

Fiat 70-66 / 70-66 dt



HIGH POWERED 4 CYLINDER ENGINE

High performance, high torque reserve, low fuel consumption, reliability and long life

WIDE CHOICE OF TRANSMISSIONS FOR HIGH PRODUCTIVITY

Standard reverser 12+12, super reduction unit and reverser 20+12

POWERFUL LIFT, EFFICIENT AND VERSATILE, WITH FLEXION BAR, DRAFT CONTROL SYSTEM, POSITION AND MIXED CONTROL

Generous lifting capacity, with absolute precision and sensitivity

FIAT FOUR-WHEEL DRIVE, THE BEST AND MOST WIDELY SOLD EQUIPMENT

Coaxial system, 50-degree steering angle with two hydraulic double acting cylinders*, self-locking differential (front brake inside the axle), protected couplings

* Optional



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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
Cold starting aid*:	thermostart

* Optional

Clutch

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

Transmission

Synchronized speeds gearbox with reverser:	12F + 12R
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Speeds (kph)

with tyres:	13.6/12-36
engine (rpm):	2,500

F	Low	Medium	High
1	1.7	4.0	9.4
2	2.7	6.2	14.5
3	3.3	7.6	17.8
4	5.3	12.1	28.3
			32.1*

R	Low	Medium	High
1	1.7	4.0	9.4
2	2.7	6.2	14.5
3	3.3	7.6	17.8
4	5.3	12.1	28.3

* Max speed effective with the largest available size of tyres

Power take-off

1 3/8"-6/21* spline shaft: 540/1000* rpm, synchronized with gearbox

* Optional

Hydraulic lift

With draft, position and mixed control
Automatic lifting and lowering device
Lift-O-Matic (Fiat Trattori design)
Linkage lowering speed adjustment
and lift lock
Response control (Vario-Speed)
3-point linkage: Cat. 2
Pump capacity: 34.5 l/min
Relief valve
opening pressure: 190 kg/sq.cm
Lifting capacity: 3,565 kg

Electrical system

Circuit voltage:	12 V
Alternator:	400 Watt
Battery:	100 Ah
Starter safety switch	

Safety frame

With roof
Complies with O.E.C.D. standards

Steering

Hydrostatic type

Front axle

Telescopic-type with variable track setting

For 70-66 dt

Coaxial front axle pivot and drive shaft
Centre-mounted differential with "NO SPIN" automatic lock device*
Wheel steering angle: 50°

* Optional

Brakes

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

For 70-66 dt

Front brake*: disc-type, dry-type
Control: hydrostatic

* Optional

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 70-66 dt

Front: a) 12.4/11-24
b) 11.2/10-24*
Rear: a) 13.6/12-36
b) 18.4/15-30*
c) 16.9/14-30*

* Optional

Capacities

Fuel tank:	73 l
With 1 auxiliary* fuel tank:	98 l
Engine oil sump and filter:	11.7 l
Rear transmission and hydraulic lift:	40.0 l
For 70-66 dt:	40.8 l

Dimensions

with tyres:	7.50-18 and 13.6/12-36
Wheelbase:	2,305 mm
Overall length:	3,468 mm
Height to bonnet:	1,470 mm
Height to steering wheel:	1,603 mm
Front track with 6 positions:	from 1,410 to 1,910 mm
Rear track with 7 positions:	from 1,400 to 2,000 mm
Ground clearance under front axle:	595 mm
Height to exhaust:	2,468 mm
Height to cab:	2,408 mm
Height to safety frame:	2,495 mm

Weight

Operating, including fluids with safety frame: 2,490 kg

For 70-66 dt

Dimensions
with tyres 12.4/11-24 and 13.6/12-36

Wheelbase:	2,249 mm
Overall length:	3,564 mm
Height to bonnet:	1,490 mm
Height to steering wheel:	1,663 mm
Front track with 5 positions:	from 1,530 to 1,970 mm
Rear track with 7 positions:	from 1,400 to 2,000 mm
Ground clearance under front axle:	456 mm
Ground clearance under front differential:	415 mm
Height to exhaust:	2,468 mm
Height to safety frame:	2,495 mm
Height to cab:	2,408 mm
Steering radius without brakes:	4,215 mm

Weight

Operating, including fluids with safety frame: 2,790 kg

Optionals

Transmission

Synchronized-speed gearbox with super reduction unit and reverser: 20F + 12R

Speeds (kph)

with tyres: 13.6/12-36
engine (rpm): 2,500

F	Low SR	Medium SR	Low	Medium	High
1	0.3	0.7	1.7	4.0	9.4
2	0.5	1.1	2.7	6.2	14.5
3	0.6	1.4	3.3	7.6	17.8
4	0.9	2.2	5.3	12.1	28.3
					32.1*

R	Low SR	Medium SR	Low	Medium	High
1		1.6	3.8	8.9	
2		2.5	5.8	13.7	
3		3.0	7.1	16.8	
4		4.8	11.3	26.7	

* 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 implement remote control
Floating position availability

Cab

With good all-round vision; fixed or opening* windshield, athermic glasses, opening rear and side window glasses, adjustable driver's seat with cloth covering and tilting arm-rests, ventilation and heating system
Soundproofing
Complies with O.E.C.D. standards

* With sunscreen

Ballast

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

For 70-66 dt 40 kph

Transmission

Synchronized-speed gearbox with reverser: 12F + 12R

Transmission

Synchronized-speed gearbox with super reduction unit and reverser: 20F + 12R

Speeds (kph)

with tyres: 13.6/12-36
engine (rpm): 2,500

F	Low SR	Medium SR	Low	Medium	High
1	0.4	0.9	2.1	4.9	11.4
2	0.6	1.4	3.3	7.5	17.6
3	0.7	1.7	3.9	9.2	21.6
4	1.1	2.6	6.2	14.6	34.3
					40.2*

R	Low SR	Medium SR	Low	Medium	High
1		2.0	4.6	10.9	
2		3.0	7.1	16.7	
3		3.7	8.7	20.5	
4		5.9	13.8	32.6	

* Max speed effective with the largest available size of tyres

Brakes

Front brake*: disc-type, oil-bath
Control: hydrostatic

* Standard



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