





With lifting capacities ranging from 3 up to 32 tonnes, IPO Lifts heavy duty forklift trucks are suitable for any heavy duty application with a variety of options.

A wide range of capacities, engine power-outputs, wheelbases, masts, attachments and optional features is on offer, enabling customers to select the optimum solution for an extensive range of industrial application requirements. These industrial forklifts can be tailor made to the needs of any demanding and intensive operating environment.

Reliable proven components, low cost of ownership, fuel efficiency and outstanding driver comfort which deliver an excellent return on investment.



MANUFACTURER AND SUPPLIER OF PREMIUM QUALITY HEAVY DUTY FORKLIFT TRUCKS.





Found in 1990, IPO Ltd. operates in three business domains – manufacturing, consulting and distribution. The company is dedicated to delivering premium quality technology solutions for the machine building, mining, construction, agricultural and transport industries.

In the beginning of 2011 IPO Ltd. expanded its manufacturing portfolio with the design and production of own brand patented forklift trucks. They are distinguished with premium quality, innovative design and reliability, achieved by installation of high quality components - Perkins, Cummins, Yanmar, Dana, Graziano, Hella, Walvoil, etc.

The manufacturing business unit of forklift trucks in IPO Lifts emerges as a result of the company's long standing experience in the machine-building sector combined with an opportunity in the market for highly customized heavy duty loading equipment.

The 20+ years of experience in the design, production, repair and maintenance of equipment and spare parts for the mining, agriculture and road construction industries provides our manufacturing team with the vital know-how and expertise in the forklift concept development, design and building process.

Furthermore IPO Ltd. is an official dealer of leading manufacturers of diesel engines (Cummins and Yanmar), transmissions (Allison) and filtration systems (Fleetguard) for the local market. Having the access to premium quality components for the production of the forklifts provides an unparalleled advantage in achieving high levels of efficiency in the components selection and uncompromised performance achieved by the manufactured machines.





HIGH PERFORMANCE AND RELIABILITY







IPO Lifts are developed to meet the high demands for performance and reliability set by the market. The wide portfolio range of 3 to 32 tonnes load capacity of the machines means enabling customers to select the optimum solution for an extensive range of industrial application requirements. These industrial forklifts can be tailor made to the needs of any demanding and intensive operating environment. From the precision of a hydrostatic drive and reliable gearbox of the light forklifts to the robust design, specifically made for the most demanding applications - steel, metal, concrete, stone blocks, industrial sites, ports – IPO Lifts ensure excellent performance and productivity at optimum cost.

What sets our forklifts apart?

- Wide production range forklifts with lifting capacity from 3 to 32 tons
- Heavy duty off-road forklifts and front loaders
- Manufacturing of tailor-made forklifts in accordance with customer requirements
- High-quality machines with 12 month guarantee
- · High spare parts availability at stock
- · Warranty and aftermarket service
- Great variety of attachments and options
- Short lead time

Premium Quality Components

- The careful selection of premium quality components built in the forklifts ensures excellent performance, reliability and long exploitation life of the machines.
- Engines standard and specially built for their application in forklifts, delivering uncompromised reliability in performance, low consumption of fuel, long exploitation period and low noise levels and emissions, in full conformity with all EU directives.
- Premium quality driving axels, transmissions and hydraulic systems, ensuring easy and comfortable operation.
- Highly wear resistant tires with a long life expectancy, with excellent application in rough terrain operation conditions.

INNOVATIVE DESIGN IN VARIETY OF APPLICATIONS





Heavy duty forklifts with load capacity of 3 to 32 ton

IPO Lifts are distinguished with their wide variation in loading capacity and their innovative design, fully developed by our specialized engineering unit. Key focus of the product development team is the optimal fit of the produced forklifts for the particular loading and off-loading needs of our clients. Therefore, main priority in the production process is the development of machines, built according to the clients' specific requirements. This means that each manufactured forklift could be accustomed to a wide variety of parameters – off-road operation capability, lifting capacity, lifting height, etc.

Rough Terrain Forklifts - 4x4x4

IPO Lifts rough terrain forklifts are a reliable and versatile solution. They are distinguished by their productivity and security for all types of cargo handling on difficult and irregular terrain. Offering a wide range of off-road and semi-industrial models in the market, IPO Lifts 4x4 are perfect for virtually any rehandling environment from docks to yards, special events, timber forestry, construction sites and builders' merchants.

The machines have a greater turning radius and are supplied with both front and back driving axels – 4x4x4. The special features ensure they are designed for high mobility and superb productivity in rough terrain area.

Excellent performance in a variety of problematic conditions:

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



CORE TECHNOLOGIES AND COMPONENTS

STRENGTH AND DURABILITY

CHASSIS

- Chassis is manufactured from special metal plates, providing high strength and reliability of the structure.
- Regular load distribution over the entire structure.



MAST

- Robust mast and its bearing structure are providing high strength, maximum stability and hardness along the whole loading length.
- Perfect visibility.
- Big width of driving and secondary spools between mobile and fixed mast ensure even load distribution.



AXLE

- Mounted on the chassis by cardan shaft.
- Double acting cylinder is entirely protected from mechanical interventions.
- Hydraulic valves protecting double acting cylinder from overloading.
- Complete hydrostatic servo control provides excellent maneuverability without any drivers difficulties or fatigue.



POWER AND PERFORMANCE







DRIVING AXLE

- IPO Lifts are with double reduced driving heavy duty axle with main shifting initially and planetary wheel reducers secondary.
- Semi-shafts are mobile and are operating in bearings, set in oil, which are with autonomous independent cooling.
- Axle drive equipped with wet disc brakes performing in oil with service required.

ENGINE

- Modern turbocharged engines are used in order to cover latest emission and noise level regulations.
- High output, extended service intervals, low fuel consumption.

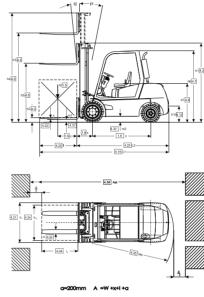
TRANSMISSION

- Heavy duty high performance industrial transmissions (directly mounted to the engine) are installed.
- Hydrodynamic transmissions are with 2 (3) forward shifts and 2 (3) rear shifts with electrical selection.





TECHNICAL SPECIFICATIONS AND PARAMETERS

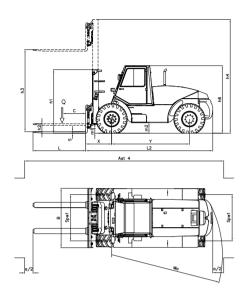


| | 1.1 | Manufacturer | | IPO-Lifts Ltd | IPO-Lifts Ltd | IPO-Lifts Ltd | IPO-Lifts Ltd | |
|------------------|------|--|--------------|----------------------|-------------------|-------------------|-------------------|--|
| _ | 1.2 | Туре | | IPO 30 | IPO 40 | IPO 40 | IPO 50 | |
| ē | 1.3 | Drive: elec., diesel, gasoline, LPG | | Diesel | Diesel | Diesel | Diesel | |
| dentification | 1.4 | Driver position: Seated | | Seated | Seated | Seated | Seated | |
| I | 1.5 | Load capacity | Q(t) | 3,00 | 4,00 | 4,00 | 5,00 | |
| ger | 1.6 | Load center | C (mm) | 500 | 500 | 600 | 600 | |
| _ | 1.7 | Distance from CL of front axle to fork face | X (mm) | 450 | 500 | 500 | 562 | |
| | 1.8 | Wheel base | Y (mm) | 1800 | 1800 | 1800 | 2000 | |
| ts | 2.1 | Weight - unladen | kg | 4520 | 5283 | 5673 | 6501 | |
| Weights | 2.2 | Axle weight laden, front / rear | kg | 6780/900 | 8394/889 | 8558/1115 | 10551/950 | |
| Ž | 2.3 | Axle weight unladen, front / rear | kg | 1920/2550 | 2171/3112 | 2113/3560 | 2646/3855 | |
| -Si | 3.1 | Tyre type: SE=Superelastic, L=Pneumatic | | L/L | SR | L/L | L/L | |
| has | 3.2 | Tyre size, front | | 8,15-15 PR 14 | 8,15-15 | 8,15-15 PR 14 | 250-15 PR 14 | |
| s, C | 3.3 | Tyre size, rear | | 6,5-10 PR 14 | 6,5-10 | 6,5-10 PR 14 | 23x9-10 PR 14 | |
| Wheels, Chasis | 3.4 | Wheels, front / rear (x=drive) | | 2X/2 | 2X/2 | 4X/2 | 2X/2 | |
| ₹ | 3.5 | Track, Spw1 / Spw2 front / rear | | 997/975 | 997/975 | 1255/974 | 1270/994 | |
| | 4.1 | Mast tilt angles, forward (a) / backward (b) | deg | 5/11 | 6/11 | 5/10 | 6/11 | |
| | 4.2 | Mast height - closed | h1 (mm) | 2240 | 2240 | 2240 | 2340 | |
| | 4.3 | Free lift | h2 (mm) | 130 | 130 | 130 | 130 | |
| | 4.4 | Lift | h3 (mm) | 3300 | 3300 | 3300 | 3300 | |
| ટ | 4.5 | Mast height - extended | h4 (mm) | 3825 | 3855 | 3855 | 3960 | |
| <u>.</u> | 4.6 | Full free lift, duplex / triplex | h5 (mm) | - | - | - | - | |
| eus | 4.7 | Heigh of overhead guard | h6 (mm) | 2210 | 2210 | 2210 | 2220 | |
| Basic Dimensions | 4.8 | Seat height | h7 (mm) | 1170 | 1170 | 1170 | 1180 | |
| O C | 4.9 | Length to fork face | L2 (mm) | 2910 | 2858 | 2918 | 3130 | |
| asi | 4.10 | Overall width | B (mm) | 1220 | 1220/1238 | 1220/1238 | 1500 | |
| ä | 4.11 | Fork dimension (thickness / wight / length) | s/e/l (mm) | 40x125x1150 | 45x125x1150 | 50x140x1150 | 50x140x1150 | |
| | 4.12 | Fork carriage to ISO 2328, Class A, B | | 3A | 3A | 3A | 3A | |
| | 4.13 | Ground clearance laden under mast | m1 (mm) | 140 | 140 | 140 | 140 | |
| | 4.14 | Ground clearance center of wheel base | m2 (mm) | 170 | 170 | 170 | 170 | |
| | 4.15 | Aisle wight pallet 800/1000 | R min (mm) | 3760 | 3900 | 4110 | 4110 | |
| | 4.16 | Turning radius, maximum | R max (mm) | 2560 | 2660 | 2710 | 2907 | |
| _ | 5.1 | Travel speed, laden / unladen | km / h | 19/20 | 18/19 | 18/19 | 20/22 | |
| lata | 5.2 | Lifting speed, laden / unladen | m/s | 0.36/0.5 | 0.34/0.5 | 0.34/0.5 | 0.34/0.4 | |
| Performance data | 5.3 | Lowering speed, laden / unladen | m/s | 0.45 max/0.45 min | 0.45 max/0.45 min | 0.45 max/0.45 min | 0.45 max/0.4 min | |
| E | 5.4 | Drawbar, pull, laden / unladen | kN | 17/17 | 25/25 | 37/37 | 39/39 | |
| ģ | 5.5 | Gradeability laden / unladen | % | 22/22 | 26/22 | 26/22 | 26/32 | |
| Pe | 5.6 | Service brake, type | | Hydraulic | Hydraulic | Hydraulic | Hydraulic | |
| | 5.7 | Parking brake, type | | Hand | Hand | Hand | Hand | |
| as a | 6.1 | Engine manufacture / type | | Perkins 404D-22T | Perkins 1104D-44T | Perkins 1104D-44T | Perkins 1104D-44T | |
| Ë | 6.2 | Engine output to ISO 1585 | kW | 43 | 62,5 | 62,5 | 62,5 | |
| Engine | 6.3 | Rated speed rotation | 1/min | 2500 | 2200 | 2200 | 2200 | |
| | 6.4 | Cylinders / displacement | /cm3 | 4/2200 | 4/4400 | 4/4400 | 4/4400 | |
| _ & | 7.2 | Transmision manufacturer / type | * | Graziano PST 1 | Graziano PST 1 | Graziano PST 2 | Graziano PST 2 | |
| Other Details | 7.3 | Coupling | | hydrodynamic 1/1 | hydrodynamic 1/1 | hydrodynamic 2/2 | hydrodynamic 2/2 | |
| | 7.4 | Working pressure for attachments | bar | 180 | 180 | 180 | 180 | |

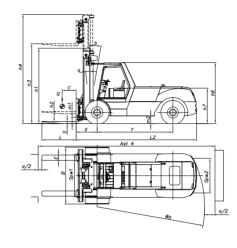
| | | | | D | (G) 30;35;4 | 40 | | | |
|-----|------|------|------|------|-------------|------|---------|------|------|
| | | sim | plex | | | | triplex | | |
| h3 | 3700 | 4000 | 4500 | 5000 | 4300 | 4800 | 5100 | 5500 | 6000 |
| h1 | 2440 | 2590 | 2840 | 3190 | 2060 | 2220 | 2340 | 2460 | 2630 |
| h4 | 4225 | 4525 | 5025 | 5525 | 4760 | 5260 | 5600 | 5960 | 6470 |
| h2 | 130 | 130 | 130 | 130 | 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 |



TECHNICAL SPECIFICATIONS AND PARAMETERS



| | 1.1 | Manufacturer | | IPO-Lifts Ltd | IPO-Lifts Ltd | IPO-Lifts Ltd | |
|------------------|------|---|-----------------|-------------------|-------------------|-------------------|--|
| _ | 1.2 | Туре | | IPO 40 DR | IPO 50 DR | IPO 70 DR | |
| dentification | 1.3 | Drive: elec., diesel, gasoline, LPG | | Diesel | Diesel | Diesel | |
| ic a | 1.4 | Driver position: Seated | | Seated | Seated | Seated | |
| ≒ | 1.5 | Load capacity | Q(t) | 4,00 | 5,00 | 7,00 | |
| 흥 | 1.6 | Load center | C (mm) | 600 | 600 | 600 | |
| _ | 1.7 | Distance from CL of front axle to fork face | X (mm) | 850 | 785 | 968 | |
| | 1.8 | Wheel base | Y (mm) | 2200 | 2200 | 2700 | |
| \$ | 2.1 | Weight - unladen | kg | 7800 | 8700 | 10800 | |
| Weights | 2.2 | Axle weight laden, front / rear | kg | 9900/1300 | 12300/1400 | 13620/1800 | |
| Š | 2.3 | Axle weight unladen, front / rear | kg | 3120/4400 | 4200/4500 | 5280/5220 | |
| is. | 3.1 | Tyre type: SE=Superelastic, L=Pneumatic | | L/L | L/L | L/L | |
| Wheels, Chasis | 3.2 | Tyre size, front | | 365/80 R 20 | 365/80 R 20 | 18.0x22.5 | |
| <u>\$</u> | 3.3 | Tyre size, rear | | 365/80 R 20 | 365/80 R 20 | 18.0x22.5 | |
| hee | 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 | |
| | 4.1 | Mast tilt angles, forward (a) / backward (b) | deg | 10/12 | 10/12 | 10/12 | |
| | 4.2 | Mast height - closed | h1 (mm) | 2480 | 2500 | 2845 | |
| SI | 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 | |
| S | 4.6 | Full free lift, duplex / triplex | h5 (mm) | - | - | - | |
| Basic Dimensions | 4.7 | Heigh 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 / wight / length) | s/e/l (mm) | 50x120x1200 | 50x120x1200 | 70x150x1200 | |
| _ ~ | 4.12 | Fork carriage to ISO 2328, Class A, B | | 4A | 4A | 4A | |
| | 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 | |
| ta a | 5.1 | Travel speed, laden / unladen | km / h | 24/27 | 24/27 | 24/27 | |
| Performance data | 5.2 | Lifting speed, laden / unladen | m/s | 0.40/0.50 | 0.40/0.50 | 0.40/0.50 | |
| 99 | 5.3 | Lowering speed, laden / unladen | m/s | 0.60/0.40 | 0.60/0.40 | 0.60/0.40 | |
| Jar | 5.4 | Drawbar, pull, laden / unladen | kN | 58/45 | 66/55 | 72/65 | |
| | 5.5 | Gradeability laden / unladen | % | 26/32 | 26/32 | 26/32 | |
| erf | 5.6 | Service brake, type | | Hydraulic | Hydraulic | Hydraulic | |
| _ | 5.7 | Parking brake, type | | Hand | Hand | Hand | |
| a) | 6.1 | Engine manufacture / type | | Perkins 1104D-44T | Perkins 1104D-44T | Perkins 1104D-44T | |
| Engine | 6.2 | Engine output to ISO 1585 | kW | 62 | 62 | 74 | |
| ᇤ | 6.3 | Rated speed rotation | 1/min | 2200 | 2200 | 2200 | |
| | 6.4 | Cylinders / displacement | /cm3 | 4/4400 | 4/4400 | 4/4400 | |
| SE SE | 7.1 | Fuel tank capacity | | 140 | 140 | 190 | |
| Deta | 7.2 | Transmision manufacturer / type | * | DANA/T12000 | DANA/T12000 | DANA/T12000 | |
| Other Details | 7.3 | Coupling | | hydrodynamic 3/3 | hydrodynamic 3/3 | hydrodynamic 3/3 | |
| J | 7.4 | Working pressure for attachments | bar | 180 | 180 | 180 | |



| | 1.1 | Manufacturer | | IPO-Lifts Ltd | IPO-Lifts Ltd | IPO-Lifts Ltd | IPO-Lifts Ltd | |
|------------------|------|--|--------------|------------------------|------------------------|------------------------|------------------------|--|
| | 1.2 | Туре | | IPO 160 D | IPO 200 D | IPO 250 D | IPO 320 D | |
| <u>.</u> | 1.3 | Drive: elec., diesel, gasoline, LPG | | Diesel | Diesel | Diesel | Diesel | |
| dentification | 1.4 | Driver position: Seated | | Seated | Seated | Seated | Seated | |
| I≝ | 1.5 | Load capacity | Q(t) | 16,00 | 20,00 | 25,00 | 32,00 | |
| en | 1.6 | Load center | C (mm) | 1200 | 1200 | 1200 | 1200 | |
| 2 | 1.7 | Distance from CL of front axle to fork face | X (mm) | 1010 | 1160 | 1160 | 1210 | |
| | 1.8 | Wheel base | Y (mm) | 3620 | 4000 | 4200 | 4500 | |
| | 2.1 | Weight - unladen | kg | 23600 | 31120 | 35500 | 48300 | |
| Weights | 2.2 | Axle weight laden, front / rear | kg | 36350/3250 | 47500/3620 | 55820/4680 | 72440/7860 | |
| ≷ | 2.3 | Axle weight inden, front / rear | kg | 10500/13100 | 16900/14220 | 17040/18460 | 22218/26082 | |
| | 3.1 | Tyre type: SE=Superelastic, L=Pneumatic | ng | L/L | L/L | L/L | L/L | |
| asis | 3.2 | Tyre size, front | | 12.00-20 | 14.00-24 PR28 | 16.00-25 | 18.00-25 | |
| 5 | | | | 12.00-20 | | | | |
| Wheels, Chasis | 3.3 | Tyre size, rear | | | 14.00-24 PR28 | 16.00-25 | 18.00-25 | |
| l e | 3.4 | Wheels, front / rear (x=drive) | | 4X/2 | 4X/2 | 4X/2 | 4X/2 | |
| | 3.5 | Track, Spw1 / Spw2 front / rear | | 2020/1810 | 2210/2010 | 2240/2010 | 2440/2510 | |
| | 4.1 | Mast tilt angles, forward (a) / backward (b) | deg | 6/10 | 6/10 | 6/10 | 6/10 | |
| | 4.2 | Mast height - closed | h1 (mm) | 3600 | 3500 | 3950 | 4600 | |
| | 4.3 | Free lift | h2 (mm) | 200 | 200 | 250 | 320 | |
| | 4.4 | Lift | h3 (mm) | 4000 | 4000 | 4000 | 4000 | |
| 2 | 4.5 | Mast height - extended | h4 (mm) | 5550 | 5950 | 5950 | 6600 | |
| <u>.</u> | 4.6 | Full free lift, duplex | h5 (mm) | - | - | - | - | |
| i si s | 4.7 | Heigh of overhead guard | h6 (mm) | 2900 | 3150 | 3200 | 3250 | |
| 3asic Dimensions | 4.8 | Seat height | h7 (mm) | 1690 | 1860 | 1860 | 1910 | |
| 0 | 4.9 | Length to fork face | L2 (mm) | 5760 | 6360 | 6360 | 6750 | |
| SE | 4.10 | Overall width | B (mm) | 2720 | 3060 | 3060 | 3600 | |
| Ba | 4.11 | Fork dimension (thickness / wight / length) | s/e/l (mm) | 100x250x2400 | 110x250x2400 | 110x250x2400 | 115x310x2400 | |
| | 4.12 | Fork carriage to ISO 2328, Class A, B | | Fork positioner | Fork positioner | Fork positioner | Fork positioner | |
| | 4.13 | Ground clearance laden under mast | m1 (mm) | 300 | 300 | 300 | 300 | |
| | 4.14 | Ground clearance center of wheel base | m2 (mm) | 360 | 380 | 500 | 500 | |
| | 4.15 | Aisle wight pallet 1000/1200 | R min (mm) | 8800 | 9450 | 9650 | 10300 | |
| | 4.16 | Turning radius, maximum | R max (mm) | 5350 | 6200 | 6200 | 6700 | |
| 25 | 5.1 | Travel speed, laden / unladen | km / h | 23/25 | 25/30 | 25/30 | 25/30 | |
| Performance data | 5.2 | Lifting speed, laden / unladen | m/s | 0.35/0.40 | 0.25/0.29 | 0.25/0.29 | 0.25/0.29 | |
| 9 | 5.3 | Lowering speed, laden / unladen | m/s | 0.5/0.3 | 0.45 max/0.40 min | 0.45 max/0.40 min | 0.45 max/0.40 min | |
| a | 5.4 | Drawbar, pull, laden / unladen | kN | 95/110 | 130/180 | 130/180 | 170/210 | |
| | 5.5 | Gradeability laden / unladen | % | 25/23 | 28/25 | 28/25 | 28/25 | |
| l 분 | 5.6 | Service brake, type | | Hydraulic | Hydraulic | Hydraulic | Hydraulic | |
| _ a _ | 5.7 | Parking brake, type | | Hydraulic | Hydraulic | Hydraulic | Hydraulic | |
| a | 6.1 | Engine manufacture / type | | Perkins 1106D-E66TA | Perkins 1106D-E66TA | Perkins 1106D-E66TA | Perkins 1106D-E66TA | |
| Engine | 6.2 | Engine output to ISO 1585 | kW | 120 | 168 | 168 | 220 | |
| 핍 | 6.3 | Rated speed rotation | 1/min | 2200 | 2200 | 2200 | 2200 | |
| | 6.4 | Cylinders / displacement | /cm3 | 6/6600 | 6/6600 | 6/6600 | 6/6600 | |
| | 7.2 | Transmision manufacturer / type | * | DANA/T20000 | DANA/HR32000 | DANA/HR32000 | DANA/HR36000 | |
| Other Details | 7.3 | Coupling | | hydrodynamic 3/3 | hydrodynamic 4/4 | hydrodynamic 4/4 | hydrodynamic 4/4 | |
| 0 5 | 7.4 | Working pressure for attachments | bar | 210 | 210 | 210 | 210 | |
| | | | | | | | | |

| | | | | | D (G) 50 | | | | |
|-----|------|------|------|------|----------|------|---------|------|------|
| | | sim | plex | | | | 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 | 130 | 130 | 130 | 130 | 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 |

| | | D 160 | | | D 200 | | | D 250 | | | | D 320 | | | | | |
|---|----|--------|------|------|-------|--------|------|-------|--------|------|------|-------|--------|------|------|------|------|
| | | duplex | | | | duplex | | | duplex | | | | duplex | | | | |
| ŀ | 13 | 4500 | 5000 | 5500 | 6000 | 4500 | 5000 | 5500 | 6000 | 4500 | 5000 | 5500 | 6000 | 4500 | 5000 | 5500 | 6000 |
| ŀ | n1 | 3800 | 4050 | 4300 | 4550 | 4200 | 4450 | 4700 | 4950 | 4200 | 4450 | 4700 | 4950 | 4850 | 5100 | 5350 | 5600 |
| ı | ո4 | 5150 | 5650 | 6150 | 6650 | 6450 | 6950 | 7450 | 7950 | 6450 | 6950 | 7450 | 7950 | 7100 | 7600 | 8100 | 8600 |
| ŀ | 12 | 190 | 190 | 190 | 190 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 320 | 320 | 320 | 320 |
| а | /b | 6/10 | 6/10 | 3/5 | 3/5 | 6/10 | 6/10 | 3/5 | 3/5 | 6/10 | 6/10 | 3/5 | 3/5 | 6/10 | 6/10 | 3/5 | 3/5 |



SUPERIOR COMFORT AND ERGONOMICS







Operator comfort and high productivity during exploitation of the forklifts are key priorities in the design process.

- The full hydrostatic driving system allows high maneuverability of the machines avoiding any difficulty in exploitation.
- Low vibration levels are achieved by the cabin module being mounted to the chassis on its own rubber pads.
- All forklifts are equipped with adjustable seats with a belt and armrests for high level of operator's comfort and perfect visibility in all directions

Optional equipment

- · Heated, soundproofed cabin.
- Air-conditioner, spark retainer, automatic shifting, etc.
- Great variety of attachments manufactured by KAUP, CASCADE, etc.

OPERATOR SAFETY

Uncompromised operator health and safety of IPO Lifts is ensured through full compliancy with all safety requirements - ROPS & FOPS STANDARD. All forklifts are subject to functional, agility and stability tests carried out by an external authorized agency.

- · All devices and signals are concentrated on adjustable steering panel.
- · Hydraulic safety valves in the brake pedal, control system, hydraulic distributors, etc.
- · Control valve for lifting and lowering gears.
- · Safety valves in lifting cylinders.
- · Valve regulating mast gradient.
- Valve monitoring fork speed and preventing gun-controlled movement with load.
- Drive direction shift with an embedded protector for engine start when in neutral position.
- Sound signal during rear drive.
- Signal lamp on when forklift is in operation.





CERTIFICATE

QUALITY CONTROL ASSURED

Modern and fully equipped quality control facilities for incoming, preventive and final control over the manufacturing process guarantees the premium quality of the forklifts. An excellently trained team of highly critical specialists carry out all quality control procedures as well as standard testing of the final machine – maximum load capacity, maximum spead laden, maximum lifting height, etc.

Warranty

All machines are offered with a standard 1 year guarantee. An extension of the warranty period to 2 years is available subject to additional payment. The warranty and post-warranty service of the machines is carried out only by our qualified forklift production team.

The quality of the manufactured products by IPO Lifts is guaranteed by the successfully implemented system ISO 9001:2008, by application of input control, selection of optimal technology, control over functional and technical parameters at various stages of the production cycle, as well as output control of the final products.



IPO - LIFTS LTD.

6, Teofan Raynov Str., 4300 Karlovo, Bulgaria

Bureau Veritas Certification certify that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standard detailed below

Standard

ISO 9001:2008

Scope of certification

Design, manufacturing, service, repair and trade of forklifts, electric forklifts and mining machines. Manufacturing and trade of their respective spare parts and consumables.

Certification cycle start date: 07 August 2014

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: 06 August 2017

Original certification date: 07 August 2014

Certificate No: BG120309Q

Version 1, Revision date: 07 August 2014

Cayna Catarova Technical Manager Bureau Varitas Certification Bulgaria

Certification body address: Brandon House, 180 Borough High Street, London SE1 1LB, United Kingdon Local Office: 81A, Bulgaria Blvd., 1404 Sofia, Bulgaria



Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by contacting the organization. To check this certificate validity please cal: +359 (2) 983 60 44

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Forklift Technologies



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