



PRODUCT MANUAL



FORKLIFTS

Rough terrain

4x4 rough terrain and

4x2 double use (semi-industrial)



C 11 M



C 150 H



C 200 / 250 H



C 300 / 350 H



C 400 / 500 H



THE RANGE **Forklifts AUSA**



- AUSA offers a wide range of Compact Rough Terrain Forklifts between 1.300 and 5.000 kg of load capacity.
- Thanks to its compact and optimized design this is a Forklift range able to operate in outdoor spaces in extreme weather and soil conditions between narrow spaces of difficult access.
- Multifunctional forklifts, able to move huge and heavy loads even in unstable and variable or leaning soils.
- AUSA Forklift trucks are well known for its high contribution of value and safeness to the manipulation of loads in fields like construction, industry and agriculture when loading conditions and soils and frequently variables.



THE CONCEPT **AUSA Forklifts**



- The rough terrain forklift is a forklift truck with vertical mast like an industrial forklift truck (IFT) that it has been specifically designed to be able to handle materials with high productivity around outdoor spaces where ground conditions are frequently variable.
- This concept is specially recommended when ground obstacles, like ramps, muddy terrain, or sliding surfaces exist.
- Because of its right fulfilled requirements (i.e. high machine and load-on-forks stability), the RFT is possible overcome any terrain obstacle and at the same time handle loads with extreme safety and highest productivity.
- The great value of the AUSA forklift concept thanks its double applicability in both uses, rough terrain (with EN 1726-1 stability test standard specification) or semi-industrial (with ISO 1074 stability test standard specification), allows with an unique forklift concept being effective exploited in a wide scope of outdoor industrial activities



They are useful in... **AUSA Forklifts**



- The RT forklift is the most useful equipment handling loads in: construction sites (building and public works), out door industrial activities (brick, wood, stone, foundry industries), agriculture (harvest picking), plant and tree nurseries, out door festivals (shelter assembly), and utilities (electric, water, gas net construction).
- The RTF is the perfect partner of the crane tower in building construction sites. The RFT gives support to the crane tower in activities like material storage, approaching pallets to the crane tower, unloading trucks, taking down materials to basements. And thanks to the support given by the RTF, the crane tower can be more focused on, and therefore more productive, lifting and placing materials at great heights of the building site.



NOMENCLATOR AUSA Forklifts

↓	↓	↓	↓	↓
C	200	H		Compact
TYPE of Machine	LOAD CAPACITY	TRANSMISSION	TRACTION	SPECIAL SIZE
OPTIONS				
TYPE of Machine	LOAD CAPACITY	TRANSMISSION	TRACTION	SPECIAL SIZE
Forklift = C	11	Mechanical M Hydrostatic H	x2 (no indicated) / x 4	Standar (No indicated) / Compact
	150			
	200			
	300			
	350			
	400			
	500			

THE RANGE

Transmission	Traction	LOAD CAPACITIES (Kg)							
		1300	1500	2000	2500	3000	3500	4000	5000
Mechanical	4x2	C 11 M							
Hydrostatic	4x2		C 150 H	C 200 H / Compact	C 250 H	C 300 H	C 350 H	C 400 H	C 500 H
	4x4		C 150 H x4	C 200 H x4	C 250 H x4	C 300 H x4	C 350 H x4	C 400 H x4	C 500 H x4



C 11 M - 1.300 kg

Introduction

Technical Specifications

Highlighted features

Performance

Main applications





C 11 M - 1.300 kg

Introduction

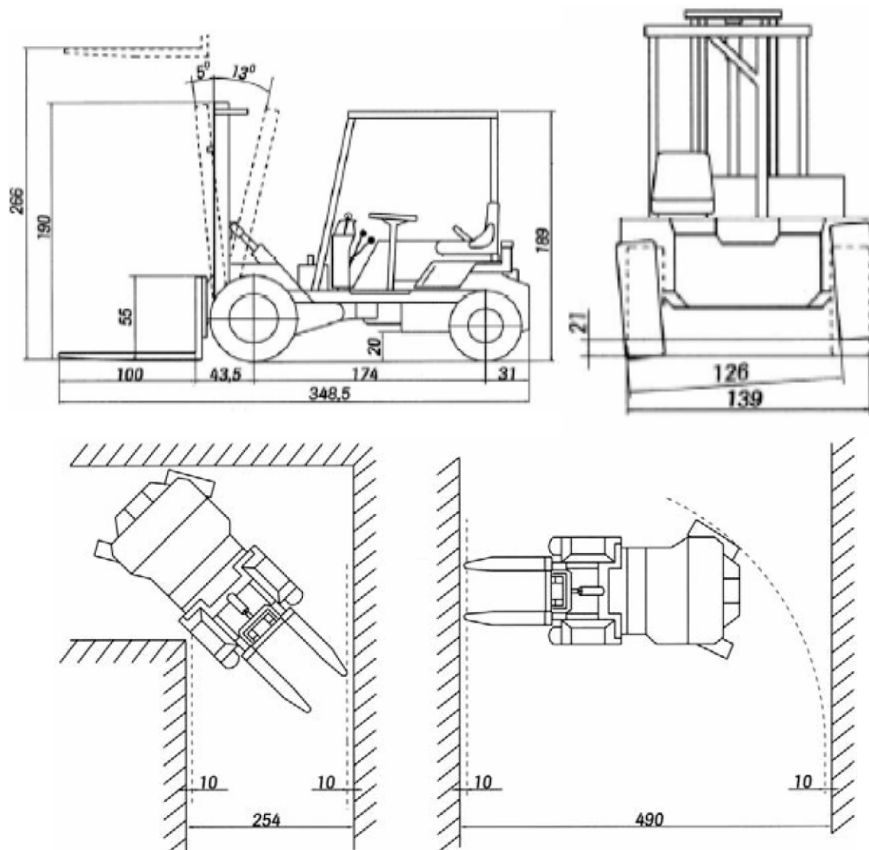
- Forklift of 1.300 kg of a payload capacity, compact, robust, and the lightest in the market in the tough terrain range.
- The unique AUSA Forklift with mechanical transmission of high reliability and performance.
- The unbelievable mechanical simplicity of this model pays great advantages of price and maintenance simplicity, ideal for a seeker of a low cost maintenance forklift.
- Its reduced unladen weight makes it easy to transport over other vehicle , and at the same time, ideal to work over fragile surfaces.



C 11 M - 1.300 kg

Technical Specifications

Total dimensions



		C 11 M
Load capacity (Centre of gravity at 500mm)(Kg)		1300
Engine	Diesel	KUBOTA D902
	Power over DIN 6270 B (KW/CV)	12.5 / 16.7 (2500 min -1)
	Power over DIN 70020 (KW/CV)	16.3 / 18.2
	Nº cylinders	3
	Cooling system	Water
Traction		4x2
Transmission		Mechanical with semi-synchronised gearbox with 4 forward gears and 4 reverse
Maximum speed (Km/h)		20
Gradient negotiable (full load)(%)		37%
Brakes		Hydraulic, drum type on front axle, Service brake. Mechanical on front axle Parking brake.

MAST CHART

Type	Maximum lifting height (mm)	Free lift (mm)	Mast height retracted (mm)	Max. height (mm)	Load (Kg)
Duplex(st.)	2660	150	1980	3310	1300
Duplex	2250	150	1775	2900	1300
Duplex	3300	150	2300	3950	1300



C 11 M - 1.300 kg

Highlighted features

- 16. Reduced cabin height (1,95 m) for an easier performance in parking lots and green houses.
- 15. The machine weight is equally distributed among front and rear axle for higher security when working in different levels of buildings in construction.
- 14. Great visibility lighting equipment (optional).
- 13. Standard controls in the operator's comfort area.
- 12. Large and comfortable cabin area.
- 11. Optional folding forks for an easier transportation of the machine over light trucks.
- 10. All season tires as standard and optional wide all terrain tires for better flotation, traction and load stability over difficult surfaces.
- 9. Good chassis and mast ground clearance.
- 8. Drum brakes of hydraulic operation.
- 7. A 3 cyl. Last generation KUBOTA highly reliable and with low fuel consumption.
- 18. Serial passive and active security systems.
- 17. Optional hydraulic shovel of 300 or 400 lt capacity for the transportation of bulk materials.
- 1. Light and compact rough terrain forklift unique in its range.
- 2. Back and lateral side driving position which optimizes accessibility to the driving post and a very low overall height: (1,89 m)
- 3. Extremely reduced machine dimensions for a maximum accessibility around the site, for working in greenhouses, car parks and plants under construction
- 4. AUSAS's Own design of mechanical sturdy machine (axles and gear box). 40 years of proven reliability.
- 5. 4 gears semi-synchronized mechanical transmission of easy connection.
- 6. Exclusive AUSA transmission with reduction system by chains at the front axle for a rough usage.





C 11 M - 1.300 kg

Performance

CLICK over the image



C 11 M - 1.300 kg

Main applications

Greenhouses, car parks, **warehouses** and plants under construction, over soft ground or sites with low weight resistance.



Optimus for working in agriculture or construction sites.



C 150 H / x4 - 1.500 kg

Introduction

Technical Specifications

Highlighted features

Performance

Applications





C 150 H / X4 1500 Kg

Introduction

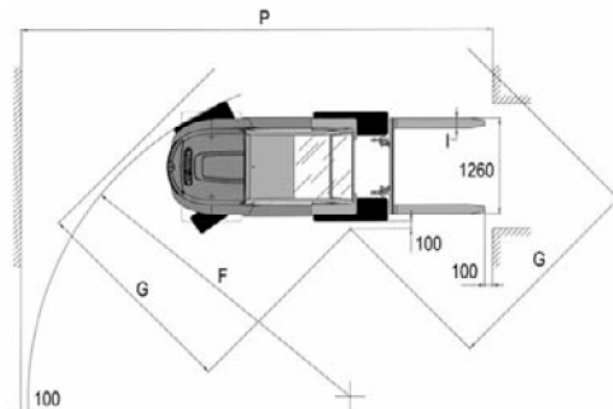
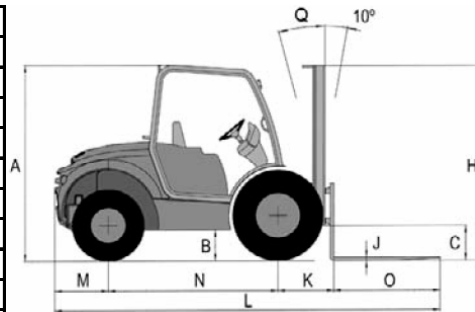
- **The only 1.5 ton Compact rough terrain forklift of the market.**
- Light, compact and extremely reliable Machine concept.
- **Ideal to transport loads around narrow places of irregular ground, of limited width (1,26 m) and height (1,98 m).**
- **Advanced forklift design** it spacious and ergonomic control cabin minimizes tiredness and offers high security to the operator.
- Hydrostatic transmission that gives **progressive performance** (smooth driving mode) as well as **simplicity in its operations**. All features mentioned before allow more safety and **higher productivity** than a hydrodynamic transmission. Hydrostatic drive system does not need wearing parts (gear change mechanism and clutch) and also **reduces maintenance** costs.
- **4x4 wheel drive permanent COMPEN ® system** combined with wheels of wide base, great diameter and higher ground clearance allows better traction and stability when transporting huge loads of materials over muddy and irregular terrains.
- Great and comfortable cabin with **ergonomic and intuitive controls** (joystick) generating **low fatigue and safety operation**.
- **Front folding** cabin that allows **easy access to all parts of periodical maintenance**.
- Superior standard equipment: active and passive security systems, anti vandal protection, lateral displacer device and a joystick that integrates all controls in one.



C 150 H / x4 - 1.500 kg

Technical Specifications

	C 150 H	C 150 H x4
A	1990	2020
B	220	250
C	215	215
D	-	-
E	1305	1350
F	2550	4000
G	2350	2550
I	100	100
J	35	35
K	500	500
L	3645	3645
M	390	390
N	1740	1740
O	1000	1000
P	4250	5700
Q	10°	10°



H (MAST CHART)				
Mast type	Duplex (Std.)	Duplex	Duplex (free lift)	Triplex (free lift)
Maximum lifting height (mm)	2660	3300	2600	4000
Front axle	-	-	-	-
Free lift (mm)	0	0	1360	1360
machine height with mast retracted (mm)	1975	2325	1975	1975
machine height with mast extended (mm)	3285	3925	3270	4670
Load at maximum height (Kg)	1500	1350	1500	1200

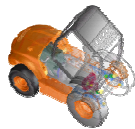
TECHNICAL SPECIFICATIONS		C 150 H / C 150 H x4
Load capacity (Centre of gravity at 500mm)		1500
Engine	Diesel	KUBOTA V 1505 -E2B
	Power acc./DIN 6270 B (KW/CV)	23,5/32 (2600 rpm)
	Power acc./DIN 70020 (KW/CV)	25,6 / 34,8 (2600 rpm)
	N° cylinders	4
	Cooling system	Water
Traction		4x2 / 4x4
Transmission		Hydrostatic with variable flow pump and automatic regulation. Two speed hydrostatic engine. Electrical reverser in joystick. Inching pedal.
Maximum speed (Km/h)		20
Gradient negotiable (with full load) (%)		25%
Brakes		Hydraulic service brake and mechanical parking brake.



C 150 H / x4 - 1.500 kg

Highlighted features

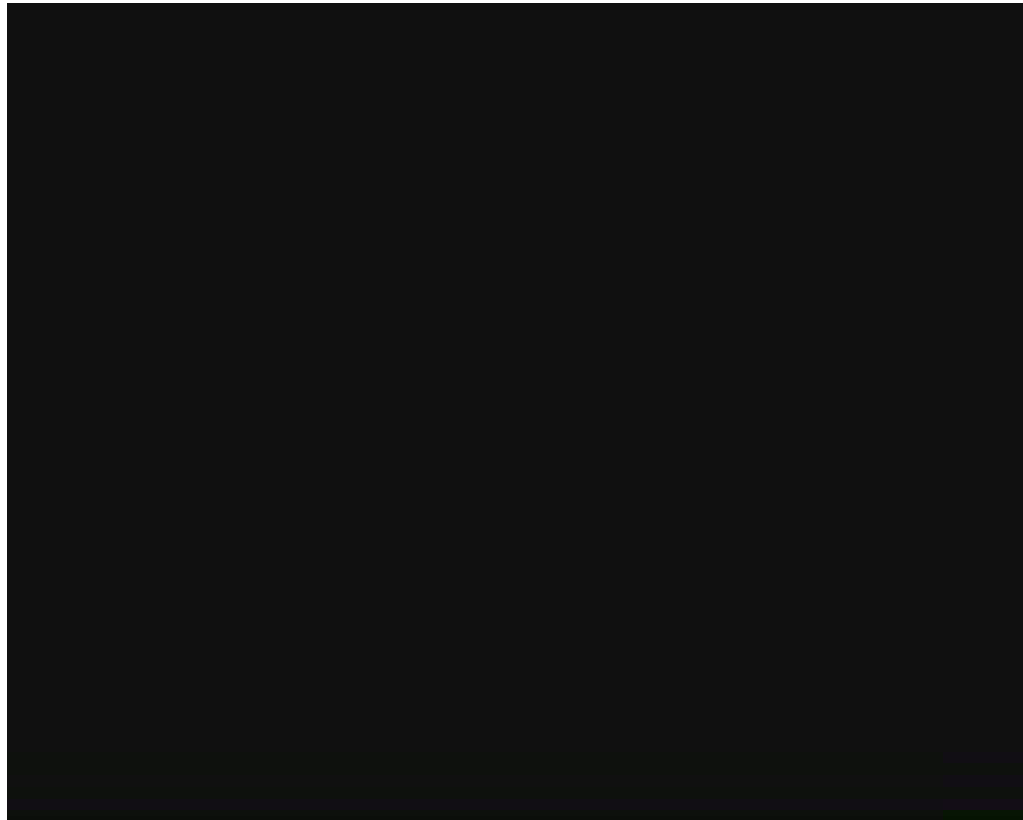
- 17.** Great visibility lighting equipment (optional).
- 16.** Standard Joystick type controls with all the controls integrated in one.
- 15.** Front folding cabin for easier access for the regular maintenance. Optional Heating and Soundproof cabin.
- 14.** Large and comfortable cabin area.
- 13.** Surrounding steel counter balance for bodywork protection.
- 12.** Permanent 4x4 COMPEN® traction System exclusive of AUSA and 4x2 traction of reduced turning radius
- 11.** Wide rough terrain tires that allows flotation, superior traction and stability across the mud.
- 10.** Great ground clearance of mast and chassis.
- 9.** Chassis Integrates fuel and oil tanks to afford greater sturdiness and capacity.
- 20.** Standard active and passive security systems against acts of vandalism or wrong use.
- 19.** Quick disconnect system for easy changing between shovel and forks.
- 18.** Integrated lateral load displacer that maximizes the load capacity (standard)
- 8.** Powerful last generation KUBOTA Engine of 4 cylinders.
- 7.** Hydraulic service brake and mechanical parking brake.
- 6.** Final epicyclical wheel reduction axles. Exclusive of AUSA (Optimizes power to wheels)
- 5.** Rexroth hydrostatic transmission of great reliability smooth and accurate performance.
- 4.** Ultimate design that communicates mechanical sturdiness and compactness of lines.
- 3.** Reduced total dimensions to allow its right performance in extremely narrow places.
- 2.** Great visibility and load stability ideal to manipulate pallet loads.
- 1.** Light and compact rough terrain forklift unique in its range.





C 150 H / X4 1500 Kg

Performance



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C 150 H / X4 1500 Kg

Main applications



Industry and **warehouses**,
agriculture,
greenhouses
and livestock



Underground in
tunnels and
parking areas.



Construction,
Civil works,
Public works,
building
renovations.



C 200/250 H / x4 - 2.000/2.500 kg



Introduction

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C 200/250 H / x4 - 2.000/2.500 kg

Introduction

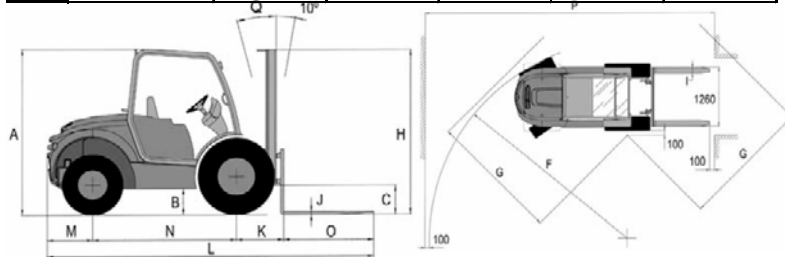
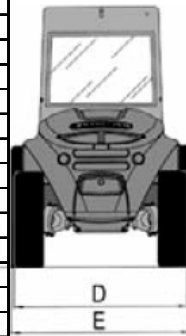
- Forklift of 2000 and 2500 kg of load capacity **powerful, safety, fast and compact** , leader in its range. Designed to afford an **accurate manipulation of loads** over **difficult surfaces and muddy areas**.
- **Advanced and compact design** that integrates all the exterior image generating a **solid and attractive machine aspect**.
- **Robust and functional design** that allows tough and intensive machine usage.
- The Hydrostatic transmission gives **progressive performance** (smooth driving mode) as well as **simplicity in its operations**. All features mentioned before allow more safety and higher productivity than a hydrodynamic transmission. Hydrostatic drive system with no wearing parts (gear change mechanism and clutch) reduce maintenance costs too.
- **4x4 wheel drive permanent COMPEN ® system** combined with wheels of wide base, great diameter and higher ground clearance allows better traction and stability when transporting materials over muddy and irregular terrains.
- Great and comfortable cabin with **ergonomic and intuitive controls** (joystick) generating **low fatigue and safety operation**.
- **Front folding** cabin that allows **easy access to all parts of periodical maintenance**.
- Superior standard equipment: active and passive security systems, anti vandal protection, lateral displacer device and a joystick that integrates all controls in one.



C 200/250 H / x4 - 2.000/2.500 kg

Technical Specifications

		C 200 H Compact	C 200 H	C 200 H x4	C 250 H	C 250 H x4
TOTAL DIMENSIONS (mm)	A	2010	2050	2080	2150	2120
	B	205	245	270	280	220
	C	295	310	310	390	390
	D	1375	1375	1392	1375	1392
	(Narrow axle) E	1375	1460	1460	1510	1510
	(Wide axle) E	-	1782	1782	1810	1810
	F	2800	2800	4400	2800	4400
	G	2600	2600	2900	2600	2900
	I	100	100	100	130	130
	J	40	40	40	45	45
	K	610	610	610	615	615
	L	4240	4240	4240	4245	4245
	M	580	580	580	580	580
	N	1850	1850	1850	1850	1850
	O	1200	1200	1200	1200	1200
	P	4700	4700	6300	4700	6300
	Q	13°	13°	13°	13°	13°



TECHNICAL SPECIFICATIONS		C 200 H COMPACT / C 200 H / C 200 H x4	C 250 H / C 250 H x4
Load capacity (Centre of gravity at 500mm)(Kg)		2000	2500
Engine	Diesel (C 200 H) / Turbo diesel (C 250 H)	ISUZU 4LE2	KUBOTA V2003T
	Power acc./ DIN 6270 B (kW/CV)	34,5 / 46 (2700 rpm)	42,6/57,88 (2700 rpm)
	Power acc./ DIN 70020 (kW/CV)	37,5 / 51 (2700 rpm)	46,3 / 62,9 (2700 rpm)
	N° cylinders	4	4
	Cooling system	Water	Water
Traction		4x2 / 4x2/ 4x4	4x2 / 4x4
Transmission		Hydrostatic with variable flow pump and automatic regulation. Two speed engine. Electric gear inverter. Inching pedal.	Hydrostatic flow pump and automatic regulation. Electric gear inverter. Inching pedal.
Maximum speed (Km/h)			20
Gradient negotiable (with full load) (%)		38% (4x2)/37%(4x4) /42%Compact	38%(4x2)/37%(4x4)
Brakes		Service and parking, oil-immersed, multidisc, hydraulically driven.	Service and parking, oil-immersed, multidisc, hydraulically driven.

MAST CHART

C 200 / 250 H	Type of mast	Maximum lifting height (mm)	Front axle	Free lift (mm)	H Machine height with mast retracted (mm)			Machine height with mast extended (mm)			Load (Kg) at max. height				
					C 200 H Compact	C 200 H	C 250 H	C 200 H Compact	C 200 H	C 250 H	C 200 H Compact (Narrow axle)	C 200 H (Narrow axle)	C 200 H (Wide axle)	C 250 H (Narrow axle)	C 250 H (Wide axle)
	Duplex (Std.)	3300	Narrow / Wide (op.)	120	-	2395	2460	-	4150	4215	-	2000	2000	2500	2500
	Duplex	2600	Narrow / Wide (op.)	120	2025	2045	2110	2430	3450	3515	2000	2000	2000	2500	2500
	Duplex	3600	Narrow / Wide (op.)	120	-	2545	2610	-	4450	4515	-	2000	2000	2300	2400
	Duplex	4500	Wide	120	-	2995	3060	-	5350	5415	-	-	1800	-	2100
	Triplex (free lift)	3700	Narrow / Wide (op.)	1200	2025	2045	2120	4570	4590	4665	2000	1800	2000	2200	2300
	Triplex (free lift)	4300	Wide	1330	-	2245	2320	-	5230	5300	-	-	1800	-	2100
	Triplex (free lift)	5400	Wide	1680	-	2610	2685	-	6295	6370	-	-	1100	-	1100



C 200/250 H / x4 - 2.000/2.500 kg

Highlighted features

- 17.** Great visibility lighting equipment (optional)
- 16.** Standard Joystick type controls with all the controls integrated in one.
- 15.** Front folding cabin for easier access for the regular maintenance. Optional Heating and Soundproof cabin.
- 14.** Large and comfortable cabin area.
- 13.** Surrounding steel counter balance for bodywork protection.
- 12.** Permanent 4x4 COMPEN® traction System exclusive of AUSA and 4x2 traction of reduced turning radius
- 11.** Wide rough terrain tires that allows flotation, superior traction and stability across the mud.
- 18.** Integrated lateral load displacer that maximizes the load capacity (standard)
- 19.** Quick disconnect system for easy changing between shovel and forks. Exclusive of AUSA.
- 20.** Standard active and passive security systems against acts of vandalism or wrong use.
- 1.** Safety fast and compact rough terrain forklift, world wide leader in its range.
- 2.** Great visibility and load stability ideal to manipulate pallet loads.
- 3.** Reduced total dimensions to allow its right performance around extremely narrow places.
- 4.** Optimized design that expresses mechanical sturdiness and compactness of lines.
- 5.** Rexroth hydrostatic transmission of great reliability and accurate performance.
- 6.** Final epicyclic wheel reduction axles. Exclusive of AUSA
- 7.** Service and parking, oil-immersed, multidisc, hydraulically driven (ideal for muddy grounds).
- 8.** Powerful last generation KUBOTA or ISUZU Engines of 4 cylinders and low consumption.
- 9.** Steel Chassis that Integrates fuel and oil tanks to afford greater sturdiness and capacity.
- 10.** Great ground clearance of mast and chassis.





C 200/250 H / x4 - 2.000/2.500 kg

Performance



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C 200/250 H / x4 - 2.000/2.500 kg

Main applications

Industries like the timber industry, foundries, mines, quarries, petrol stations and other sectors



Warehouses



Building, tunnels, parking areas

Agriculture and livestock



C 300/350 H / x4 - 3.000/3.500 kg



Introduction

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Highlighted features

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Applications



C 300/350 H / x4 - 3.000/3.500 kg

Introduction

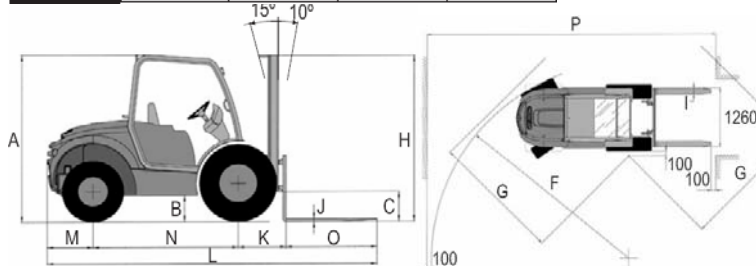
- Optimus forklift features combination **powerful, safety, fast and compact** of 3000 and 3500 kg load capacity, leader in its range. Designed to afford an **accurate manipulation of loads** over **difficult surfaces and muddy areas**.
- **Advanced and compact design** that integrates all the exterior image generating a **solid and attractive machine aspect**.
- **Modular design** that allows various **features combinations** to make up the best machine for its final work.(4x4 rough terrain usage or 4x2 mixed use (industrial and rough terrain) / axle size / mast type)
- The Hydrostatic transmission that gives **progressive performance** (smooth driving mode) as well as **simplicity in its operations**. All features mentioned before insure security and higher productivity than a hydrodynamic transmission. Hydrostatic drive system with no wearing parts (gear change mechanism and clutch) reduce maintenance costs too.
- **4x4 wheel drive permanent COMPEN ® system** combined with wheels of wide base, great diameter and higher ground clearance allows better traction and stability when transporting materials over muddy and irregular terrains.
- Great and comfortable cabin with **ergonomic and intuitive controls** (joystick) generating **low fatigue and safety operation**.
- **Front folding** cabin that allows **easy access to all parts for regular maintenance**.
- Superior standard equipment: active and passive security systems, anti vandal protection, lateral displacer device and a joystick that integrates all controls in one.



C 300/350 H / x4 - 3.000/3.500 kg

Technical Specifications

DIMENSIONS (mm)	C 300 H	C 300 H x4	C 350 H	C 350 Hx4
A	2200	2200	2240	2240
B	250	220	250	220
C	325	325	380	380
D	1460	1460	1460	1460
(narrow axle) E	1510	1510	1690	1690
(wide axle) E	1870	1870	1950	1950
F	3500	4700	3500	4700
G	2850	3005	2850	3005
I	120	120	120	120
J	50	50	50	50
K	750	750	750	750
L	4500	4500	4500	4500
M	600	600	600	600
N	1950	1950	1950	1950
O	1200	1200	1200	1200
P	5600	6805	5600	6805



TECHNICAL SPECIFICATIONS

Load capacity (Centre of gravity at 500 mm) (Kg)		3000		3500	
Lifting height (Standard duplex mast) (mm)		3300			
Engine	Diesel (C300Hx4/350H/350Hx4) Turbodiesel (C300H)	KUBOTA V 2003-T		KUBOTA V 3300-E2B	
	Power acc./DIN 6270 B (KW/HP)	42.6 / 57.88 (2700 rpm)		45.4/61.7 (2400 rpm)	
	Power acc./DIN 70020 (KW/HP)	46.3 / 62.9 (2700 rpm)		48.1/ 65.3 (2400 rpm)	
	N° of cylinders	4			
	Cubic capacity (cc)	1999		3318	
	Cooling system	Water			
Traction		2	4	2	4
Transmission		Hydrostatic with variable flow pump and automatic regulation Electric gear inverter Inching pedal			
Unladen weight (Kg) (with full tanks)		5700		6000	
Gradient negotiable (with full load)		35%		32%	
Speed (Maximum) (Km/h)		20			
Engine starting system		Electric			
Tyres	Front	12.5/80-18	12.5/80-18	16/70-20	16/70-20
	Rear	27x10-12	10,0/75-15,3	27x10-12	10,0/75-15,3
Steering		Hydraulic. Working pressure 140 bar.			
External turning circle (mm)		3500	4700	3500	4700
Tank capacity (l)	Fuel	80			
	Hydraulic fluid	65			
Service brake		Oil-immersed, multidisc, hydraulically driven			
Parking brake		Oil-immersed, multidisc, hydraulically driven			
Hydraulic circuit		18-8 cc. double gear pump. Working pressure 170 bar		18-8 cc. double gear pump. Working pressure 190 bar	
Operating pressures for accessories (bar)		170		190	

Type of mast	Maximum lifting height (mm)	Front axle	Free lift (mm)	H Machine height with mast retracted (mm)				Machine height with mast extended (mm)				Load (Kg) at max. height			
				C 300 H	C 350 H	C300Hx4	C350Hx4	C 300H	C350H	C300Hx4	C350Hx4	C 300H	C350H	C300Hx4	C350Hx4
Duplex (Std.)	3300	Narrow /Wide (op.)	120	2440	2480	2440	2480	4500	4500	4500	4500	3000	3500	3000	3500
Duplex	4000	Narrow /Wide (op.)	120	2790	2830	2790	2830	5200	5200	5200	5200	2250	3000	2250	3000
Triplex (free lift)	3700	Narrow /Wide (op.)	1200	2090	2130	2090	2130	4900	4900	4900	4900	2400	3200	2400	3200
Triplex (free lift)	5400	Wide	1680	2657	2698	2657	2698	6600	6600	6600	6600	1500	1600	1500	1600
Triplex (free lift)	6780	Wide	2280	-	3200	-	3200	-	6870	-	6870	-	600	-	600



C 300/350 H / x4 - 3.000/3.500 kg

Highlighted features

- 19. Quick disconnect system for easy changing between shovel and forks. Exclusive of AUSA.
- 18. Great visibility lighting equipment (optional).
- 17. Standard Joystick type control with all the controls merged in one.
- 16. Robust and silent exhaust system.
- 15. Front folding cabin for easier access for the regular maintenance. Optional Heating and Soundproof cabin.
- 14. Surrounding steel counter balance for bodywork protection.
- 13. Standard passive and active security systems. Against vandalism and wrong use.
- 12. 4x4 Traction with permanent COMPEN System. Exclusive of AUSA or 4x2 Traction of smaller turning radius.
- 11. Wide rough terrain tires that allows flotation, superior traction and stability across the mud.
- 20. Integrated lateral load displacer that maximizes the load capacity (standard)
- 21. Mast with 45° folding option to transport it over truck. (authorized height)
- 1. Rough terrain forklift form 3 to 3,5 tn load capacity. Powerful, safety, fast and compact, leader in its range.
- 2. High operational visibility traction and load stability.
- 3. Reduced total dimensions to work in narrow places with 45° folding option to transport it over truck.
- 4. Optimized design that expresses mechanical sturdiness and compactness of lines.
- 5. Rexroth hydrostatic transmission of great reliability and accurate performance.
- 6. Final epicyclical wheel reduction axles. Exclusive of AUSA
- 7. Service and parking, oil-immersed, multidisc, hydraulically driven (ideal for muddy grounds).
- 8. Powerful last generation KUBOTA Engines 4 cylinders and low fuel consumption.
- 9. Steel Chassis that Integrates fuel and oil tanks to afford great sturdiness and capacity.
- 10. Great ground clearance of mast and chassis.





C 300/350 H / x4 - 3.000/3.500 kg

Performance



CLICK over the image



C 300/350 H / x4 - 3.000/3.500 kg

Main applications

Industries like the timber industry, foundries, mines, quarries, petrol stations and other sectors



Agriculture and livestock



C 400/500 H / x4 - 4.000/5.000 kg



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C 400/500 H / x4 - 4.000/5.000 kg

Introduction

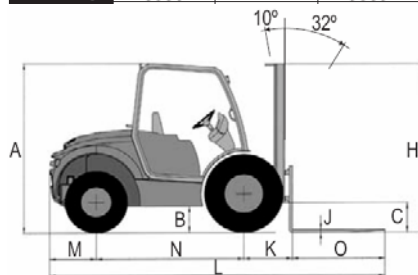
- This range includes all-terrain and 4x4 traction models with great traction as well as semi-industrial and 4x2 traction models for mixed use.
- **High level of compactness and reduced turning circles**, making them highly manoeuvrable to transport large volume loads in reduced spaces.
- These forklifts can handle high-volume loads and work without compromising safety or stability, at heights on poorly prepared and very uneven terrain (unprepared surfaces), thanks to their **wide wheels and balanced weight distribution**.
- **Large-diameter front wheels** that acts as suspension to achieve a high load stability over the forks thus reducing load fall risks and minimizing raw material defect costs.
- State-of-the-art 93 CV low-noise and low-consumption **Kubota turbo diesel** engines.
- Exclusive AUSA **joystick control**, as standard, with integrated functions for a more intuitive control of the vehicle.
- High mast, lifting up to 6.8 m with front tilt of up to 45° to facilitate forklift transportation by lorry; option to fit two **front axle widths to adapt the forklift to the type of use and terrain**, wide axle available for greater stability and narrow axle for semi-industrial mixed use allowing better manoeuvrability in narrow routes.



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Technical Specifications

DIMENSIONS (mm)	C 400 H	C 400 H x4	C 500 H	C 500 Hx4
A	2335	2335	2335	2335
B	280	280	280	280
C	300	300	300	300
D	1640	1700	1640	1700
E	2000	2000	2000	2000
F	3560	4770	3560	4770
G	3050	-	3050	-
I	120	120	130	130
J	50	50	60	60
K	718	718	728	728
L	4568	4568	4623	4623
M	660	600	705	645
N	1990	2050	1990	2050
O	1200	1200	1200	1200
P	5680	-	5680	-

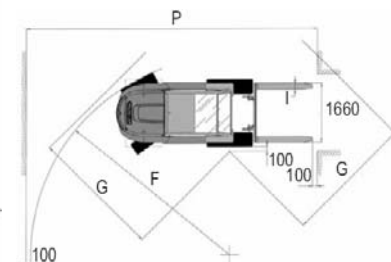
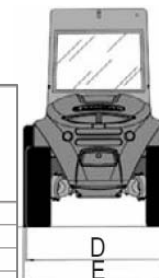


TECHNICAL SPECIFICATIONS

	C 400H	C 400H x4	C 500H	C 500H x4
Load capacity (Kg)	4000		5000	
Centre of gravity (mm)	500		600	
Lifting height (Standard duplex mast) (mm)		3700		
Engine	Turbodiesel KUBOTA V3300T			
Power acc./DIN 6270 B (KW/HP)	63 / 86 (2600 rpm)			
Power acc./DIN 70020 (KW/HP)	69 / 93 (2600 rpm)			
Nº of cylinders	4			
Cubic capacity (cc)	3300			
Cooling system	Water			
Traction	2	4	2	4
Transmission	Hydrostatic with variable flow pump and automatic regulation Electric gear inverter Inching pedal			
Unladen weight (Kg) (with full tanks)	6700	6800	7500	7600
Gradient negotiable (with full load)	35%		30%	
Speed (Maximum) (Km/h)	20			
Engine starting system	Electric			
Tyres	Front 18 R 19,5	18 R 19,5	18 R 19,5	18 R 19,5
	Rear 8.15 - 15	10.0 / 75 - 15.3	8.15 - 15	10.0 / 75 - 15.3
Steering	Hydraulic. Working pressure 150 bar	Hydraulic. Working pressure 170 bar	Hydraulic. Working pressure 150 bar	Hydraulic. Working pressure 170 bar
External turning circle (mm)	3560	4770	3560	4770
Tank capacity (l)	Fuel Hydraulic fluid	120 95		
Service brake	Oil-immersed, multidisc, hydraulically driven			
Parking brake	Oil-immersed, multidisc, hydraulically driven			
Hydraulic circuit	30 - 10.6 cc. double gear pump			
Operating pressures for accessories (bar)	220 +5		230 +5	

Machine height with mast retracted (mm)				Machine height with mast extended (mm)				Load (Kg) at max. height			
C 400 H	C 500 H	C400Hx4	C500Hx4	C 400H	C 500H	C400Hx4	C500Hx4	C 400H	C 500H	C400Hx4	C500Hx4
2750	2750	2750	2750	4585	4585	4585	4585	4000	5000	4000	5000
3150	3150	3150	3150	5385	5385	5385	5385	-	-	-	-
2350	2350	2350	2350	5262	5262	5262	5262	-	-	-	-
3200	3200	3200	3200	7812	7812	7812	7812	-	-	-	-
3800	3800	3800	3800	9612	9612	9612	9612	-	-	-	-

Type of mast	Maximum lifting height (mm)	Free lift (mm)
Duplex (Std.)	3700	100
Duplex	4500	100
Triplex (free lift)	4250	1393
Triplex (free lift)	6800	2243
Triplex (free lift)	8000	2843





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Highlighted features

19. Quick disconnect system for easy changing between shovel and forks. Exclusive of AUSA.
18. Great visibility lighting equipment (optional).
17. Standard Joystick type control with all the controls merged in one.
16. Robust and silent exhaust system.
15. Large and comfortable Front folding cabin for easier access for the regular maintenance. Optional Heating and Soundproof cabin.
14. Surrounding steel counter balance for bodywork protection.
13. Standard passive and active security systems. Against vandalism and wrong use.
12. 4x4 Traction with permanent COMPEN System. Exclusive of AUSA or 4x2 Traction of reduced turning radius.
11. Wide rough terrain tires that allows flotation, superior traction and stability across the mud.
20. Integrated lateral load displacer that maximizes the load capacity (standard)
21. Mast with 45° folding option to transport it over truck. (authorized height)
1. Rough terrain forklift Powerful, safety, fast and compact, leader in its range
2. High operational visibility traction and load stability.
3. Reduced total dimensions to work in narrow places with 45° folding option to transport it over truck.
4. Rexroth hydrostatic transmission of great reliability and accurate performance.
5. Optimized design that expresses mechanical sturdiness and compactness of lines.
6. Final epicyclic wheel reduction axles. Exclusive of AUSA
7. Service and parking, oil-immersed, multidisc, hydraulically driven (ideal for muddy grounds).
8. Steel Chassis that Integrates fuel and oil tanks to afford greater sturdiness and capacity.
9. Powerful last generation KUBOTA Engines 4 cylinders and low fuel consumption.
10. Great ground clearance of mast and chassis.





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Performance



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Main applications

Public work sites, the timber industry, foundries, mines, quarries, petrol stations and other sectors where work is normally carried out in the open air and on steep slopes

