

Fiat 160-90 / 160-90 dt turbo PS



A FIATAGRI GIANT

An inexhaustible source of power and comfort

HIGH-POWERED TURBOCHARGED ENGINE

High power, large range of torque reserve, low fuel consumption, high performance

WIDE CHOICE OF TRANSMISSIONS FOR HIGH PRODUCTIVITY

Power-shift, synchronized ranges, reverser or super reduction unit

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

Generous lifting capacity, absolute precision and sensitivity

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

Coaxial system with electro-hydraulic engagement, 50 degree steering angle

FIATAGRI SUPERCOMFORT CAB

High standards of comfort, valuable finishings, high-quality accessories for ergonomic, functional and safe operation



FIATAGRI

Engine

Fiat 8365.25 supercharged
Direct injection Diesel
No. of cylinders: 6
Bore and stroke: 115 x 130 mm
Piston displacement: 8,102 cc
Rpm at max power: 2,200
Rpm at max torque: 1,400
Engine power: 160 Hp/DIN
Water cooling
Air filter: dry-type, with centrifugal prefilter
Cold starting aid*: thermostart or start-pilote
Engine and gearbox oil intercooler
* Optional

Clutch

Transmission: multiplate, in oil bath
PTO: with separate hydraulic control, multiplate in oil-bath

Transmission

Power-shift gearbox with super-reduction unit 24 F + 8 R

Speeds (kph)

With tyres 18.4/15-38 PAVT
Engine (rpm) 2,200

	Low	Med.	High			
F	SR	SR	SR	Low	Med.	High
1	0.3	0.6	1.4	3.0	6.2	15.5
2	0.34	0.7	1.7	3.7	7.5	18.8
3	0.4	0.8	2.1	4.5	9.1	22.8
4	0.5	1.0	2.6	5.5	11.1	27.7

R			
1	0.5		5.7
2	0.6		6.9
3	0.8		8.3
4	0.9		10.2

* Max speed effective with the largest available size of tyres

Power take-off

1 $\frac{3}{8}$ " - 6/21 spline shaft: 540/1000 rpm, fully independent

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: 55 l/min
Relief valve opening pressure: 170 kg/sq.cm
Lifting capacity with 2 auxiliary cylinders: 6,645 kg

Hydraulics

1 convertible auxiliary control valve (single or double acting) with 1/2" quick half-couplings (push-pull) for engagement under pressure

Electrical system

Circuit voltage: 12 V
Alternator: 780 Watt
Battery: 176 Ah
Starter safety switch

Steering

Hydrostatic type
Adjustable steering wheel

Front axle

Telescopic-type, with variable track

For 160-90 dt

Coaxial pivoting
Centre-mounted differential with hydraulic lock device
Wheel steering: 50°

Brakes

Service: disc-type, oil-bath, with hydrostatic control
Parking: disc-type, with independent control
Trailer brake bracket

Towing attachments

Trailer hitch
Swinging drawbar*
* Optional

Tyres (pairing of tyres)

Front: a) 11.00-16
Rear: a) 18.4/15-38
b) 20.8/38*

For 160-90 dt

Front: a) 14.9/13-28
b) 16.9/14-28*
c) 480/70R-28*
Rear: a) 18.4/15-38
b) 20.8/38*

* Optional

Wheels

Front and rear wheels with cast discs for track adjustment through P.A.V.T. device

Capacities

Fuel tank with 2 auxiliary fuel tanks: 280 l
Engine oil sump and filter: 18.3 l
Rear transmission and hydraulic lift: 56.4 l
For 160-90 dt: 59.5 l

Ballast

Front support with hook

Dimensions

With tyres 11.00-16 and 18.4/15-38 PAVT
Wheelbase: 2,963 mm
Overall length: 4,693 mm
Height to bonnet: 1,806 mm
Height to steering wheel: 2,190 mm
Front track with 6 positions:
from 1,600 to 2,100 mm
Rear track with 5 positions:
from 1,822 to 2,222 mm
Ground clearance under front axle:
635 mm
Height to exhaust: 2,960 mm
Height to cab: 2,850 mm
Height to safety frame: 2,785 mm

Weight

Operating, including fluids, with cab: 6,190 kg

For 160-90 dt

With tyres 14.9/13-28 and 18.4/15-38 PAVT
Wheelbase: 2,863 mm
Overall length: 4,420 mm
Height to bonnet: 1,806 mm
Height to steering wheel: 2,190 mm
Front track with 5 positions:
from 1,800 to 2,200 mm
Rear track with 7 positions:
from 1,620 to 2,220 mm
Ground clearance under front axle:
546 mm
Ground clearance under front differential: 462 mm
Height to exhaust: 2,960 mm
Height to cab: 2,850 mm
Height to safety frame: 2,785 mm
Steering radius without brakes: 5,325 mm

Weight

Operating, including fluids, with cab: 6,760 kg

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
* Complies with OECD standards

Optionals

Transmission

Power-shift gearbox with reverser 16 F + 16 R

Speeds (kph)

With tyres 18.4/15-38 PAVT
Engine (rpm) 2,200

	Low	Medium low	Medium high	High
F				
1	3.0	6.2	6.9	15.5
2	3.7	7.5	8.3	18.8
3	4.5	9.1	10.1	22.8
4	5.5	11.0	12.3	27.7
				32.0*
R				
1	2.4	4.9	5.5	12.4
2	3.0	6.0	6.7	15.1
3	3.6	7.3	8.1	18.2
4	4.4	8.8	9.8	26.5

* Max speed effective with the largest available size of tyres

Front power take-off

1 $\frac{3}{8}$ " - 21 spline shaft, 1,000 rpm

Hydraulic lift

Implement attachment lower links with sway restrictor blocks and spring or quick couplings and spacing spring.
3rd point and right vertical link with hydraulic adjustment

Front lift

3-point linkage: Cat. 2
2 lifting jacks
Lifting capacity: 5,660 kg

Hydraulics

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

Safety frame*

With roof

* Complies with OECD standards

For 160-90 dt

Electro-hydraulic engagement of four-wheel drive for integral braking

Ballast

Ballasting on front axle and on rear wheels



Fiatagri is the agricultural tractor and machinery division of FiatGeotech.

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