



WORLDWIDE CONSTRUCTION MACHINERY PTY LTD.

FT254 | FT404 | FT824



WORLDWIDE CONSTRUCTION MACHINERY

GENERAL TECHNICAL SPECIFICATIONS

Type	4WD	Transfer box	Straight tooth column gear with gearshifting mechanism
Max. Overall Dimensions (mm)	4390 (with F/Rocker)	Chassis	No-beams type
L (include rear suspension)	4390 (with F/Rocker)	Front axle	—
Width	2520	Front driving axle shaft	Control ball shaft
H (to the top of muffler)	2810	Tyre pressure (kPa) Trapt.	
Wheelbase (mm)	2195	Front	166 - 186
Tread		Rear	166 - 186
Front	1610	Tyre pressure (kPa) Field wkg.	
Rear	1620 - 2020 (auxial 1620)	Front	118 - 137
Min. ground clearance (mm)	379 (to front axle base)	Rear	118 - 137
Turning radius (from side brake)	4.2 ± 0.3	Tyre size (front wheel)	11.2 - 24
Net weight (kg)		Tyre size (rear wheel)	95.5 - 35 / 13.6 - 36 (quality field tyre)
With cab	3750	Front wheel positioning	
Without cab	3630	Front axle in (mm)	1 - 5
Min. working weight (kg)		Outer 16 angle	7°
With cab	3940	King pin-inner 16 angle	7° 30'
Without cab	3740	King pin-back 16 angle	30'
Weight distribution (kg) (FRONT)		Front axle steering angle	11°
With cab	1640	Steering type	Independent of routes, power torq wheel steering
Without cab	1630	Steering pump	H.C.D.100 / 12 (right constantly overflow pump)
Weight distribution (kg) (REAR)		Displacement (mL/h)	76
With cab	2350	Flow rate (L/min)	12
Without cab	2140	Safety valve pressure (MPa)	12.5
Ballast (kg)		Hydraulic swivel	0220-C160C power steering
Front	Max. 310	Steering cylinder bore-inng	55
Rear	Max. 480	Steering cylinder stroke (mm)	200
Rated towing force (kN)	19	Front wheel max. turning angle	50°
ENGINE		Blowing brake	Hydro-static, plate type (stall disc, manned lever pedal Handle operating, multi-torq face with mechanically pressed oil immersing type)
Model	See the engine specification	Parb brake	Air-off type
Type	Water cooled, vertical, 4 strokes	Trailer braking	Hydraulic system type
Cylinder	4	Tilting depth control type	Tilting depth control type
Base x stroke (mm)	See the engine specification	Hydraulic pump	Hydraulic pump
Rated power (kW)	See the engine specification	Drive x stroke (mm)	10.5 x 10.5
Rated speed (rpm)	See the engine specification	Safety valve open pressure (MPa)	16
GEARS 8F + 4R - Theoretic Speed (km/h)		Max. lifting force at 24 inch point of link arm-end (kN)	10 ± 0.5
	Engine	Suspension mechanism (mm)	±16
	2300rpm		
Forward (Low Speed)	2.41	Hydraulic output	1 gear head 8mm x 1.5 (1-3 multiple valves of option)
	3.75	Flow rate (L/min)	36.8 / 36.4
	6.01	PTD shaft (mm)	Rear independent 700 / 1000 (540 / 1000 at option)
	9.39	PTD shaft diameter (mm) and gears type	35, 8 teeth m-triangle spline shaft C15, 6 teeth m-triangle spline shaft or 35, 21 teeth involute spline Clockwise (from back of tractor) Swing diameter, towing hitch, position adjustable
Forward (High Speed)	10.47	PTD shaft rotating direction	26
	16.29	Towing equipment type	420 / 467
	26.06	Towing pin diameter (mm)	686 / 647
	36.37	Hook-pin diameter (mm)	45
Reverse	3.24	Electrical system	12V single line with negative pole
	5.04	Battery	6-20A-180, 12V 185Ah
	8.06	Headlight	12V 45-140W combination type
	11.25	Front turning light	12V, 15W, 2 pcs
		Rear light array	With indicating SW, turn 21W braking 21W, reflectors 2 pcs 2 pcs respectively
		Rear working light	12V 55W, 2 pcs
		Liquid Capacity	7 holes trailer socket
		Radiator (L)	14
		Fuel tank (L)	150
		Engine sump (L)	17
		Oil filter (L)	17
		Hydraulic steering oil (L)	Replenish to regulated level as per demand
		Brake oil (L)	2.5
		Transmission oil (L)	0.6
		Lubric oil (L)	39
		Front axle level transmission (L)	17
		Rear axle level transmission (L)	6
		Front axle level transmission (L)	1.2 (each side)
		Rear axle level transmission (L)	



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