

# NEW HOLLAND NH-480 Special

55 HP RANGE

HYDROSTATIC POWER  
STEERING

TWO WHEEL DRIVE



**MADFI**



# Specification

## 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.

## 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.

## 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)  
Wheelbase: 1,920mm  
Overall Length: 2,960mm  
Height to Top of Hood: 1,390mm  
Height to Steering Wheel: 1,490mm  
Front Tread (8 positions): 1,320 - 2,020mm  
Rear Tread (8 positions): 1,200 - 1,900mm  
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

## 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

## 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



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