

4WD

ITM399

▶ PERFORMANCE

Rated engine power @ 2200 rev/min	110 hp
Max engine torque @ 1200 rev/min	430 Nm
Max P.T.O power	95 hp

▶ ENGINE

Make/Type	Mtorsazan /1006.6
Number of cylinders	6
Injection	Direct
Bore	100 mm (3.937 in)
Stroke	127.0 mm (5.0 in)
Capacity	6.0 litre (365 in3)
Compression Ratio	16.5:1
Starting Aid	Thermostart
Throttle Control	Hand and foot
Cooling	Water
Air cleaner	Dual, dry element, or Oil bath
Air pre-cleaner	element over - bonnet
Fuel filter	Centrifugal
Exhaust	Dual , high capacity Vertical





ELECTRICS

Voltage	12 V , Negative earth
Alternator/Starter	45 Amp/2.8KW
Lights	Headlights , side lights brake lights direction indicators rear work lights
Other	Horn 7 pin trailer socket

CLUTCH

Type	Split torque
Diameter	330 mm (13 in) dia.
Material	Cerametallic

TRACK ADJUSTMENT

Front	1725 - 2110 mm
Rear pressed	1525 - 2235 mm

TRANSMISSION

Synchro	12 forward , 4 revers
	Synchromesh , manual change
Road speeds - at rated engine speed , 16.9/15 - 38	
REAR tyres, mile/h.(Km/h)	
forward	1 1.3(2.1) 7 5.4(8.7)
	2 1.7(2.7) 8 6.8(11.0)
	3 2.0(3.2) 9 8.0(13.0)
	4 2.5(4.0) 10 10.2(16.5)
	5 3.6(5.8) 11 14.8(23.8)
	6 4.6(7.4) 12 18.8(30.2)
reverse	1 2.0(3.2)
	2 2.5(4.0)
	3 8.1(13.0)
	4 10.2(16.5)

POWER TAKE OFF

Operation	Independent Hydraulic and shiftable P.T.O system
IP.T.O speeds	540 rev/min @ 1902 engine rev/min 1000 rev/min @ 2000 engine rev/min
Shaft diameter	35 mm (1.38 in)
No.of splines (rev/min)	6(540) , 21(1000)

HYDRAULICS

Function	Draft control , position control responses control , Intermix 221 - 231 bar
Max pressure	
Max lift capacity at link ends , with links horizontal - with 2 assistor rams	3678 kg

STEERING

Type	Hydrostatic
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INSTRUMENTATION

Gauges	Tachometer/hourmeter , fuel , water temperature
Warning lights	direction indicators electric charge head light main beam Diff lock engaged
specification	Hand brake,low fuel,low engine oil pressure engine air cleaner blockage trnsmission oil filter blockage 4WD engaged

AUXILIARY HIDRAULIC

Pump location	Engine mounted
pump type	Dual element gear
Max,oil flow	35 liter/min 175 bar (2500 lb/in ²)
Combined flow with high flow pump	63.6 litre/min
control	selector valve
spool valves	up to 2 single / doubl

BRAKES

Type	multi disc oil immersed
No. of plates	4 friction 2 steel each side
Diameter	222.4 mm
Operation	Hydraulic Independent
Parking brake	Hand level operated

WHEELS AND TYRES

Front	14.9 - 24	6ply	pressed
Rear	18.4 - 34	8ply	pressed

OPERATOR AREA

Seat	Spring suspension or cushioned
Fenders	Flat top
Tool box	with spanner set

WEIGHTS AND DIMENSIONS

With full fuel , oil and water , tyres/wheels.	
Weight - front	1572 kg
- rear	2014 kg
- total	3586 kg
overall lenth	4330 mm
width - minimum	1973 mm
height - over exhaust	2629 mm
- over steering wheel	1906 mm
wheel base	2640 mm
turning circle	
- less brakes	9409 mm
Ground clearance	
- under drawbar	433 mm
- under front axle	490 mm

CAPACITIES

Fuel tank	126 Liter
Engine sump	14.3 Liter
Cooling system	25.0 Liter
Hydraulic system	47.0 Liter

VARIABLE EQUIPMENT

Trailer Tipping Pipe
Chain stabilizers
Rigid stabilizers
Heavy duty swinging drawbar
Front weights
Wheel weights

OPTIONS

Safety Frame
Sunroof
Cabin