

MASSIVE 390 - 85 HP 4WD



PERFORMANCE

Maximum engine power at 2,200 rpm	85 hp*
Maximum torque at 1,600 rpm	391 Nm
Maximum PTO power at rated 2,200 engine rpm	70 hp**

*Certified to BU AU 141a : (1971)

** Manufacturer's estimate

ENGINE

Type	Perkins / 4.41
No. Of Cylinders	4
Injection	Direct
Bore	101 mm
Stroke	127 mm
Capacity	4.1 l
Compression ratio	15.3 : 1
Aspiration	Natural
Starting Aid	Thermostart
Throttle control	Hand and foot
Cooling	Water
Air Cleaner Type	Oil bath
Air Pre-Cleaner	Over Bonnet, air swirl
Fuel filter	Dual, high capacity with sedimentor
Exhaust	Vertical ; muffler under bonnet
Oil cooler	Water cooled

ELECTRICS

Voltage	12 V, Negative Earth
Battery	110 Ah
Alternator / Starter	45 Amp / 2.8 kW

CLUTCH

Type	Dual
Diameter	305 x 254 mm
Lining material	Cerametallic

TRANSMISSION

Type	Sliding Spur
Number of gears	& forward, 2 reverse
Road speed at 2,200 engine rpm with 18.4 / 15 - 30 rear tyres	
Gear	Speed (kph)
Forward 1 (first low)	2.7
Forward 2	3.7
Forward 3	5.1
Forward 4	6.8
Forward 5 (first high)	10.4
Forward 6	15.2
Forward 7	20.8
Forward 8	27.9
Reverse 1 (low)	3.5
Reverse 2 (high)	14.1

POWER TAKE OFF

Type	Live
Engine speed at 450 PTO rpm	1,789 rpm
Shaft diameter	35 mm
no. Of splines	6

HYDRAULICS

Functions	Draft control, Position control, Response control, Constant pumping
Pump Type	4 piston Ferguson Pump
Maximum Oil Flow	16.7 litres / min
Maximum Pressure	21 Mpa (205 bars) at normal operating temperature
Max. Lift capacity with lower links horizontal Lower Links	2,145 kg With cat. I & II interchangeable balls

FRONT AXLE

Axle Type	Parallel drive
Engagement	Mechanical

STEERING

Type	Hydrostatic
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REAR AXLE AND BRAKES

Axle Type	Straddle with epicyclic reduction
Brake Type	Oil immersed, multi-disc
Braking Area	1,774 sq.cm.
Brakes Actuation	Hydraulic
Parking Brake	Hand lever operated

INSTRUMENTATION

Gauges	Technometer, Hourmeter, Feul level, Battery condition & Water temperature
Warning lights	Direction indicators, Battery charge, Headlight main beam, Low engine oil pressure 4WD indication light

TYRES

Front	12.4 / 11 - 24 (6PR)
Rear	18.4 / 15 - 30 (6PR)

TRACK ADJUSTMENT

Front Axle	1,376 - 1,944 mm
Rear Axle	1,423 - 2,134 mm

WEIGHTS AND DIMENSIONS

(With 12.4 / 11 - 24 Front & 18.4 / 15 - 30 rear wheel with full fuel, oil & water)

Weight

Weight front	1,429 kg
Weight rear	1,582 kg
Weight total	3,011 kg

Dimensions

Wheel base	2,350 mm
Overall Length	3,810 mm
Overall width (min)	1,817 mm

Height

Over exhaust	2,458 mm
Over steering wheel	1,781 mm

Turning Circle

Without brakes	8,518 mm
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Ground Clearance

Under gear box	501 mm
under 4WD front axle	395 mm

CAPACITIES

Fuel tank	108.0 l
Engine pump	7.5 l
Cooling system	15.2 l
Hydraulic system	47.4 l
Power steering reservior	2.0 l
Oil bath air-cleaner	0.7 l
Brake Oil	0.25 l
4WD front axle differential hub each side	5.6 l 1.0 l

STANDARD EQUIPMENT

Weight frame without weights, standard tool box with set of tools, Top link, Top link end cat-i, Cat-I & II balls, Check chains, Spring operator's Manual

OPTIONAL EQUIPMENT

Front end weights, swinging drawber, sun canopy, Pintel hook, Rear Counter weight.

OPERATOR AREA

Seat	Cushioned
Fenders	Flat top
Tool box	Standrad