

HATTAT A90/A100/A110

MODEL	A90 4WD	A100 4WD	A110 4WD
<b>Engine</b>	<b>Perkins</b>	<b>Perkins</b>	<b>Perkins</b>
Emission Level	Stage3A	Stage3A	Stage3A
Engine Serial Code	1104D-44T	1104D-44TA	1104D-44TA
Max Power kW / BG / rpm (ISO 14396)	60,5 / 82 / 2200	68 / 92 / 2200	74,9 / 102 / 2200
Max Torque Nm / rpm	352 / 1400	393 / 1400	416 / 1400
No. of cylinders / Capacity (cm <sup>3</sup> )	4 / 4400	4 / 4400	4 / 4400
Cylinder Diameter x Stroke (mm)	105 x 127	105 x 127	105 x 127
Type of Air Filter	Dry Type, with Warning Indicator		
Aspiration	Turbocharger and Intercooler	Turbocharger and Intercooler	Turbocharger and Intercooler
<b>Differential Lock &amp; Powered Front Axle</b>			
Differential Lock	Mechanical in 16+8 / Electro-Hydraulic in 12+12		
4WD Engagement	Mechanical in 16+8 / Electro-Hydraulic in 12+12		
<b>PTO</b>			
Type	Independent	Independent	Independent
PTO Speed, rpm (engine speed)	540 (1890)	540 (1890)	540 (1890)
PTO Speed, rpm (engine speed)	540E (1594)	540E (1594)	540E (1594)
PTO Speed, rpm (engine speed) *	1000 (2074)	1000 (2074)	1000 (2074)
Reversible PTO	Optional	Optional	Optional
<b>Brake</b>			
Brake System	Hydraulically Operated Multi Disc Brakes		
Four Wheel Braking	Four Wheel Braking Automatically Operated with 4WD Engagement Function exclusive to 12+12R Transmission in 4WD Models		
Parking Brake	Mechanical with hand lever operated		
<b>Transmission</b>			
Type of Gearbox	Synchro 16+8R / 12+12R Synchro Shuttle Transmission		
Gearbox Clutch	Dry Type Double Disc Clutch with Pedal Controlled		
<b>Auxiliary Hydraulics &amp; Rear Hydraulic Lift</b>			
Max Pump Capacity, Pump Pressure, (l/min) / bar	58 / 195	58 / 195	58 / 195
Functions	Position, Draft Control, Auto-Lift		
Lift Brand / Category	Hema / Category 2	Hema / Category 2	Hema / Category 2
Auxiliary Hydraulic Output / Valves	4/2 - 6/3	4/2 - 6/3	4/2 - 6/3
Max. Lifting Force (kg)	3700	3700	3700
<b>Capacities</b>			
Fuel Tank (lt)	115	115	115
Engine Sump (lt)	7	7	7
Coolant (lt)	15,5	15,5	15,5
Transmission (lt)	29	29	29
Hydraulic System (lt)	31	31	31
Front Axle Housing (lt)	6	6	6
Hubs (lt)	2 x 0,8	2 x 0,8	2 x 0,8
Brake Reservoir (lt)	0,3	0,3	0,3
<b>Dimensions and Weights (Models with Cab.)</b>			
Weight (without ballast weights) (kg)	3640	3640	3640
Front Ballast Weight (kg)	8 x 40	10 x 40	10 x 40
Rear Ballast Weight (kg)	2 x 70	2 x 80	2 x 80
Total Length (mm)	4340	4340	4340
Wheelbase (mm)	2300	2300	2300
Overall Width (mm) **	2165	2165	2165
Overall Height (mm) **	2907	2907	2907
Front Wheel Track Settings (mm)	1515 / 1730	1515 / 1730	1515 / 1730
Rear Wheel Track Settings (mm)	1508 / 1708	1508 / 1708	1508 / 1708
Ground Clearance (mm) **	500	500	500
<b>Tires (4WD)</b>			
Option 1 (Front)	340/85R24	340/85R24	340/85R24
Option 1 (Rear)	420/85R34	420/85R34	420/85R34
Option 2 (Front)	320/85R28	320/85R28	380/70R24
Option 2 (Rear)	380/85R38	380/85R38	480/70R34
Option 3 (Front)	-	-	320/85R28
Option 3 (Rear)	-	-	380/85R38
<b>Driver's Area</b>			
Cabin	HV/HVAC Large Cabin and Auxiliary Seat		

Hattat Tarım Makinaları Sanayi ve Ticaret A.S. Has the right to change the designs and technical information specified in this brochure.

\* Optional alternative of 540E PTO option.

\*\* Overall dimensions are calculated on A90/A100/A110 models according to 16.9R34 tires.