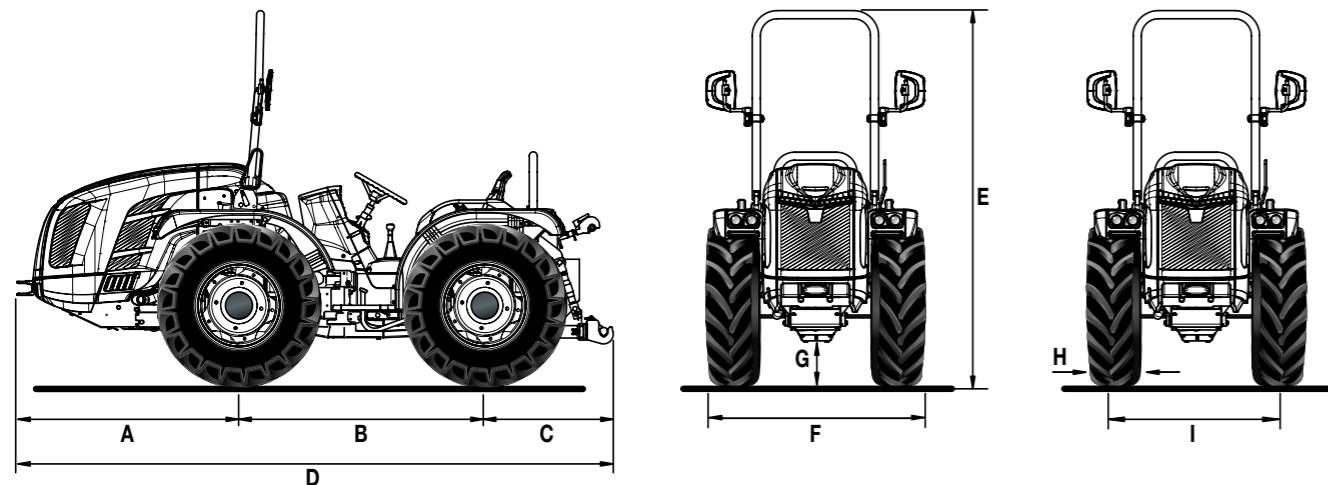


THOR K90 AR

Data sheet



A	B	C	D	E min/max	F min/max	G min/max
1348	1450	927	3725	2254 / 2364	1125 / 1707	195 / 275

* Dimensions in mm

	250/80-18	280/70 R18	280/70R18 Galaxy Garden	320/65 R18	250/85 R20
	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim
H	240	282	282	320	245
I	912 / 1216	1002 / 1216	1002 / 1216	1002 / 1216	880 / 1334
F	1152 / 1456	1284 / 1498	1284 / 1498	1322 / 1536	1125 / 1579

	300/70 R20	300/70R20 Galaxy Garden	340/65 R20	31x15.50-15 XTC	31x15.50-15 STG
	with adjustable rim	with adjustable rim	with adjustable rim	with fixed rim	with fixed rim
H	286	286	343	368	394
I	984 / 1364	984 / 1364	984 / 1364	1006 / 1120	1120
F	1270 / 1650	1270 / 1650	1327 / 1707	1374 / 1488	1514

* Dimensions in mm - min / max

H = Tyre width - I = Wheel track - F = Tractor width

TECHNICAL FEATURES	THOR K90 AR
ENGINE	Kubota V3800-CR-T-EW03
No. of cylinders	4 in-line
Displacement (cc)	3,769
Intake	Turbo
Fuel system	Direct injection "Common rail"
Emissions compliance	Stage V
Balancing	Counter-balance shafts
Power (kW/hp)	54.6 / 75
Rated speed (rpm)	2,400
Max torque (Nm/rpm)	305.4 / 1,500
Engine speed management	Electronically regulated via a console with functions for: increase and decrease engine speed, memorize and recall the set speed, switch off and switch to minimum speed
Cooling	Liquid
Tank capacity (l)	54
CHASSIS	Swinging integral chassis (±15°) OS-FRAME with central articulation
DRIVE	Permanent four-wheel drive
TRANSMISSION	32-speed synchronised gearbox: 16 FWD and 16 REV with synchronised reverser
Transmission clutch	Multidisc in oil bath with hydraulic control
DIFFERENTIAL	Front and rear with simultaneous locking and electro-hydraulic control
AXLES	Front and rear with planetary reduction units
REAR PTO	Independent from the gearbox and synchronised with the forwarding speed. Negative safety hydraulic brake to stop the PTO
PTO clutch	Multidisc in oil bath with electro-hydraulic control
PTO rotation speed (rpm)	Standard: 540/540E - Optional: 540/1000
HYDRAULIC SYSTEM	Dual circuit with independent pumps and heat exchanger
Flow rate to the hydroguide and the electro-hydraulic controls (l/min)	33.1
Flow rate to the lift and the control valves (l/min)	27.7 (optional oversized pump with 49 l/min flow rate)
Maximum hydraulic pressure (bar)	180
REAR CONTROL VALVES	Mechanically controlled, standard free flow oil return
Standard	For lift by rams: 1 single-acting and 2 double-acting (total 6 hydraulic outlets) - For lift with draft and position control: 2 double-acting (total 5 hydraulic outlets)
Optional, replacing the standard ones	For lift by rams: 1 single-acting, 1 double-acting and 1 double-acting with float (total 6 hydraulic outlets) or 2 double-acting and 1 double-acting with float (total 7 hydraulic outlets) or 3 double-acting (total 7 hydraulic outlets). For lift with draft and position control: 1 single-acting and 1 double-acting (total 4 hydraulic outlets) or 1 double-acting and 1 double-acting with float (total 5 hydraulic outlets)
REAR LIFT	By two external rams. Standard: raising/lowering - Optional: position and draft control
3-point implement hitch	Standard: normal couplings cat. 1 and 2. Optional: quick-couplings cat. 1 and 2, L-shaped, arms adjustable in length and hooks adjustable in width
Third point tie rod	Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm
Ball joint lifting capacity (kg)	2300
FRONT LIFT (optional)	Two external rams with front protection and 2 double-acting control valves (total 4 hydraulic outlets)
Third point arms	Rigid with quick-couplings cat. 1
Lifting capacity (kg)	800
DRIVING POSITION	Monodirectional or Reversible with rotating platform and twin pedal assembly
Steering wheel	Height adjustable
Seat	With safety belt and man-on-board sensor. Standard: comfort seat with adjustable suspension according to the operator's weight. Optional: 'Kab' lowered seat
SERVICE BRAKES	Multidisc in oil bath with mechanical control, acting on the rear wheels
Parking brake	Acting on service brakes
STEERING	Hydrostatic steering acting on the central joint. Flow deviator for steering unit in Reversible version
SAFETY	Front homologated roll-bar with gas springs for easy lowering and lifting
DASHBOARD	With TFT colour display showing: hours of operation, engine rpm, forwarding speed, PTO rpm, particulate filter clogging level, instantaneous fuel consumption and current time. Analogue instrumentation complete with engine rpm, engine coolant temperature and fuel level indicator. Warning lights and acoustic alarm
ELECTRIC SYSTEM	Battery 100 Ah / 12 V - Alternator 95 A
Standard equipment	Rear 7-pin and 3-pin sockets
TYRES	250/80-18 * 280/70R18 * 280/70R18 Galaxy Garden * 320/65R18 * 250/85R20 * 300/70R20 * 300/70R20 Galaxy Garden * 340/65R20 * 31x15.50-15 XTC or STG
TOW HOOKS (standard)	Rear CUNA and front
Optional	Rear tow hook: EC approved or EC with Slider frame or CUNA with Slider frame or EC tow bar with Slider frame
RUNNING ORDER WEIGHT with roll-bar (kg)	2150
ADDITIONAL OPTIONS	Front bumper, beacon lamp, front weights 150 kg and wheel weights 50 kg each