

## Fiat NH-480 (2wd, 55 hp) Specifications

### ENGINE POWER:

At flywheel 55 HP/DIN

### ENGINE:

Fiat 8035.06

4 - Stroke, 3 Cylinders

Direct Injection Diesel,

Max. Power: 2500 rpm 55HP/DIN (41.0 kw)

Max. Torque: 1500 rpm 185NM (18.88 Kgm)

Dry Type Cylinder Liner

Water Cooling

Bore & Stroke: 100 x 115 mm.

Piston Displacement: 2,710 cc.

Compression Ratio: 17:1

Three row brass tube and copper fin radiator

Force-feed lubrication system

Distributor-type injection pump with mechanical speed governor

Four-Bearing Crankshaft

12 Volt Starting System; 4 hp Motor

400 Watt Alternator

90/95 Ah Battery located in front of radiator

Gearbox Mounted Starter Safety Switch

Vertical Exhaust Muffler

### OPERATING WEIGHT:

1,710 Kg with 6.00-16 and 12.4/11-28 Tyres, hydraulic lift with three-point linkage cat. 1-2, square type fender with flat top.

### TRANSMISSION:

Gearbox with Constant-Mesh Gears

Gears: 8 Forward 2 Reverse Speeds

Synchromesh: 3rd, 4th, 7th, and 8th Speeds

Differential with Pedal Actuated Lock

and Automatic Disconnection.

Single-Reduction Spur Gear Final Drives.

### SPEEDS (KPH)

With Tyres	12.4/11-28	
Engine speed (rpm)	2160	2500
PTO Speed (rpm)	540	625
<b>Forward</b>		
first	1.87	2.17
second	2.82	3.26
third	4.13	4.78
fourth	5.33	6.17
fifth	6.75	7.81
sixth	10.15	11.75
seventh	14.86	17.2
eight	19.2	22.22
<b>Reverse</b>		
first	2.69	3.11
second	9.7	11.22

### STEERING

Manual, recirculation ball type

Centre relay lever

Joints lubricated for life

### DRIVER'S SEAT

Fully upholstered with parallelogram suspension, adjustable to driver's weight

### FRONT AXLE

Telescopic type, inverted U, variable tread

### CLUTCH

Dual Plate, dry type, with separate controls (pedal for transmission and hand lever for PTO)

Diameter of plates: 11 in.

### POWER TAKE-OFF:

#### 13/8" – 6 Spline Shaft

Fully Independent: 540 rpm at

2,160 Engine rpm

#### High-Speed PTO\* (13/8" shaft)

Same Speed as Engine.

\* Depends on belt pulley

### FILTERS

- Air: oil-bath with precleaner and semiautomatic dust unloader

- Fuel: 2 replaceable cartridges

- Oil: easy-to-change, full-flow cartridge

Vertical exhaust muffler

Gearbox mounted starter safety switch

### TYRES

Front: 6.00-16

Rear: 12.4/11-28

### LIGHTING SYSTEM

With 3-position headlights; rear position and number plate lights.

2-pole power connector (ASAE)

Blue high beam warning light on dashboard

### BRAKES

Service: dry, band-type with mechanical control

Parking: with hand lever, on right of operator

### THREADS

Front (8 positions)

1320 - 1420 - 1520 - 1620 - 1720n - 1820 - 1920 - 2020mm

Rear (8 positions)

1200 - 1300 - 1400 - 1500 - 1600 - 1700 - 1800 - 1900mm

### DIMENSIONS:

(With 6.00-16 and 12.4/11-28 tyres) in mm

Wheelbase: 1,920

Overall Length: 2,960

Height to Top of Hood: 1,390

Height to Steering Wheel: 1,490

**Front Tread (8 positions): 1,320 – 2,020**

**Rear Tread (8 positions): 1,200 – 1,900**

Ground Clearance: 480mm under Front Axle

### OPTIONALS

### ENGINE

Cold starting aid (Thermostat)

Radiator screen

### TRANSMISSION

Additional creeper speed reduction unit, for a total of 12 forward and 3 reverse speeds

### STEERING

Hydrostatic Power, with independent circuit

### POWER TAKE-OFF

540 rpm (1 3/8" - 6 spline shaft)

Proportional ground speed, revolutions per approx. one metre forward travel (independently of gear engaged): 4.05

### HYDRAULICS

Auxiliary control valve (right hand) for implement remote control with single or double acting rams

### TOWING ATTACHMENTS

Swinging drawbar Cat A

Linkage drawbar Cat A-C

### BELT PULLEY

Diameter: 250mm

Width: 150mm

Pulley speed: 1350 rpm

Belt Speed: 17.7 m/sec

### OPTIONAL EQUIPMENT:

- Front End Weights with Frame

- PTO Pulley (AGRIPAK Design)

- DTO Pulley

- AGRIPAK SunRoof Canopy (Fiber Glass/Hard Top)

- 9 Hole Draw Bar

- Pintle/Trolley Hook (AGRIPAK Design)

- DTO Suction Pump

- High Clearance Kit

### FUEL TANK

Capacity: 54 liters

### HYDRAULIC LIFT

With draft and position control

Draft control through top link

Gear - type pump driven from engine crankshaft

Pump capacity: 22.7 lit/min

Relief valve opening pressure: 150-170 kg/sq. cm.

3-point linkage Cat. 1-2

Manual response control

Lower links with sway restrictors and transverse retaining spring

Control lever with safety stop

Max. lifting capacity: 1540 kg