# **MASSIVE** 399 - 100 HP 4WD



ENHANCING AGRICULTURE, IMPROVING LIVES

DEDECEMANO	
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Maximum engine power at 2,200 rpm	100 hp*
Maximum torque at 1,600 rpm	391 Nm

engine rpm

\*Certified to BU AU 141a: (1971)

Maximum PTO power at rated 2,200

\*\* Manufacturer's estimate

#### **ENGINE**

Perkins / 4.41
4
Direct
101 mm
127 mm
4.1
15.3 : 1
Natural
Thermostart
Hand and foot
Water
Oil bath
Over Bonnet, air swirl
Dual, high capacity
with sedimentor
Vertical; muffler
under bonnet
Water cooled

#### **ELECTRICS**

Voltage		12 V, Negative Earth
Battery		110 Ah
Alternator / Starter	(0	45 Amp / 2.8 kW

#### CLUTCH

Туре	11	Dual
Diameter		305 x 254 mm
Lining material		Cerametallic

## TRANSMISSION

Reverse 2

Туре	Sliding Spur
Number of gears	& forward, 2 reverse
Road speed at 2,200 engine rp	m with

18.4 / 15 - 30 rear tyres

10.47 10 - 00	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

(high)

#### **POWER TAKE OFF**

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

## HYDRAULICS

70 hp\*\*

Functions	Draft control, Position control, Response control,
	Constant pumping
Pump Type	4 piston
Maximum Oil Flow	Ferguson Pump 16.7 litres / min

21 Mpa (205 bars) at normal operating temperature Max. Lift capacity with 2,145 kg lower links horizontal Lower Links With cat. 1 & 11 interchangeable balls

#### FRONT AXLE

**Maximum Pressure** 

Axle Type	Parallel drive
Engagement	Mechanical

# STEERING

Type I	Hydrostatio
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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 leve
	Battery condition a
	Water temeprature

Warning lights Direction indicators, Battery charge, Headlight main beam, Low engine oil pressure 4WD indication light

# TYRES

14.1

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

### TRACK ADJUSTMENT

Front Axle	1,376 - 1,944 mm
TTOTICTION	1,010 1,044 11111

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	1,429 kg
Weight rear	1	1,582 kg
Weight total	111	3,011 kg
Dimensions		

#### Dimensions

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

## Height

Over	exnaust	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 I
Engine pump	7.5 I
Cooling system	15.2 I
Hydraulic system	47.4 I
Power steering reservior	2.0 1
Oil bath air-cleaner	0.7 1
Brake Oil	0.25 I
4WD front axle differential	5.6 1
hub each side	101

## 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 hox	Standrard