

MASSIVE 290 - 82 HP 4WD

PERFORMANCE

Maximum engine power at 2,200 rpm	82 (B.S) HP
Maximum torque at 1600 rpm	209.5 lb-ft
Maximum PTO power at rated engine speed	74.8hp**
PTO power at 540 rpm	65.5 hp
*Certified to BU AU 141a : (1971)	
** Manufacturer's estimate	

ENGINE

Type	Diesel / 4.248A
No. Of Cylinders	4
Injection	Direct
Bore	101 mm
Stroke	127 mm
Capacity	4.07 l
Compression ratio	16 : 1
Aspiration	Natural
Starting Aid	Thermostat
Throttle control	Hand and foot
Cooling	Water
Air Cleaner Type	Oil bath
Air Pre-Cleaner	Over Bonnet
Fuel filter	Dual, high capacity
Exhaust	Vertical muffler under bonnet

ELECTRICS

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

CLUTCH

Type	Dual clutch
Diameter	305 x 254 mm
Lining Material	Cerametallic

TRANSMISSION

Type	Sliding Spur
Number of gears	8 forward, 2 reverse
Road speed at 2,200 engine rpm with 16.9 / 14 - 30 rear tyres	
Gear	Speed (kph)
Forward 1 (first low)	2.3
Forward 2	3.4
Forward 3	4.7
Forward 4	6.3
Forward 5 (first high)	9.3
Forward 6	13.6
Forward 7	18.6
Forward 8	25.0
Reverse 1 (low)	3.2
Reverse 2 (high)	12.7

POWER TAKE OFF

Type	Live
Engine speed at 540 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	Reciprocating Ferguson Pump
Maximum Oil Flow	16.7 l / min
Maximum Pressure	21.2 Mpa at normal operating temperature
Max. Lift capacity with lower links horizontal	2,145 kg
Lower Links	With cat. I & II interchangeable balls

FRONT AXLE

Type	Heavy duty Box Section, Adjustable
------	------------------------------------

STEERING

Type	Hydrostatic
------	-------------

REAR AXLE AND BRAKES

Rear Axle	Straddle with epicyclic reduction unit
Brake Type	oil immersed, multi-disc
Brake pedal	Pendant
Braking Area	1,774 sq. cm.
Brakes Actuation	Hydraulic
Parking Brake	Hand Lever operated

INSTRUMENTATION

Gauges	Technometer, Hourmeter, Fuel level, Battery condition & Water temperature
Warning lights	Direction indicators, Battery charge, Headlight main beam, Low engine oil pressure & Brake lights Auxiliary socket

TYRES

Front	12.4 / 11 - 24 (6PR)
Rear	16.9 / 14 - 30 (6PR)

TRACK ADJUSTMENT

Front	1,271 - 1,881 mm
Rear	1,423 - 2,134 mm

WEIGHTS AND DIMENSIONS

Weight

Gross Weight	2,355 kg
--------------	----------

Dimensions

Wheel base	2,170 mm
Overall Length	3,760 mm
Overall width (min)	1,970 mm

Height

Over exhaust	2,485 mm
Over steering wheel	1,730 mm

Turning Circle

with brakes	7,260 mm
Without brakes	8,095 mm

Ground Clearance

Under gear box	465 mm
----------------	--------

CAPACITIES

Fuel tank	108.0 l
Engine pump	7.5 l
Cooling system	15.2 l
Hydraulic system	36.0 l
Hydrostatic steering reservoir	2.0 l
Oil bath air-cleaner	0.7 l
Brake oil	0.25 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, Stabiliser chains, Spring suspension seat, Flat top fenders & operator's Manual

OPTIONAL EQUIPMENT

Front end weights, swinging drawbar, sun Canopy, pintle hook and 9 hole drawbar