

40ton Internal Combustion Counterweight Forklift Parameter

FLIFT	Characteristic					
1	Model				FD400	
2	Power Type				Diesel	
3	Operation Type				Seated	
4	Rated Loading Capacity			kg	40000	
5	Load Center			mm	1250	
Weight						
6	Service Weight			kg	51000	
Tyre & Chassis						
7	Tyre Type			Pneumatic Tyre		
8	Wheel Quantity X=Driving wheels (F/R)				4X/2	
9	Front Tyre Size				18.00-25	
10	Rear Tyre Size				18.00-25	
11	Front Tread		S	mm	3030	
12	Rear Tread		P	mm	2840	
13	Wheelbase		L5	mm	5490	
Size						
14	Lifting Height		h3	mm	4000	
15	Fork Size	L×W×T	L3×W×T	mm	2400×250×110	
16	Mast Tilt Angle	F/R	α / β	°	6/12	
17	Mast Lowered Height		h1	mm	4700	
19	Mast Extended Height		h4	mm	6700	
21	Fork Adjust Range (Out of fork)		R	mm	1070-3200	
22	Overall Length (Withiut fork)		L2	mm	7870	
23	OverallWidth (Frame Width)		B	mm	4220	
24	Overhead Guard Height		h5	mm	3860	
25	Distance From Seat Surface to Overhead Guard		h6	mm	1000	
26	Front Overhang			X	mm	1260
27	Rear Overhang			L4	mm	1120
28	Min. Turning Radius		Wa	mm	7450	
29	Min. Ground Clearance (Bottom of Mast)		m1	mm	340	
30	Min. Right-angle Channel Width		Ra	mm	7650	
31	Min. Right-angle Stacking Channel Width		RASA	mm	10500	
Performance						
32	Max. Driving Speed (no-load/load)		I	km/h	24/22	
33	Max. Lifting Speed (no-load/load)			mm/s	300/260	
34	Max. Descend Speed (no-load/load)			mm/s	≥300 ≤600	
35	Max. Gradeability (load)			%	22	
Driving & Transmission						
37	Battery (Voltage/Ah)			V/Ah	24/240	
38	Engine	Model			Cummins QSC8.3	
39		Rated Power /r. p. m		kw/rpm	224/2100	
40		Rated Torque/r. p. m		Nm/rpm	1356/1500	
41		No. of Cylinder			6	
42	Fuel Tank Capacity			L	400	
43	Transmission	Type			Hydraulic	
44		Gears: Forward/Rear			3/3	
Others						
45	Hydraulic System Working Pressure			Mpa	22	

No.	Commodity	Brand	Manufacturer
Standard Configuration			
1	Engine	Cummins	Cummins
2	Gearbox	DANA	America DANA
3	Steering Axle	An Qing Axle	An Qing Axle Factory
4	Driving Axle	kessler	Germany kessler
5	Hydraulically controlled proportional multiplex valve	BARMAG	Germany BARMAG
6	Ram pump	Danfoss	Denmark Danfoss
7	Lifting Cylinder	Tuobang	Chinese Tuobang
8	Tilt Cylinder	Tuobang	Chinese Tuobang
9	Steering Gear	America Eaton	America Eaton
10	Brake Valve System Control Valve	MICO	America MICO
11	Radiator	ZONBO	China ZONBO
12	Front Tyre	Advance	China Advance
13	Rear Tyre	Advance	
14	Cabinet	/	Produced By Ourself FLIFT
15	Remark : Equip with ROPS & FOPS		