FORD FW-30

Ford FW-30 specifications

Engine	
Engine hp	295†
Est. drawbar hp	250
Make and type	Cummins V8
Fuel and injection type	Diesel, direct fuel injection
Cubic capacity	903 in (14719 cc)
Bore and stroke	5.50 x 4.75 in (140 x 121 mm)
Comp. ratio	16.5:1
Valves per cylinder	4
Rated speed – rpm	2600
Low idle – rpm	875
High idle – rpm	2960
Peak torque – rpm	700 lbf ft (849 Nm) @ 1800
Air cleaner	Dual dry element, aspirated
Transmission	
Type	Mechanical, constant mesh
Speeds Forward – std	*20
Speeds Reverse – std	4
Weight	
Standard with dual tyres	25320 lb (11485 kg)
Clutch	
Type	Dry
Actuation	Hyd.
No. of plates	2
Diameter – in	14
Material and buttons	Cerametallic, six buttons

†Max. SAE 816 b

Hydraulics	
System type	Open centre
Pump type	Gear
Capacity @ rated rpm and 2250 psi	25 gpm (113.6 lpm)
Remote valves – std	4
Max. capacity @ remote outlets	16.6 gpm (75.4 lpm)
System pressure – psi	2250 (158.2 kgf/cm²)
Steering	
System	Priority
Hydrostatic type	40 degree, artic.
Operating pressure psi	2250 (158.2 kgf/cm²)
No. of cylinders	2
Cylinder type	D/acting
Cylinder diameter – in	3.5 in (88.9 mm)
Tilt steering column	Std
Telescoping column	Std
Lock to lock (no. of turns)	6.62
Electrical	
System	12 volt, negative ground
Batteries	Four
Battery cap – amp hrs	85 each
Alternator cap – amps	90
Ether kit	Std.
Starter	Solenoid activated, positive engagement
Worklights	2 front, 4 rear
Lighting	Full road lighting
Drawbar	
Type	Roller
Vertical adjustment	Yes

3-Point Hitch		
Category	III	
Lift capacity @ 24 in	12500 lb (5670 kg)	
Quick hitch – std	Yes	
Capacities – Imp galls	**Galls**	**Litres**
Cooling system	14	(63.6)
Crankcase w/filter	7.8	(35.5)
Trans./transfer case	12.4	(56.2)
Front axle	8	(36)
Rear axle	8	(36)
Hyd./steering reservoir	20.75	(94.3)
Fuel tank	187	(850)
Axles		
Final reduction	Planetary	
Location	Outboard	
Diff. ratio	4.88:1	
Axle ratio	25.6:1	
No spin differential	Front axle	
Brakes		
Make	Multiple disc, ball and ramp	
Type	Dry	
Actuation – main	Hyd.	
– parking	Cable	
No. of plates	4	
Size and location	9 in OD x 6 in ID (228.6 x 152.4 mm) transfer case	
Emergency brake	Mechanical caliper and disc	
Tyres		
Standard (front and rear)	18.4 x 38 (duals)	

***TRANSMISSION – GROUND SPEEDS (18.4 x 38 TYRES)**

GEAR	1				2				3				4				5			
RANGE	LO		HI		LO		HI		LO		HI		LO		HI		LO		HI	
	STD	OVER	STD	OVER	STD	OVER	STD	OVER	STD	OVER	STD	OVER	STD	OVER	STD	OVER	STD	OVER	STD	OVER
mph	2.1	2.4	2.7	3.1	3.5	4.0	4.5	5.1	5.7	6.4	7.3	8.2	9.4	10.6	12.1	13.6	15.1	17.0	19.2	21.6
kph	3.38	3.86	4.34	4.99	5.63	6.44	7.24	8.20	9.17	10.3	11.75	13.19	15.12	17.06	19.47	21.88	24.30	27.35	30.89	34.75

Miscellaneous	
Overall width (dual tyres)	144.2 in (366.3 cm)
Height to top of cab	134.3 in (341.1 cm)
Hood height	94.3 in (240 cm)
Wheelbase	132.5 in (337 cm)
Overall length	267 in (678 cm)
Turning radius	19 ft 9 in (6 m) to centre of outer tyres
Articulation:	
Full turn	40°
Oscillation	±15

Ford tractors. Built to be relied on.

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