARANCE (mm) M1/M2	400 / 310		400 / 310	
	TOTAL WIDTH (mm) B	1790		1790	
	FRONT / REAR TREAD (mm) C1/C2	1435 / 1400	1435 / 1435	1435 / 1400	1435 / 1435
	TURNING RADIUS Wa	3300	4630	3300	4630
AISLE WIDTH (mm) AST	5270	6600	5270	6600	
WEIGHTS	TOTAL UNLOADED WEIGHT (kg)	5820		6240	
	LOADED-AXLES LOAD FRONT / REAR (kg)	8540 / 780		9380 / 860	
	UNLOADED-AXLES LOAD FRONT / REAR (kg)	2770 / 3050		3040 / 3200	
	MAXIMUM PERMISSIBLE WEIGHT (kg)	9320		10240	
WHEELS TYPE	FRONT WHEELS MTP	400 / 60 - 15.5 / 14PR	400 / 60 - 15.5 / 14PR	400 / 60 - 15.5 / 14PR	400 / 60 - 15.5 / 14PR
	GREEN	-	-	-	-
	AGRIC.	-	-	-	-
	REAR WHEELS MTP	400 / 60 - 15.5 / 14PR	400 / 60 - 15.5 / 14PR	400 / 60 - 15.5 / 14PR	400 / 60 - 15.5 / 14PR
	GREEN	-	-	-	-
	AGRIC.	-	-	-	-
SERVICE BRAKE TYPE	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	
PARKING BRAKE TYPE	MECHANIC DRUM	MECHANIC DISC	MECHANIC DRUM	MECHANIC DISC	
PERFORMANCE	UNLOADED - TRAVELING SPEED (km/h)	24	24	24	24
	LOADED - TRAVELING SPEED (km/h)	20	20	20	20
	UNLOADED - MAX. TRACTION FORCE (daN)	2500	2650	2500	2650
	LOADED - MAX. TRACTION FORCE (daN)	1900	2050	1800	1950
	GRADEABILITY UNLOADED / LOADED (%)	30 / 25	35 / 30	30 / 25	35 / 30
ENGINE	BRAND / MODEL	2WD: PERKINS / 804D33 - 4WD: PERKINS / 804D33T			
	CYLINDERS / DISPLACEMENT (n°/cm³)	2WD: 4 / 3331 - 4WD: 4 / 3331			
	TRUE POWER (HP/KW)	2WD: 63,00 / 43,00 - 4WD: 83,10 / 62,00			
	TAXABLE POWER (HP/KW)	2WD: 18,09 / 13,30 - 4WD: 18,09 / 13,30			
	RATING (rpm)	2WD: 2500 - 4WD: 2500			
MISCELLANEOUS	FORWARD/REVERSE SHIFT	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
	TRANSMISSION TYPE	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC
	TRANSMISSION PRESSURE (bar)	420	420	420	420
	AUX. PRESSURE / FLOW (bar/lpm)	200 / 65	200 / 65	200 / 65	200 / 65
	NOISE LEVEL (dB)	< 104	< 104	< 104	< 104

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HEAVY DUTY RANGE: H50DA / H60DA / H70DA

STANDARD FEATURES

- 5 function hydraulic joystick (lift, tilt, sideshift, 4th valve, inching)
- Full road lights
- Hinged wing mirrors
- 1500 mm forks
- **Comer/ZF** differential axles with mechanical parking brake and oil-bathed disc service brake
- **Linde** automotive hydrostatic transmission with variable displacement pump
- **Parker** double gear pump for steering and mast
- Cooling system for the hydrostatic transmission that is totally independent from the engine
- Double hydraulic oil tank for services and transmission, with suction filters
- **Sauer Danfoss** power steering
- Integrated side-shift

ERGONOMICS

- Fully adjustable steering column, both height and depth
- Standard **Grammer** brand asymmetric seat with 5 adjustments

SAFETY

- Emergency stop
- Vertical exhaust vent
- Soundproofed cabin isolation
- Maximum chassis robustness and resistance

SIMPLICITY

- No electronics
- Machine components easily accessible, allowing a quick maintenance
- Components of well-known worldwide prestige
- No plastic elements in chassis

VERSATILITY

- Three-stage masts with 4 cylinders and integrated sideshifter for maximum visibility
- Wide range of attachments available
- Large variety of masts

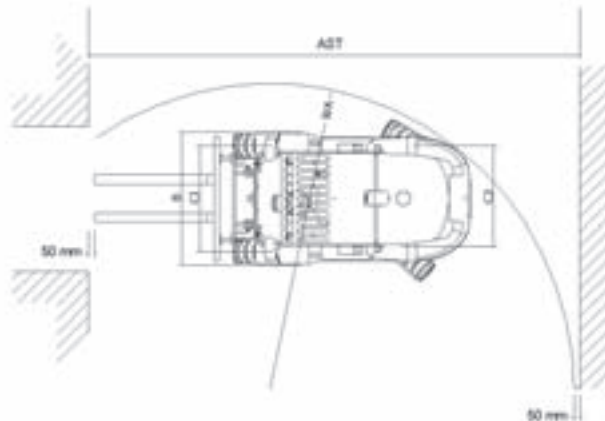
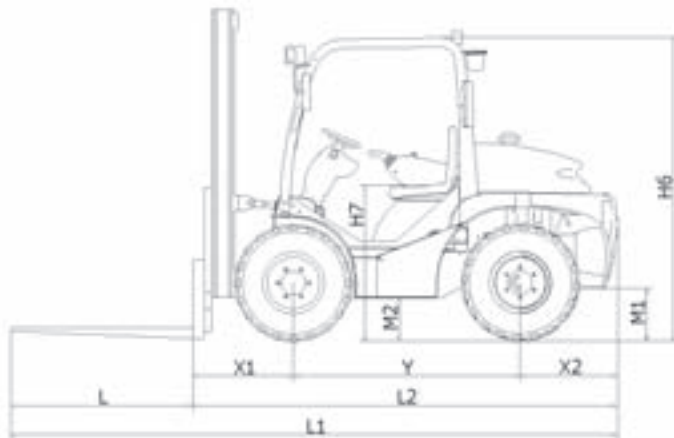
A HEAVY DUTY SOLUTION



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

		H50DA		H60DA		H70DA	
CHARACTERISTICS	CAPACITY (kg)	5000		6000		7000	
	LOAD CENTER (mm)	500		500		500	
	ENGINE FUEL TYPE	DIESEL		DIESEL		DIESEL	
	FRONT/REAR WHEELS TYPE	Pneumatic		Pneumatic		Pneumatic	
	DRIVING WHEELS	2WD	4WD	2WD	4WD	2WD	4WD
MAST	FORKS CARRIAGE	FEM IV B		FEM IV B		FEM IV B	
	FORKS LENGTH (mm)	1500		1500		1500	
	FORWARD / BACKWARD TILT (°)	10 / 12		10 / 12		10 / 12	
	LIFTING LOAD MAX. SPEED (m/s)	0,4		0,4		0,4	
	LOWERING LOAD MAX. SPEED (m/s)	0,5		0,5		0,5	
DIMENSIONS	TOTAL LENGTH (mm) L1	5075		5075		5725	
	LENGTH TO FORKS CARRIAGE (mm) L2	3575		3575		4225	
	DISTANCE FROM LOAD TO FRONT AXLE (mm) X1	700		700		825	
	DISTANCE BETWEEN AXLES (mm) Y	2125		2125		2575	
	REAR OVERHANG (mm) X2	750		750		825	
	TOTAL HEIGHT WITHOUT MAST (mm) H6	2430		2430		2450	
	HEIGHT OF DRIVER'S SEAT (mm) H7	1390		1390		1415	
	GROUND CLEARANCE (mm) M1/M2	300 / 380		300 / 380		320 / 370	
	TOTAL WIDTH (mm) B	1960		1960		2245	
	FRONT / REAR TREAD (mm) C1/C2	1560 / 1560	1560 / 1645	1560 / 1560	1560 / 1645	1830 / 1560	1830 / 1645
	TURNING RADIUS Wa	4610	4930	4610	4930	4860	5350
AISLE WIDTH (mm) AST	6610	6930	6610	6930	6985	7475	
WEIGHTS	TOTAL UNLOADED WEIGHT (kg)	6950		7560		9850	
	LOADED-AXLES LOAD FRONT / REAR (kg)	11050 / 900		12500 / 1060		15650 / 1200	
	UNLOADED-AXLES LOAD FRONT / REAR (kg)	3170 / 3780		3010 / 4550		4650 / 5200	
	MAXIMUM PERMISSIBLE WEIGHT (kg)	11950		13560		16850	
WHEELS TYPE	FRONT WHEELS MTP	16 / 70 x 16.5 / 14PR	16 / 70 x 16.5 / 14PR	16 / 70 x 16.5 / 14PR	16 / 70 x 16.5 / 14PR	16 / 70 x 16.5 / 14PR	16 / 70 x 16.5 / 14PR
	GREEN	-	-	-	-	-	-
	AGRIC.	-	-	-	-	-	-
	REAR WHEELS MTP	400 / 60 - 15.5 / 14PR	400 / 60 - 15.5 / 14PR	400 / 60 - 15.5 / 14PR	400 / 60 - 15.5 / 14PR	400 / 60 - 15.5 / 14PR	400 / 60 - 15.5 / 14PR
	GREEN	-	-	-	-	-	-
	AGRIC.	-	-	-	-	-	-
SERVICE BRAKE TYPE	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	
PARKING BRAKE TYPE	MECHANIC DRUM	MECHANIC DRUM	MECHANIC DRUM	MECHANIC DRUM	MECHANIC DISC	MECHANIC DISC	
PERFORMANCE	UNLOADED - TRAVELING SPEED (km/h)	24	24	24	24	24	24
	LOADED - TRAVELING SPEED (km/h)	20	20	20	20	20	20
	UNLOADED - MAX. TRACTION FORCE (daN)	3450	4300	3450	4300	4100	4500
	LOADED - MAX. TRACTION FORCE (daN)	2750	3600	2550	3400	3000	3400
	GRADEABILITY UNLOADED / LOADED (%)	30 / 25	35 / 30	30 / 25	35 / 30	30 / 25	35 / 30
ENGINE	BRAND / MODEL	PERKINS / 1104D44T		PERKINS / 1104D44T		PERKINS / 1104D44T	
	CYLINDERS / DISPLACEMENT (n°/cm³)	4 / 4400		4 / 4400		4 / 4400	
	TRUE POWER (HP/KW)	84,00 / 62,64		100,00 / 74,50		100,00 / 74,50	
	TAXABLE POWER (HP/KW)	21,37 / 15,72		21,37 / 15,72		21,37 / 15,72	
	RATING (rpm)	2200		2200		2200	
MISCELLANEOUS	FORWARD/REVERSE SHIFT	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
	TRANSMISSION TYPE	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC
	TRANSMISSION PRESSURE (bar)	420	420	420	420	420	420
	AUX. PRESSURE / FLOW (bar/lpm)	200 / 57	200 / 57	200 / 57	200 / 57	200 / 81	200 / 81
	NOISE LEVEL (dB)	< 104	< 104	< 104	< 104	< 104	< 104

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THE FACES OF



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



SEPARATE OIL AND WATER COOLER

Better functionality

MAST EXPLORER forklift trucks are efficient because they are made from the best components available on the market, ensuring better functionality and making 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.



SINGLE BODY VALVEBLOCK WITH 4 SERIAL VALVES (EXCEPT MICRO RANGE)



SIDE WHEEL GUARD

MAST EXPLORER



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 operators and that help improve their work. We are also committed to making improvements that may benefit the operators active and passive safety.

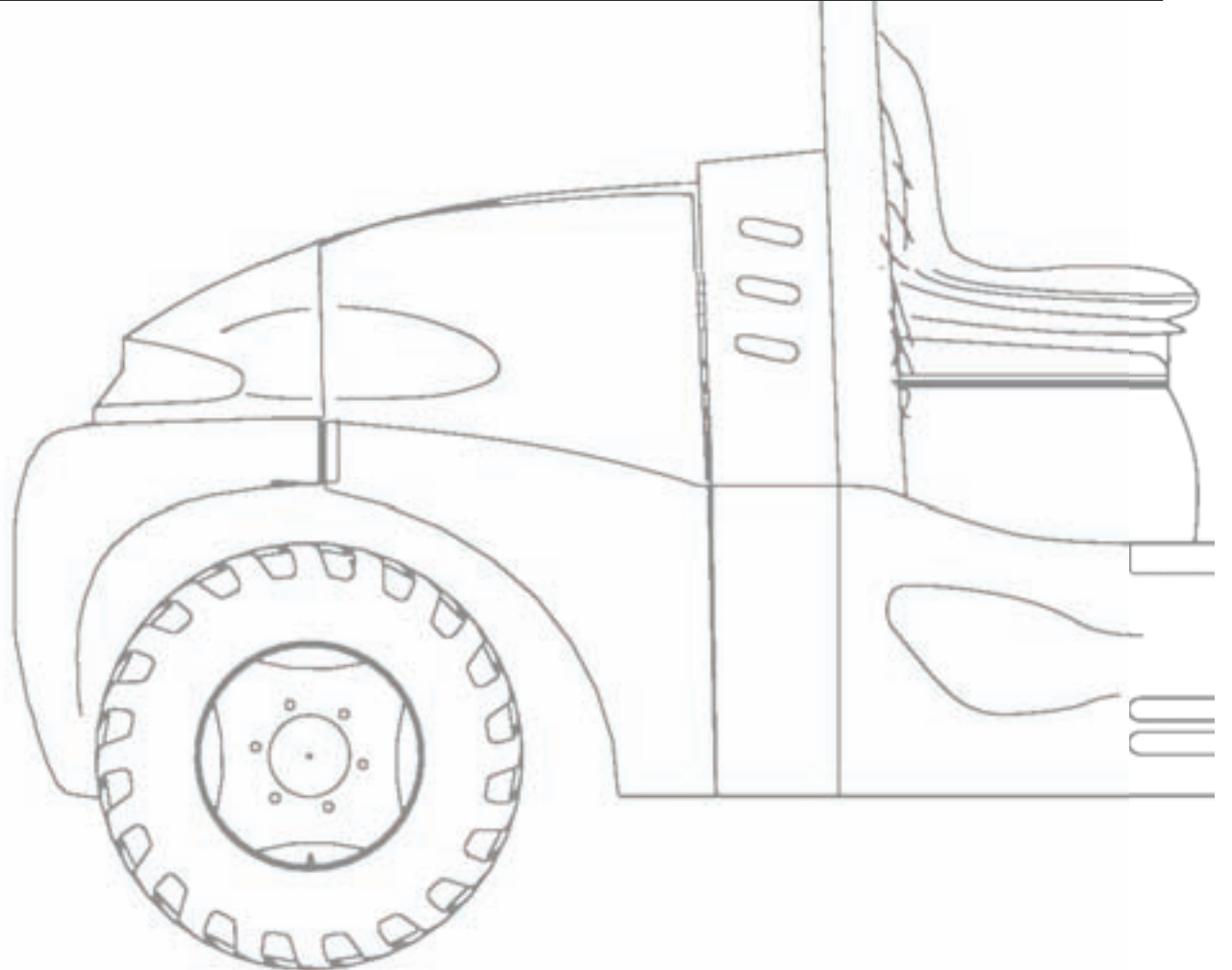
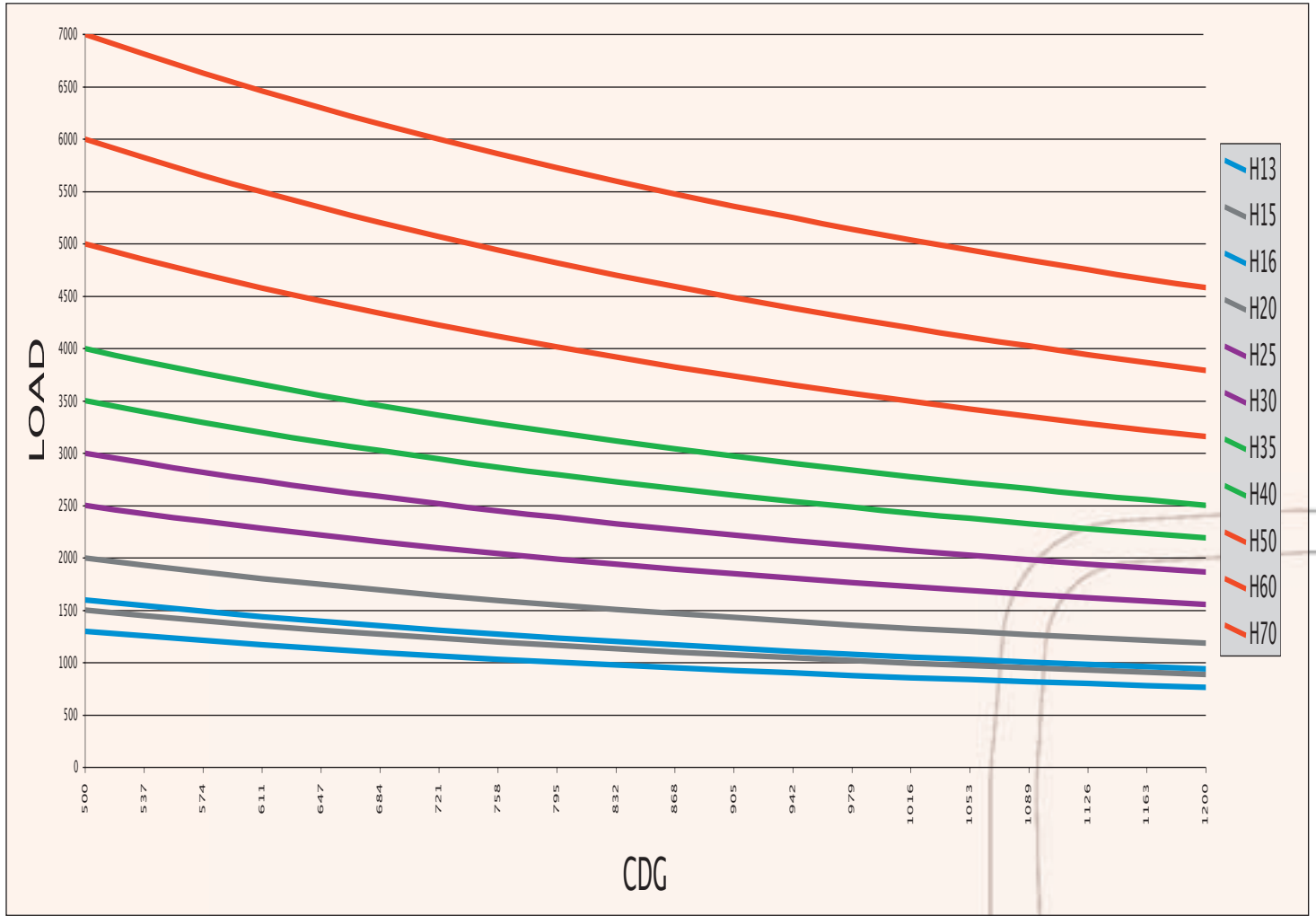
Another area that once represented a handicap we have now successfully overcome is the comfort of our MAST EXPLORER. We now offer a series of details that make our machines even more comfortable as in the case of the steering column, which is completely adjustable in height and depth.



ADJUSTABLE STEERING COLUMN

WHERE IS

STANDARD MAST LOAD DIAGRAM FOR THE WHOLE RANGE



YOUR LIMIT?

AVAILABLE MASTS:

H13 and H16D:

- 2400 mm two-stage mast (1850 mm retracted)
- 3300 mm two-stage mast (2350 mm retracted)
- 3500 mm three-stage mast, free lift (1950 mm retracted)

H15D and H20DL:

- 2700 mm two-stage mast (2090 mm retracted)
- 3300 mm two-stage mast (2350 mm retracted)
- 3700 mm three-stage mast, free lift (1950 mm retracted)
- 4300 mm three-stage mast, free lift (2150 mm retracted)
- 4700 mm three-stage mast, free lift (2300 mm retracted)

H25DA, H30DA, H25DSI and H30DSI:

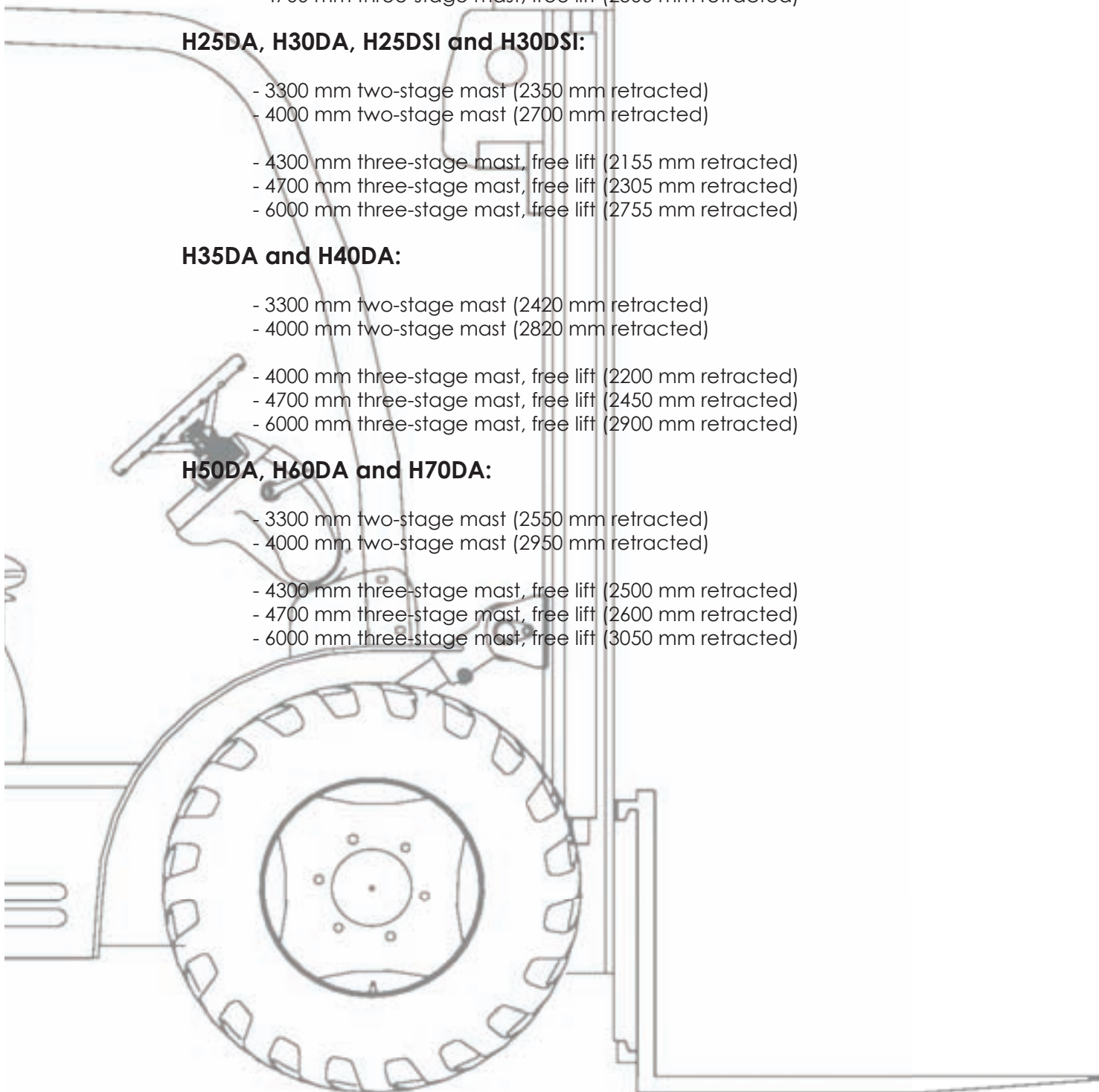
- 3300 mm two-stage mast (2350 mm retracted)
- 4000 mm two-stage mast (2700 mm retracted)
- 4300 mm three-stage mast, free lift (2155 mm retracted)
- 4700 mm three-stage mast, free lift (2305 mm retracted)
- 6000 mm three-stage mast, free lift (2755 mm retracted)

H35DA and H40DA:

- 3300 mm two-stage mast (2420 mm retracted)
- 4000 mm two-stage mast (2820 mm retracted)
- 4000 mm three-stage mast, free lift (2200 mm retracted)
- 4700 mm three-stage mast, free lift (2450 mm retracted)
- 6000 mm three-stage mast, free lift (2900 mm retracted)

H50DA, H60DA and H70DA:

- 3300 mm two-stage mast (2550 mm retracted)
- 4000 mm two-stage mast (2950 mm retracted)
- 4300 mm three-stage mast, free lift (2500 mm retracted)
- 4700 mm three-stage mast, free lift (2600 mm retracted)
- 6000 mm three-stage mast, free lift (3050 mm retracted)



ATTACHMENTS

Semi-closed cabin



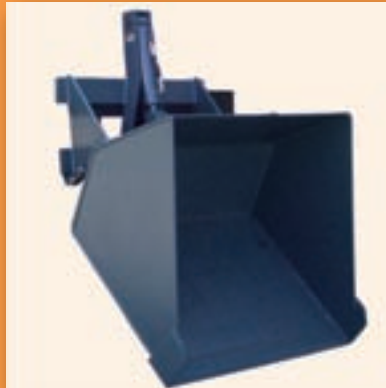
Personalized paint



Full cabin



Standard bucket



Fork-mounted bucket



Vertical load stabilizer



Fork positioner



Front turning clamp attachment



mast[®] **EXPLORER**

MARKET APPLICATIONS

Lumbering and Logging

Sawmills

Wholesale Lumper Yards

Building Supply Yards

Pulp and Paper Industry

Wood Manufacturing

General Building Contractors

Heavy Construction

Prefabricated Building Contractors

Plumbing, Heating & Air Conditioning

Electrical Contractors

Masonry, Stonework & Plastering Contractors

Roofing & Sheet Metal Contractors

Concrete Contractors

Sewage & Drainage Contractors

Pavement Contractors

Pipeline Contractors

Stamping Plants

Manufacturing

Concrete Products Manufacturing

Brick & Tile Manufacturing

Steel Fabricator Companies

Foundries

Food Processing Plants

Mining

Public Utilities

Agriculture

Sod Farms

Orchards

Grain Mills

Nurseries

Landscaping

Feedlot Contractors

Broiler Plants

Fisheries

Petroleum Companies

Trucking

Warehousing

Transportation Companies

Airports

Marinas

Rental Yards

Wrecking Yards

Poultry Farms

Hydraulic Bucket & Blade Users

Military

Chemical Plants

Pallet Companies

Parks and Resorts

Rental Equipment

FACILITIES

