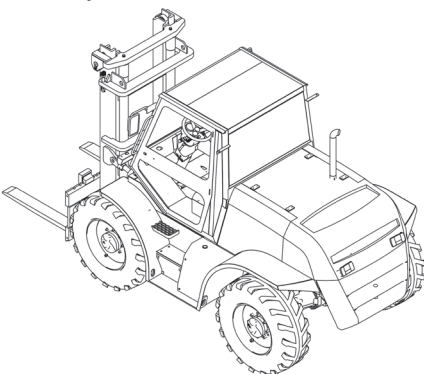
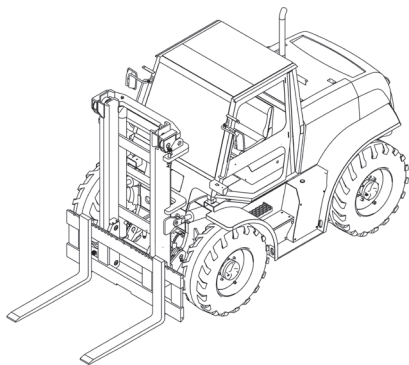




HEAVY DUTY ROUGH TERRAIN FORKLIFT TRUCKS – 40 DR, 50 DR, 70 DR



IPO Lifts rough terrain forklifts are a reliable and versatile solution. Ranging from 4 to 8 tones lifting capacity, they are distinguished with productivity and security for all types of cargo handling on difficult and irregular terrain. With a greater turning radius and supplied with both front and back driving axels the forklifts ensure high maneuverability and superb productivity in rough terrain areas. The wide range of off road 4x4 models are perfect for virtually any rehandling environment from docks to yards, mines, timber forestry, construction sites and builders' merchants.

- Open mines
- Military
- Agriculture
- Woodwork enterprises
- Deserts and sand regions
- Underdeveloped road conditions

Core Technologies and Components

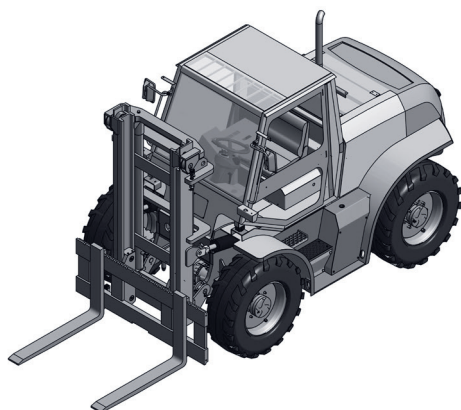
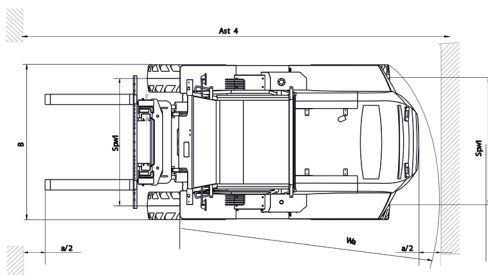
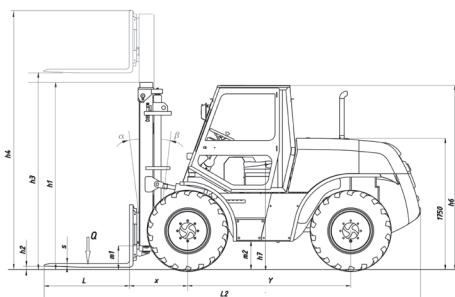
Engine Perkins 1104D-44T	Diesel, 4 cylinders in-line, 4 stroke, 4400 cm3, direct injection, water cooled
Transmission DANA T12000	Hydrodynamic with torque convertor and full Power Shift
Mast type	A robust produced simplex mast of all roller construction – duplex and triplex option available
Drive axle DANA	Wet disk brakes in oil bath without service with differential lock
Drive steering axle DANA	Wet disk brakes in oil bath without service

HIGH PERFORMANCE

4x4

- Full hydrostatic power steering
- Overhead guard
- Closed cabin with heater and AC
- Adjustable Grammer Primo XL seat
- Full safety equipment according to ROPS & FOPS Standard

TECHNICAL SPECIFICATIONS AND PARAMETERS



		IPO-Lifts Ltd	IPO-Lifts Ltd	IPO-Lifts Ltd
		IPO 40 DR	IPO 50 DR	IPO 70 DR
Identification	1.1 Manufacturer			
	1.2 Type			
	1.3 Drive: elec., diesel, gasoline, LPG	Diesel	Diesel	Diesel
	1.4 Driver position: Seated	Seated	Seated	Seated
	1.5 Load capacity Q (t)	4,00	5,00	7,00
	1.6 Load center C (mm)	600	600	600
	1.7 Distance from CL of front axle to fork face X (mm)	780	785	968
	1.8 Wheel base Y (mm)	2200	2200	2700
Weights	2.1 Weight - unladen kg	7800	8700	10800
	2.2 Axle weight laden, front / rear kg	9900/1300	12300/1400	13620/1800
	2.3 Axle weight unladen, front / rear kg	3120/4400	4200/4500	5280/5220
Wheels, Chassis	3.1 Tyre type: SE=Superelastic, L=Pneumatic	L/L	L/L	L/L
	3.2 Tyre size, front	365/80 R 20	365/80 R 20	18.0x22.5
	3.3 Tyre size, rear	365/80 R 20	365/80 R 20	18.0x22.5
	3.4 Wheels, front / rear (x=drive)	2X/2X	2X/2X	2X/2X
	3.5 Track, Spw1 / Spw2 front / rear	1730/1730	1730/1730	1760/1760
Basic Dimensions	4.1 Mast tilt angles, forward (a) / backward (b) deg	10/12	10/12	10/12
	4.2 Mast height - closed h1 (mm)	2430	2500	2845
	4.3 Free lift h2 (mm)	130	140	200
	4.4 Lift h3 (mm)	3300	3300	3300
	4.5 Mast height - extended h4 (mm)	4065	4106	4655
	4.6 Full free lift, duplex / triplex h5 (mm)	-	-	-
	4.7 Height of overhead guard h6 (mm)	2490	2490	2600
	4.8 Seat height h7 (mm)	1470	1430	1580
	4.9 Length to fork face L2 (mm)	3920	3930	4700
	4.10 Overall width B (mm)	2100	2100	2250
	4.11 Fork dimension (thickness / width / length) s/e/l (mm)	40x120x1200	50x120x1200	70x150x1200
	4.12 Fork carriage to ISO 2328, Class A, B	4A	4A	4B
	4.13 Ground clearance laden under mast m1 (mm)	280	300	365
	4.14 Ground clearance center of wheel base m2 (mm)	360	360	400
	4.15 Turning radius, minimum R min (mm)	1150	1150	1300
	4.16 Turning radius, maximum R max (mm)	4200	4600	5650
Performance data	5.1 Travel speed, laden / unladen km / h	24/27	24/27	24/27
	5.2 Lifting speed, laden / unladen m/s	0.40/0.50	0.40/0.50	0.40/0.50
	5.3 Lowering speed, laden / unladen m/s	0.60/0.40	0.60/0.40	0.60/0.40
	5.4 Drawbar, pull, laden / unladen kN	58/45	66/55	72/65
	5.5 Gradeability laden / unladen %	26/32	26/32	26/32
	5.6 Service brake, type	Hydraulic	Hydraulic	Hydraulic
	5.7 Parking brake, type	Hand	Hand	Hand
Engine	6.1 Engine manufacture / type	Perkins 1104D-44T	Perkins 1104D-44T	Perkins 1104D-44T
	6.2 Engine output to ISO 1585 kW	62	62	74
	6.3 Rated speed rotation 1/min	2200	2200	2200
	6.4 Cylinders / displacement /cm3	4/4400	4/4400	4/4400
Other Details	7.1 Fuel tank capacity	140	140	190
	7.2 Transmission manufacturer / type *	DANA/T12000	DANA/T12000	DANA/T12000
	7.3 Coupling	hydrodynamic 3/3	hydrodynamic 3/3	hydrodynamic 3/3
	7.4 Working pressure for attachments bar	180	180	180

HIGH PERFORMANCE

4x4

	D (G) 50								
	simplex				triplex				
h3	3700	4000	4500	5000	4300	4800	5100	5500	6000
h1	2540	2690	2940	3290	2160	2320	2440	2560	2730
h4	4540	4840	5340	5840	5100	5600	5940	6300	6810
h2	140	140	140	140	0	0	0	0	0
a/b	5/12	5/12	5/12	3/6	5/12	3/6	3/6	3/6	3/6