FIAT-HITACHI



NET FLYWHEEL POWER

257 kW / 349 HP

OPERATING WEIGHT

38000 Kg



SPECIFICATIONS



Engine

Net flywheel power (DIN 6270)	349 HP / 257kW
Net flywheel power (SAE J1349)	
Net flywheel power (ISO 9249)	
Net flywheel power (CEE 80/1269)	
Make and model	
Typeturbocharged, direct inject	ction, 4-cycle diesel
Number of cylinders	
Bore x stroke	
Displacement	
Governed rpm	
Maximun torque16	31 kgm at 1200 rmp
Lubricationfull pres	sure by gear pump
The machine may be operated up to 2500 derating the engine.	m altitude without

i

Steering and braking

STEERING

Hydraulically released, spring applied, oil cooled multiple disc clutches

Combined steering and braking

BRAKES-SERVICE

Hydraulically released, spring applied, contracting band, oil bath type

Control one pedal Total friction per area (each) 2197 cm²

BRAKES-PARKING

Automatic actuation on service brakes with safety transmission lever in lock position or with engine stop



Electrical system

Voltage	24 V
Battery	4
rating (total)	170 Ah
type	maintenance free
Starter	
Alternator	55 A
Master switch for electrical system	
Emergency current socket 24 V	



Final drives

Type	double reduction
Ratio	9.3 to 1
Lubrication	splash



Torque converter

Type	single stage,rotating housing
Torque multiplication	2.3:1



Track

Hydraulic track adjusters

Sprockets with bolt-on segments. Outer sprocket guards, full track roller guards. Disc idlers, track rollers, carrier rollers and idlers are permanently lubricated and sealed Track alignment guides.

Unsealed or sealed and lubricated tracks available. Split master link

Length of track on ground	3150	mm
Gauge		
Ground clearance		
Track rollers (per track)	7	
Carrier rollers	2	
Number of shoes (per track)	41	

Track shoes	Ground contact area	
610 mm	38430 cm ²	



Transmission

Type: full power shift, countershaft, constant mesh
Control modulation......five trimmer valve, one per clutch pack
Smooth directional shifts assured by the Brake Aided System
which actuates the service brakes gradually and automatically
to control machine speed

Control pilot, single lever, open pattern
Clutches multiple disc, hydraulic
Lubrication full pressure

Speeds and drawbar pull*

		G 540
Fwd.	km/h	Q 480
1ª	4.3	× 420
2ª 3ª	4.3 6.9	¥ 360 = 300
3ª	10.6	己 240
Rev.	km/h	180 M 120
1 a	5.0	Dra 60
2ª	8.1	0 1 2 3 4 5 6 7 8 9 10 11
2ª 3ª	12.1	Speed (km/h)

* Drawbar tractive effort depends on adhesion coefficient, rolling resistance and machine operating weight

Safety device: a lever in the lock position inhibits transmission control lever and engine starting; it automatically engages parking brakes.



Hydraulic system

Reservoir	clos
Pump	gear type, two secti
- Large section	346 l/m
- Power assist section	27 l/m
Control valve	three spo
- Relief valve pressure	160 b
- Actuationsingle lever,	power assisted blade cont

DIMENSIONS (mm)

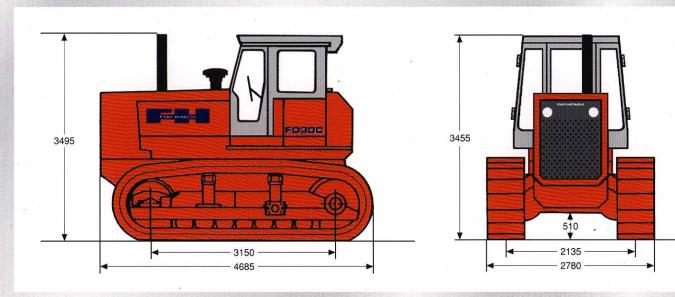




Shipping weight

Including ROPS canopy, blade lift cylinders, lubricants, coolant, 10% fuel...

.28270 kg



BLADETYPE	Blade width mm	Blade height mm	Capacity SAE J1265 m ³	Max. tilt	Max. pitch	Digging depth	Max. lift above ground mm	Overall length with blade mm	Operating weight* kg
Semi-U (HSU)	3975	1650	8,7	900	10°	535	1375	6555	37720
Full-U (HU)	4295	1650	11,4	975	10°	535	1375	6250	38000
Angle** (HA)	4620	1145	4,5	385		710	1220	6020	36180

 $^{^{\}star}$ Includes ROPS cab, standard shoes, fluids, operator, blade and single shank PVDM ripper ** Max angulation $\pm\,25^{\circ}$

- Dozer circuit	raise, hold, lower, float
- Tilt circuit	left, hold, right
Double acting cylinder control	
- Blade	2

- Blade	2
Bore x stroke	140 x 1295 mm
- Tilt (HSU/ Full-U)	1
Bore x stroke	200 x 180 mm

Hydraulic oil level sight gauge reservoir

10.10	
	Capacities

ENGINE	Litres
Lube oil	
Coolant	91
Fuel tank	700
TRANSMISSION, oil	
Torque converter and transmission	
Steering and braking	168
Final driver (each)	51
HYDRAULIC SYSTEM	145
with ripper	179



MODEL		VP30MH/3	PVDM
Type		Parallelogram, variable pitch	Parallelogram, variable pitch
Ripping depth			1195
Ripping width			
Shanks			
Clearance under tooth with ripper raised	mm	1750	890
Overall width			
Weight (with hydraulic system)	Kg	5360	3420

STANDARD EQUIPMENT

- · Air cleaner dust ejector
- · Alternator, 55 A
- Antifreeze
- · Automatic parking brake
- · Back-up alarm
- Control and piping for rear attachment
- Decelerator
- · Diagnostic system
- Dry air cleaners w/safety elements
- · Fan, pusher
- · Gauges: engine coolant temperature, engine oil pressure; transmission oil temperature, transmission oil pressure
 - warning lights: brake band wear and brake circuit low oil pressure
- Guards: full track roller Instrumentation - Electronic Data Monitor (E.D.M.)

- -warning lights: check level transmission oil, engine oil, engine coolant;
- warning lights: engine oil pressure,
- transmission oil pressure;
 -warning lights: engine coolant temperature, oil transmission temperature;
- warning lights: air filter restriction, hydraulic oil filter;
- -warning lights: battery charge
- indicator: fuel level level sensors switch hourmeter - tachometer - voltmeter
- · Guards: crankcase (HD) idler seal, radiator wrap-around, transmission (HD), upper track frame

- · Hydraulics: three spool control valve, piping, single lever blade control
- Hood side panels
- · Horn
- Lighting, two front and two rearMuffler
- · Pull hook, front
- · Radiator sand grid
- · ROPS canopy with seat belt
- Track adjusters, hydraulicTrack, sealed and lubricated with split link
 Tool kit
- · Track shoes, 610HD mm
- · Transmission -powershift, three forward and reverse speeds
- Suspension seat

OPTIONAL EQUIPMENT

- Air conditioningBlades: semi-U (HSU), full-U (HU), angle (HA)
- · Cold weather starting aid
- · ROPS cab

- Rippers
- Vandalism protection

At your own dealership