

Fiat 70-90 / 70-90 dt HI-LO



HIGH-POWERED 4 CYLINDER ENGINE

High performance, large range of torque reserve, low fuel consumption, reliability and long life

HI-LO TRANSMISSION 30 KPH AND 40 KPH (DT)

For high productivity

POWERFUL LIFT, EFFICIENT AND VERSATILE, WITH FLEXION BAR, INTERNAL DIRECT LINKS

High lifting capacity, absolute precision and sensitivity

FIAT FOUR-WHEEL DRIVE, THE BEST AND MOST WIDELY SOLD 4WD IN THE WORLD

Coaxial system, 50-degree steering angle with two hydraulic double acting cylinders

SUPERCOMFORT OR COMFORT CAB IN THE WIDE AND STANDARD VERSION

All Fiatagri products are extremely safe and reliable. Choose them for top comfort and function



FIATAGRI

Engine

Fiat: 8045.06
Direct injection Diesel
No. of cylinders: 4
Bore and stroke: 100 x 115 mm
Piston displacement: 3,613 cc
Rpm at max power: 2,500
Rpm at max torque: 1,500
Engine power: 70 Hp/DIN
Water cooling
Air filter: oil bath with centrifugal prefilter
Cold starting aid*: thermostart or start-pilote
* Optional

Clutch

Transmission: single-plate dry-type
PTO: single-plate dry-type with separate control

Transmission

HI-LO Gearbox with synchronized speeds 24F + 12R

Speeds (kph)

With tyres 13.6/12-38
Engine (rpm) 2,500

F	Low	Medium	High
1 LO	1.6	3.7	8.7
1 HI	1.8	4.2	9.9
2 LO	2.4	5.6	13.4
2 HI	2.8	6.5	15.2
3 LO	3.0	7.0	16.4
3 HI	3.4	7.9	18.7
4 LO	4.7	11.1	26.1
4 HI	5.4	12.6	29.7

R	Low	Medium	High
1	1.8	4.1	9.7
2	2.7	6.4	15.0
3	3.3	7.8	18.3
4	5.3	12.4	29.2

* Max speed effective with the largest available size of tyres

Power take-off

1 $\frac{3}{8}$ " - 6/21* spline shaft: 540/1000* rpm, synchronized with gearbox

* Optional

Hydraulic lift

With draft, position and mixed control
Lift-o-Matic (Fiat Trattori design) automatic lifting and lowering device
Linkage lowering speed adjustment
Response control (Vario-speed)
Lift position control lever accessible from ground
3-point linkage: Cat. 2
Pump capacity: 34.5 l/min
Relief valve opening pressure: 190 kg/sq.cm
Lifting capacity: 3,500 kg

Electrical system

Circuit voltage: 12 V
Alternator: 540 Watt
Battery: 100 Ah
Starter safety switch

Safety frame

With roof
Complies with OECD standards

Steering

Hydrostatic type
Adjustable steering wheel

Front axle

Telescopic-type with variable track

For 70-90 dt

Coaxial pivoting
Centre-mounted differential with "No-spin" automatic lock device*
Wheel steering: 50°

* Optional

Brakes

Service: disc-type, oil-bath
Control: hydrostatic
Parking: disc-type, with independent control
Trailer brake bracket
Front brake*: multidisc-type, oil-bath
Control: hydrostatic
* Optional with speed of 30 kph

Towing attachments

Trailer hitch
Front hook
Swinging drawbar*

* Optional

Tyres (pairing of tyres)

Front: a) 7.50-18
b) 7.50-16*
Rear: a) 13.6/12-38
b) 16.9/14-30*

For 70-90 dt

Front: a) 11.2/10-28
b) 11.2/10-24*
Rear: a) 13.6/12-38
b) 16.9/14-30*

* Optional

Capacities

Fuel tank: 93 l
Engine oil sump and filter: 11.7 l
Rear transmission and hydraulic lift: 53.9 l
54.5 l

For 70-90 dt:

Dimensions

with tyres 7.50-18 and 13.6/12-38
Wheelbase: 2,342 mm
Overall length: 3,548 mm
Height to bonnet: 1,490 mm
Height to steering wheel: 1,867 mm
Front track with 6 positions:
from 1,400 to 1,900 mm
Rear track with 8 positions:
from 1,400 to 2,100 mm
Ground clearance under front axle:
505 mm
Height to exhaust: 2,680 mm
Height to cab: 2,613 mm
Height to safety frame: 2,599 mm

Weight

Operating, including fluids with safety frame: 2,850 kg

For 70-90 dt

with tyres 11.2/10-28 and 13.6/12-38
Wheelbase: 2,314 mm
Overall length: 3,679 mm
Height to bonnet: 1,520 mm
Height to steering wheel: 1,897 mm
Front track with 7 positions:
from 1,671 to 2,002 mm
Rear track with 8 positions:
from 1,400 to 2,100 mm
Ground clearance under front axle:
665 mm
Ground clearance under front differential:
430 mm
Height to exhaust: 2,680 mm
Height to cab: 2,613 mm
Height to safety frame: 2,599 mm
Turning radius without brakes:
4,420 mm

Weight

Operating, including fluids with safety frame: 3,165 kg

Optionals

For 70-90 dt

Transmission 40 kph

Synchronized-speed HI-LO gearbox 24F + 12R

Speeds (kph)

With tyres 13.6/12-38
Engine (rpm) 2,500

F	Low	Medium	High
1 LO	1.8	4.2	9.9
1 HI	2.1	5.0	11.7
2 LO	2.8	6.5	15.2
2 HI	3.3	7.6	18.0
3 LO	3.4	7.9	18.7
3 HI	4.0	9.4	20.0
4 LO	5.4	12.6	29.7
4 HI	6.4	14.9	35.1

R	Low	Medium	High
1	1.8	4.1	9.7
2	2.7	6.4	15.0
3	3.3	7.8	18.3
4	5.3	12.4	29.2

* Max speed effective with the largest available size of tyres

Hydraulics

With convertible auxiliary control valves (single or double-acting) and 1/2" quick half-couplings (push-pull) for implements remote control
Floating position availability

Supercomfort cab*

Soundproofing, with all round vision
Safety escape hatch, opening rear and side window glasses, side doors, fully glazed with semi-open position check control device, windshield washer and wiper, athermic glasses, ventilation and heating system, "Super-de-luxe" adjustable seat with cloth covering and tilting arm-rests
Optional: air conditioning, 2 front and 2 rear headlights for night work

Comfort Cab*

Soundproofing, with side and doors fully glazed, opening rear and side window glasses, ventilation and heating system

* Complies with OECD standards

Wheels

Rear wheels with cast discs
Tread adjustment through PAVT device

Ballast

Front support and hook
Ballasting on front axle and on rear wheels



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Fiatagri is the agricultural tractor and machinery division of FiatGeotech.

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