

# SOILS

— THE TOUGHEST —  
**PERFORMER**  
« FOR YOUR FIELD »

**90**



AGILE 4 CYLINDER  
ENGINE

12F+12R SYNCHROMESH  
TRANSMISSION

HEAVY LIFT  
CAPACITY

PARALLELOGRAM  
LOADER OPTION

INTEGRATED SAFETY  
HVAC CABIN (OPTIONAL)



**COST  
EFFICIENT**  
MECHANICAL TRACTORS

MADE OF  
**REAL  
STEEL**

STRATEGIC  
COLLABORATION  
WITH  
**YANMAR**

THE TOUGHEST  
PERFORMER  
« FOR YOUR FIELD »

90

SOLIS



FEATURES	S 90 (12+12)
<b>ENGINE</b>	
Engine Type	4 Cylinder Turbocharged
HP Category	90
Emission	Stage 2 / Stage 3
No. of Cylinders	4
Aspiration	Turbocharged
Cubic Capacity (cc)	4087
Rated RPM	2200/2000
Air Cleaner	Dry Type
Max Torque (Nm)	339@1300   360@1300
Exhaust	Updraft / Downdraft (Optional)
Muffler	Under-hood
<b>TRANSMISSION</b>	
Drive	4WD
Clutch	Double Clutch
Gearbox	12F+12R
Front Axle	4WD
Transmission	Synchromesh Shuttle Transmission
<b>SPEED (FORWARD)</b>	
Maximum Speed (Km/Hr)	35.73 @ 2200
Minimum Speed (Km/Hr)	1.69 @ 2200
<b>BRAKES</b>	
Brakes	Oil Immersed Brake
Type of Actuation	Mechanical
Parking Brake	Mechanical, Hand Operated
<b>DIFFERENTIAL LOCK</b>	
Differential Lock	Standard
<b>PTO</b>	
PTO (RPM)	540/540E & 540/1000 (Optional)
PTO (Actuation)	Mechanical
<b>STEERING</b>	
Steering	Power
<b>ELECTRICAL</b>	
Battery	12V, 110 Ah
Alternator	12V, 36 Amp (90Amp)
Seven Pin Trailer Socket	Output 12V
<b>HYDRAULICS</b>	
3 Point Linkage	CAT-II
Stay Bars	Adjustable
Hydraulic Lifting Capacity (Kg)	2500   3000 (Optional)
Auxiliary Hydraulic Circuit	2DA/2SA
<b>SAFETY SWITCH</b>	
PTO Safety Switch	Standard
Neutral Safety Switch	Standard

FEATURES	S 90 (12+12)
<b>CAPACITY (Ltrs.) (+/-5%)</b>	
Fuel Tank (Ltr.)	65 (ROPS)
<b>TURNING RADIUS</b>	
Without Brakes (m)	4.79
<b>TYRE</b>	
Front	12.4 - 24
Rear	18.4 - 30
<b>DIMENSION &amp; WEIGHT (+/-5%)</b>	
Weight (Kg)	3310
Wheel Base (mm)	2340
Total Length (mm)	4270
Total Width (mm)	1975-2375
Height (mm) Up to ROPS	2730
Min. Ground Clearance (mm)	400
Front Track (mm)	1490-1850
Rear Track (mm)	1505-1905
<b>OTHERS</b>	
Fuel Indicator Gauge	Standard
Front Tow Hook	Standard, Inbuilt in Front Weights
Front Weights with Std. Ballast	Front - 30*2+25*4 Rear - 34*1
Trailer Hitch	Swinging Draw Bar with Rotating Tow Hook
Roll Over Protection	Standard
<b>OPTIONAL FEATURES</b>	
Cabin	Optional
Front Mudguarg	Optional
Platform	ITAT Plus (Flat Floor)
Optional Tyre Size	1) Front Tyre: 12.4x24   Rear Tyre: 18.4x30 (R-2) 2) Front Tyre: 320/85R24   Rear Tyre: 460/85R30 3) Front Tyre: 12.4x24   Rear Tyre: 13.6x38 4) Front Tyre: 9x16   Rear Tyre: 18.4x30 5) Front Tyre: 9x16   Rear Tyre: 13.6x38 6) Front Tyre: 13.6x24   Rear Tyre: 16.9x34 7) Front Tyre: 12.4x24 Rear Tyre: 340 / 85 R38
Front and Rear Weights	Front 25x2 Rear Weights: 2x34 Kg on Each Wheel
Carraro Transmission	Creeper Transmission (in Carraro Transmission)

\*Data and specifications are subject to change without any advance notice due to continuous product improvement and development. All Dimensions are with standard tyres.

Metron

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