

NOBLELIFT

FE4P25Q-35Q

Four wheel Li-iron Electric Forklift



NEW / *Noblelift Products*
ARRIVAL

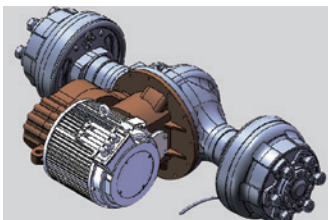
NOBLELIFT INTELLIGENT EQUIPMENT CO., LTD

Product Introduction

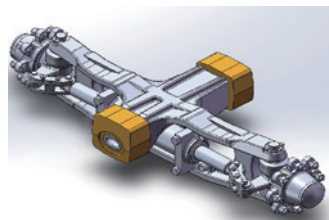
- The FE4P25Q-35Q is a cost-effective electric forklift with combination of the traditional Internal Combustion forklift and lithium-iron powered electric forklift, it has the characteristics of large driving space and comfortable operation. The standard configuration is lithium iron phosphate (LFP) battery with efficient fast charging. Optional different battery capacities: the standard configuration is 80V200Ah, optional 80V300Ah and 400Ah.
- Standard full AC control system and optional fleet management system. Standard REMA/Anderson connection for charging, optional automotive type intelligent plug-in high frequency charging technology.
- The truck adopt similar design of the Internal Combustion forklift with spacious operation space and comfort. The mast system, front and rear axles as well as the durability of chassis is similar to traditional Internal Combustion forklift. The truck combined the durability of Internal Combustion forklift with layout advantage of Li-iron electric forklift, so that the truck's weight is light and gravity center is optimized, therefore the overall energy consumption is effectively improved.



Excellent Design and Performance



Drive system uses a horizontal fan-shaped drive axle arranged in parallel with a large transmission ratio. The battery is located at the bottom of chassis, the truck has good stability. Drive motor uses AC maintenance-free motor. Long wheelbase(1700mm)design, better stability.



Integrally forged Integrated steering axle, with shock mitigation system with excellent driving comfort and prolongs the service life.



Lifting Motor located in high position so the truck can work in applications where there are water on the ground.



Ergonomically designed LED display with large screen and great visibility for easy control and operation with all around truck status information.



Big diameter tyres with better performance for outdoor applications, and comfortable driving experience, optional to have solid tyres.



Simplified structure for easy maintenance



Simplified structure without compromising on the strength, makes the truck looks stronger.



Controller assembly located on higher position for easy ventilation and maintenance.

Standard Lithium power, high efficiency

Q Series Forklift Lithium battery option (LFP)		
Model	Standard	Optional
FE4P25—28Q	206Ah	277/412/544Ah
FE4P30Q	206Ah	277/412/544Ah
FE4P35Q	277Ah	412/544Ah



All lithium-iron batteries are equipped built-in battery management system(BMS) that manages all important data during charging and discharging. The management of the battery by BMS can ensure the safety of the battery throughout its life cycle. **Lithium-iron batteries have been certified for safe transportation(by air and sea)and operating standards.** BMS communicates with the truck management system through CAN. CAN protocol CAN monitor the battery and diagnose and repair the battery through specific software.

FE4P25Q—35Q	
Workable for Models	Standard
Nominal Battery Capacity	277/412/544Ah
Voltage	76.8V
Cell Chemistry	Lithium/Iron Phosphate
Operating Temperatue	-20 °C ~ + 55 °C
Optional Charger	76.8V /65A(76.8V/100A/150A/200A)
Charging time	2-3H
Operating Temperature for charger	0°C~55°C -20°C~55°C (With auxiliary heating function)

Lithium battery advantages

FAST CHARGING

Charge your battery whenever and wherever you need

ENVIRONMENT-FRIENDLY

Charge your battery whenever and wherever you need

SAFETY

Efficient, Maintenance-free



Fast charging with battery fully charged in 2-3 hours. The intelligent high frequency charger with automobile charging technology has a working efficiency of more than 95%, which is much higher than the 80% working efficiency of traditional low frequency charger.



Optional: automotive type intelligent plug-in charging gun with high frequency charging technology. **Note: press the "stop" button of the charger before pulling the gun.**



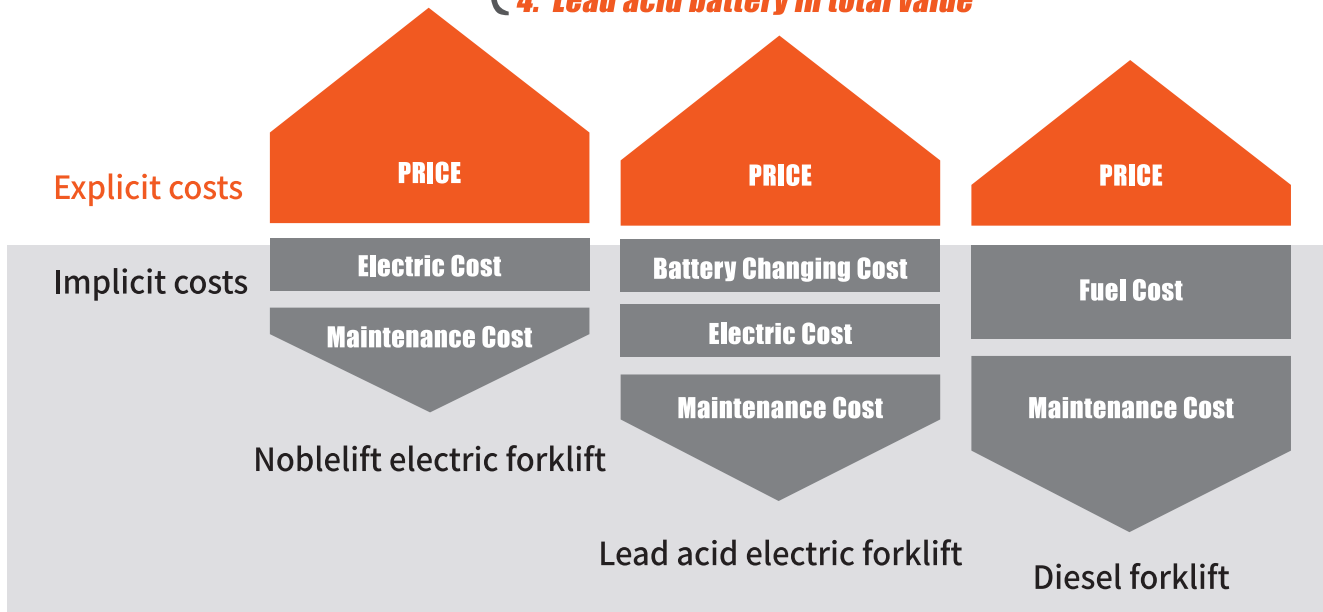
Standard: REMA/Anderson plugin.

Operation Cost

Li-ion electric forklift VS lead acid electric forklift VS diesel forklift

1. Lithium battery

- 2. Lead acid battery in productivity
- 3. Lead acid battery in life cycle
- 4. Lead acid battery in total value





Easy Operation, Excellent View



The truck adopts long tiller ratchet parking brake design for easy operation.



Ratchet-type parking brake allows the truck stay at the slope of 15% without safety concern.



Combination switch as automotive, the seat can be adjusted back and forth so that the operator can choose the ideal driving position.



U design of steering wheel, front-located multi-way valve operating device makes the operation effortless and comfortable.



Wide view through the optimized mast and hydraulic design, the forks with intelligent buffer, protect the ground and goods from damage from hitting the ground.

Mast Table FE4P25—28Q

Designation	Lift height		Free Lift		Closed mast height		Extended mast height		Tilt forward/backward		Capacity table(kg) C=500mm without sideshift, single pneumatic tyres	
	h3 (mm)		h2 (mm)		h1 (mm)		h4 (mm)		$\alpha / \beta(^{\circ})$			
	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q
Two-stage ZT	2000	2000	130	135	1555	1555	2974	3079	6/10	6/10	2500	2800
	2500	2500	130	135	1865	1865	3474	3579	6/10	6/10	2500	2800
	3000	3000	130	135	2055	2055	3974	4079	6/10	6/10	2500	2800
	3300	3300	130	135	2205	2205	4274	4379	6/10	6/10	2500	2800
	3500	3500	130	135	2305	2305	4474	4579	6/10	6/10	2500	2700
	3600	3600	130	135	2355	2355	4574	4679	6/10	6/10	2500	2700
	3700	3700	130	135	2405	2405	4674	4779	6/10	6/10	2500	2700
	4000	4000	130	135	2605	2605	4974	5079	6/6	6/6	2450	2650
	4300	4300	130	135	2755	2755	5274	5379	6/6	6/6	2100	2500
	4500	4500	130	135	2855	2855	5474	5579	6/6	6/6	2000	2250
5000	5000	130	135	3105	3105	5974	6079	6/6	6/6	1600	2050	
Two-stage ZZ	2000	2000	631	491	1555	1555	2968	3079	6/10	6/10	2500	2800
	2500	2500	881	741	1805	1805	3468	3579	6/10	6/10	2500	2800
	3000	3000	1131	991	2055	2055	3968	4079	6/10	6/10	2500	2800
	3300	3300	1281	1141	2205	2205	4268	4379	6/10	6/10	2500	2800
	3500	3500	1381	1241	2305	2305	4468	4579	6/10	6/10	2500	2700
	3600	3600	1431	1291	2355	2355	4568	4679	6/10	6/10	2500	2700
	3700	3700	1481	1341	2405	2405	4668	4779	6/6	6/6	2500	2700
	4000	4000	1681	1541	2605	2605	4968	5079	6/6	6/6	2400	2600
Three-stage DZ	4000	4000	1056	916	1980	1980	4978	5079	6/6	6/6	2300	2550
	4350	4300	1181	1041	2105	2105	5328	5379	6/6	6/6	2000	2400
	4500	4500	1231	1091	2155	2155	5476	5579	6/6	6/6	1900	2200
	4800	4800	1331	1191	2255	2255	5776	5879	6/6	6/6	1600	2100
	5000	5000	1474	1334	2398	2398	5976	6079	6/6	6/6	1500	2000
	5500	5500	1708	1568	2647	2647	6476	6579	3/6	3/6	1150	1500
	6000	6000	1941	1801	2865	2865	6976	7079	3/6	3/6	800	1100
	6500	6500	2174	2034	3098	3098	7476	7579	3/3	3/3	500	750

Free lift height (no load-backrest) +425mm

Mast Table FE4P30—35Q

Designation	Lift height		Free Lift		Closed mast height		Extended mast height		Tilt forward/backward		Capacity table(kg) C=500mm without sideshift, single pneumatic tyres	
	h3 (mm)		h2 (mm)		h1 (mm)		h4 (mm)		$\alpha / \beta(^{\circ})$			
	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q
Two-stage ZT	2000	2000	135	140	1570	1680	3079	3079	6/10	6/10	3000	3500
	2500	2500	135	140	1820	1930	3579	3579	6/10	6/10	3000	3500
	3000	3000	135	140	2070	2180	4079	4079	6/10	6/10	3000	3500
	3300	3300	135	140	2220	2330	4379	4379	6/10	6/10	3000	3500
	3500	3500	135	140	2320	2430	4579	4579	6/10	6/10	3000	3500
	3600	3600	135	140	2370	2480	4679	4679	6/10	6/10	3000	3500
	3700	3700	135	140	2420	2530	4779	4779	6/10	6/10	2950	3250
	4000	4000	135	140	2620	2730	5079	5079	6/6	6/6	2850	3000
	4300	4300	135	140	2770	2880	5379	5379	6/6	6/6	2700	2800
	4500	4500	135	140	2870	2980	5579	5579	6/6	6/6	2500	2600
5000	5000	135	140	3120	3230	6079	6079	6/6	6/6	2100	2200	
Two-stage ZZ	2000	2000	563	491	1545	1570	3079	3079	6/10	6/10	3000	3500
	2500	2500	813	741	1795	1820	3579	3579	6/10	6/10	3000	3500
	3000	3000	1063	991	2045	2070	4079	4079	6/10	6/10	3000	3500
	3300	3300	1213	1141	2195	2220	4379	4379	6/10	6/10	3000	3500
	3500	3500	1313	1241	2295	2320	4579	4579	6/10	6/10	3000	3500
	3600	3600	1363	1291	2345	2370	4679	4679	6/10	6/10	3000	3500
	3700	3700	1413	1341	2395	2420	4779	4779	6/6	6/6	3000	3500
	4000	4000	1613	1541	2595	2620	5079	5079	6/6	6/6	2850	3200
Three-stage DZ	4000	4000	988	916	1970	1970	5079	5079	6/6	6/6	2750	3200
	4350	4300	1113	1041	2095	2095	5379	5379	6/6	6/6	2600	3000
	4500	4500	1163	1091	2145	2145	5579	5579	6/6	6/6	2400	3000
	4800	4800	1263	1191	2245	2245	5879	5879	6/6	6/6	2200	2500
	5000	5000	1406	1334	2388	2388	6079	6079	6/6	6/6	2000	2400
	5500	5500	1640	1568	2622	2622	6579	6579	3/6	3/6	1500	1750
	6000	6000	1873	1801	2855	2855	7079	7079	3/6	3/6	1200	1250
	6500	6500	2107	2034	3088	3088	7579	7579	3/3	3/3	800	900

Free lift height (no load-backrest) +425mm

Type sheet for industrial truck acc. to VDI 2198

1KG=2.2LB 1INCH=25.4MM

Identification						
1.2	Manufacturer's type designation		FE4P25Q	FE4P25Q2	FE4P25QY	FE4P25QH
1.3	Drive:electric(battery or mains),diesel,petrol gas,manual)		electric	electric	electric	electric
1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		seated	seated	seated	seated
1.5	Load capacity/rated load	Q(kg)	2500	2500	2500	2500
1.6	Load centre distance	c(mm)	500	500	500	500
1.8	Load distance,centre of drive axle to fork	x(mm)	478	478	478	478
1.9	wheelbase	y(mm)	1620	1620	1620	1620
Weights						
2.1	Service weight incl. battery	kg	3600	3600	3600	3800
2.2	Axle loading ,laden front/rear	kg	5500/600	5500/600	5500/600	5660/640
2.3	Axle loading,unladen front/rear	kg	1540/2060	1540/2060	1540/2060	1620/2180
Wheels\ Chassis						
3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		pneumatic	pneumatic	pneumatic	pneumatic
3.2	Tyres size,front		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
3.3	Tyres size,rear		6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR
3.5	Wheels,number front/rear(×=driven wheels)		2×/2	2×/2	2×/2	2×/2
3.6	Track width,front	b10(mm)	973	973	973	973
3.7	Track width,rear	b11(mm)	982	982	982	982
Basic Dimensions						
4.1	Mast/fork carriage tilt forward/backward	$\alpha/\beta(^{\circ})$	6/10	6/10	6/10	6/10
4.2	lowered mast height	h1(mm)	2070	2070	2070	2070
4.3	Free lift	h2(mm)	135	135	135	135
4.4	Lift height	h3(mm)	3000	3000	3000	3000
4.5	Extended mast height	h4(mm)	3974	3974	3974	3974
4.7	Overhead load guardheight	h6(mm)	2150	2150	2150	2150
4.8	Seat height/standing height	h7(mm)	1130	1130	1130	1130
4.12	Coupling height	h10(mm)	580	580	580	580
4.19	Overall length	l1(mm)	3568	3568	3568	3663
4.20	Length to face of forks	l2(mm)	2498	2498	2498	2593
4.21	Overall width	b1(mm)	1150	1150	1150	1150
4.22	Fork dimensions	s/e/l(mm)	40/120/1070	40/120/1070	40/120/1070	40/120/1070
4.24	Fork carriage width	b3(mm)	1040	1040	1040	1040
4.31	Ground clearance ,laden,under mast	m1(mm)	135	135	135	135
4.32	Ground clearance,centre of wheelbase	m2(mm)	150	150	150	150
4.33	Aisle width for pallets 1000×1200 crossways	Ast(mm)	3908	3908	3908	3908
4.34	Aisle width for pallets 800×1200 lengthways	Ast(mm)	4108	4108	4108	4108
4.35	Turning radius	Wa(mm)	2230	2230	2230	2230
Performance Data						
5.1	Travel speed,laden/unladen	km/h	13/14	13/14	14/15	18/20
5.2	Lift speed,laden/unladen	m/s	0.26/ 0.34	0.26/ 0.34	0.35/0.40	0.44/0.52
5.3	lowering speed,laden/unladen	m/s	<0.6	<0.6	<0.6	<0.6
5.5	Drawbar pull,laden/unladen S2 60 min	N	13000/14000	13000/14000	15000/16000	17000/18000
5.7	Max.Gradient performance,laden/unladen S2 5 min	%	15/15	15/15	15/15	20/28
5.10	Service brake		hydraulic	hydraulic	hydraulic	hydraulic
E-Motor						
6.1	Drive motor rating S2 60 min	kW	11	11	15.3	15
6.2	Lift motor rating at S3 15%	kW	16	16	22.6	24
6.3	Battery standard		Lion	lead-acid	Lion	Lion
6.4	Battery voltage,nominal capacity K5	V/Ah	76.8/206 option:76.8/277/412/554	80/400	76.8/206 option:76.8/277/412/554	76.8/277 option:76.8/412/554
6.5	Battery weight	kg	200	1090	200	240
	Battery dimensions l/w/h	mm	770/600/680	812/640/760	770/600/680	770/600/680
Other Details						
8.1	Type of drive control		AC	AC	permanent magnet	AC
8.2	Operating pressure for attachments	Mpa	17.5	17.5	17.5	17.5
8.3	Oil volume for attachments	l/min	36	36	36	36
8.4	Sound level at driver's ear according to EN 12 053	dB(A)	74	74	74	74

Type sheet for industrial truck acc. to VDI 2198

1KG=2.2LB 1INCH=25.4MM

Identification						
1.2	Manufacturer's type designation		FE4P28Q	FE4P28Q2	FE4P28QY	FE4P28QH
1.3	Drive:electric(battery or mains),diesel,petrol gas,manual)		electric	electric	electric	electric
1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		seated	seated	seated	seated
1.5	Load capacity/rated load	Q(kg)	2800	2800	2800	2800
1.6	Load centre distance	c(mm)	500	500	500	500
1.8	Load distance,centre of drive axle to fork	x(mm)	483	483	483	483
1.9	wheelbase	y(mm)	1700	1700	1700	1700
Weights						
2.1	Service weight incl. battery	kg	3860	3860	3860	4100
2.2	Axle loading ,laden front/rear	kg	6010/650	6010/650	6010/650	6160/690
2.3	Axle loading,unladen front/rear	kg	1680/2180	1680/2180	1680/2180	1680/2180
Wheels\ Chassis						
3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		pneumatic	pneumatic	pneumatic	pneumatic
3.2	Tyres size,front		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
3.3	Tyres size,rear		6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR
3.5	Wheels,number front/rear(×=driven wheels)		2×/2	2×/2	2×/2	2×/2
3.6	Track width,front	b10(mm)	973	973	973	973
3.7	Track width,rear	b11(mm)	982	982	982	982
Basic Dimensions						
4.1	Mast/fork carriage tilt forward/backward	$\alpha/\beta(^{\circ})$	6/10	6/10	6/10	6/10
4.2	lowered mast height	h1(mm)	2070	2070	2070	2070
4.3	Free lift	h2(mm)	140	140	140	140
4.4	Lift height	h3(mm)	3000	3000	3000	3000
4.5	Extended mast height	h4(mm)	4079	4079	4079	4079
4.7	Overhead load guardheight	h6(mm)	2150	2150	2150	2150
4.8	Seat height/standing height	h7(mm)	1130	1130	1130	1130
4.12	Coupling height	h10(mm)	580	580	580	580
4.19	Overall length	l1(mm)	3663	3663	3663	3663
4.20	Length to face of forks	l2(mm)	2593	2593	2593	2593
4.21	Overall width	b1(mm)	1150	1150	1150	1150
4.22	Fork dimensions	s/e/l(mm)	45/125/1070	45/125/1070	45/125/1070	45/125/1070
4.24	Fork carriage width	b3(mm)	1100	1100	1100	1100
4.31	Ground clearance ,laden,under mast	m1(mm)	135	135	135	135
4.32	Ground clearance,centre of wheelbase	m2(mm)	150	150	150	150
4.33	Aisle width for pallets 1000×1200 crossways	Ast(mm)	3933	3933	3933	3933
4.34	Aisle width for pallets 800×1200 lengthways	Ast(mm)	4133	4133	4133	4133
4.35	Turning radius	Wa(mm)	2350	2350	2350	2350
Performance Data						
5.1	Travel speed,laden/unladen	km/h	13/14	13/14	14/15	18/20
5.2	Lift speed,laden/unladen	m/s	0.26/ 0.34	0.26/ 0.34	0.35/0.40	0.44/0.52
5.3	lowering speed,laden/unladen	m/s	<0.6	<0.6	<0.6	<0.6
5.5	Drawbar pull,laden/unladen S2 60 min	N	13000/14000	13000/14000	15000/16000	17000/18000
5.7	Max.Gradient performance,laden/unladen S2 5 min	%	15/15	15/15	15/15	20/28
5.10	Service brake		hydraulic	hydraulic	hydraulic	hydraulic
E-Motor						
6.1	Drive motor rating S2 60 min	kW	11	11	15.3	15
6.2	Lift motor rating at S3 15%	kW	16	16	22.6	24
6.3	Battery standard		Lion	lead-acid	Lion	Lion
6.4	Battery voltage,nominal capacity K5	V/Ah	76.8/206 option:76.8/277/412/554	80/400	76.8/206 option:76.8/277/412/554	76.8/277 option:76.8/412/554
6.5	Battery weight	kg	200	1090	200	240
	Battery dimensions l/w/h	mm	770/600/680	812/640/760	770/600/680	770/600/680
Other Details						
8.1	Type of drive control		AC	AC	permanent magnet	AC
8.2	Operating pressure for attachments	Mpa	17.5	17.5	17.5	17.5
8.3	Oil volume for attachments	l/min	36	36	36	36
8.4	Sound level at driver's ear according to EN 12 053	dB(A)	75	75	75	75

Type sheet for industrial truck acc. to VDI 2198

1KG=2.2LB 1INCH=25.4MM

Identification						
1.2	Manufacturer's type designation		FE4P30Q	FE4P30Q2	FE4P30QY	FE4P30QH
1.3	Drive:electric(battery or mains),diesel,petrol gas,manual)		electric	electric	electric	electric
1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		seated	seated	seated	seated
1.5	Load capacity/rated load	Q(kg)	3000	3000	3000	3000
1.6	Load centre distance	c(mm)	500	500	500	500
1.8	Load distance,centre of drive axle to fork	x(mm)	478	478	483	483
1.9	wheelbase	y(mm)	1800	1700	1800	1700
Weights						
2.1	Service weight incl. battery	kg	4070	4070	4070	4300
2.2	Axle loading ,laden front/rear	kg	6390/680	6390/680	6390/680	6540/760
2.3	Axle loading,unladen front/rear	kg	1750/2320	1750/2320	1750/2320	1880/2420
Wheels\ Chassis						
3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		pneumatic	pneumatic	pneumatic	pneumatic
3.2	Tyres size,front		28×9-15-14PR	28×9-15-14PR	28×9-15-14PR	28×9-15-14PR
3.3	Tyres size,rear		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
3.5	Wheels,number front/rear(×=driven wheels)		2×/2	2×/2	2×/2	2×/2
3.6	Track width,front	b10(mm)	1004	1004	1004	1004
3.7	Track width,rear	b11(mm)	982	982	982	982
Basic Dimensions						
4.1	Mast/fork carriage tilt forward/backward	$\alpha/\beta(^{\circ})$	6/10	6/10	6/10	6/10
4.2	lowered mast height	h1(mm)	2075	2075	2075	2075
4.3	Free lift	h2(mm)	140	140	140	140
4.4	Lift height	h3(mm)	3000	3000	3000	3000
4.5	Extended mast height	h4(mm)	4079	4079	4079	4079
4.7	Overhead load guardheight	h6(mm)	2150	2150	2150	2150
4.8	Seat height/standing height	h7(mm)	1130	1130	1130	1130
4.12	Coupling height	h10(mm)	580	580	580	580
4.19	Overall length	l1(mm)	3773	3773	3773	3773
4.20	Length to face of forks	l2(mm)	2703	2703	2703	2703
4.21	Overall width	b1(mm)	1226	1226	1226	1226
4.22	Fork dimensions	s/e/l(mm)	45/125/1070	45/125/1070	45/125/1070	45/125/1070
4.24	Fork carriage width	b3(mm)	1100	1100	1100	1100
4.31	Ground clearance ,laden,under mast	m1(mm)	135	135	135	140
4.32	Ground clearance,centre of wheelbase	m2(mm)	150	150	150	150
4.33	Aisle width for pallets 1000×1200 crossways	Ast(mm)	4078	4078	4078	4078
4.34	Aisle width for pallets 800×1200 lengthways	Ast(mm)	4278	4278	4278	4278
4.35	Turning radius	Wa(mm)	2400	2400	2400	2400
Performance Data						
5.1	Travel speed,laden/unladen	km/h	13/14	13/14	14/15	18/20
5.2	Lift speed,laden/unladen	m/s	0.32/0.40	0.32/0.40	0.35/0.40	0.44/0.52
5.3	lowering speed,laden/unladen	m/s	<0.6	<0.6	<0.6	<0.6
5.5	Drawbar pull,laden/unladen S2 60 min	N	17000/18000	17000/18000	18000/19000	20000/21000
5.7	Max.Gradient performance,laden/unladen S2 5 min	%	15/15	15/15	15/15	20/28
5.10	Service brake		hydraulic	hydraulic	hydraulic	hydraulic
E-Motor						
6.1	Drive motor rating S2 60 min	kW	11	11	15.3	16
6.2	Lift motor rating at S3 15%	kW	16	16	22.6	26
6.3	Battery standard		Lion	lead-acid	Lion	Lion
6.4	Battery voltage,nominal capacity K5	V/Ah	76.8/206 option:76.8/277/412/554	80/400	76.8/206 option:76.8/277/412/554	76.8/277 option:76.8/412/554
6.5	Battery weight	kg	215	1090	200	240
	Battery dimensions l/w/h	mm	770/650/680	812/640/760	770/600/680	770/600/680
Other Details						
8.1	Type of drive control		AC	AC	permanent magnet	AC
8.2	Operating pressure for attachments	Mpa	17.5	17.5	17.5	17.5
8.3	Oil volume for attachments	l/min	36	36	36	36
8.4	Sound level at driver's ear according to EN 12 053	dB(A)	74	74	74	74

Type sheet for industrial truck acc. to VDI 2198

1KG=2.2LB 1INCH=25.4MM

Identification						
1.2	Manufacturer's type designation		FE4P35Q	FE4P35Q2	FE4P35QY	FE4P35QH
1.3	Drive:electric(battery or mains),diesel,petrol gas,manual)		electric	electric	electric	electric
1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		seated	seated	seated	seated
1.5	Load capacity/rated load	Q(kg)	3500	3500	3500	3500
1.6	Load centre distance	c(mm)	500	500	500	500
1.8	Load distance,centre of drive axle to fork	x(mm)	483	483	483	483
1.9	wheelbase	y(mm)	1800	1700	1800	1700
Weights						
2.1	Service weight incl. battery	kg	4480	4480	4480	4480
2.2	Axle loading ,laden front/rear	kg	7140/840	7140/840	7140/840	7230/910
2.3	Axle loading,unladen front/rear	kg	1960/2520	1960/2520	1960/2520	2030/2610
Wheels- Chassis						
3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		superelastic	superelastic	superelastic	superelastic
3.2	Tyres size,front		28×9-15-14PR	28×9-15-14PR	28×9-15-14PR	28×9-15-14PR
3.3	Tyres size,rear		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
3.5	Wheels,number front/rear(×=driven wheels)		2×/2	2×/2	2×/2	2×/2
3.6	Track width,front	b10(mm)	1004	1004	1004	1004
3.7	Track width,rear	b11(mm)	982	982	982	982
Basic Dimensions						
4.1	Mast/fork carriage tilt forward/backward	$\alpha/\beta(^{\circ})$	6/10	6/10	6/10	6/10
4.2	lowered mast height	h1(mm)	2075	2075	2075	2075
4.3	Free lift	h2(mm)	145	145	145	145
4.4	Lift height	h3(mm)	3000	3000	3000	3000
4.5	Extended mast height	h4(mm)	4079	4079	4079	4079
4.7	Overhead load guardheight	h6(mm)	2150	2150	2150	2150
4.8	Seat height/standing height	h7(mm)	1130	1130	1130	1130
4.12	Coupling height	h10(mm)	580	580	580	580
4.19	Overall length	l1(mm)	3818	3818	3818	3818
4.20	Length to face of forks	l2(mm)	2748	2748	2748	2748
4.21	Overall width	b1(mm)	1226	1226	1226	1226
4.22	Fork dimensions	s/e/l(mm)	50/125/1070	50/125/1070	50/125/1070	50/125/1070
4.24	Fork carriage width	b3(mm)	1100	1100	1100	1100
4.31	Ground clearance ,laden,under mast	m1(mm)	135	135	140	145
4.32	Ground clearance,centre of wheelbase	m2(mm)	150	150	150	150
4.33	Aisle width for pallets 1000×1200 crossways	Ast(mm)	4123	4123	4123	4123
4.34	Aisle width for pallets 800×1200 lengthways	Ast(mm)	4323	4323	4323	4323
4.35	Turning radius	Wa(mm)	2440	2440	2440	2440
Performance Data						
5.1	Travel speed,laden/unladen	km/h	12/13	12/13	14/15	18/20
5.2	Lift speed,laden/unladen	m/s	0.30/0.40	0.30/0.40	0.35/0.40	0.44/0.52
5.3	lowering speed,laden/unladen	m/s	<0.6	<0.6	<0.6	<0.6
5.5	Drawbar pull,laden/unladen S2 60 min	N	17000/18000	17000/18000	18000/19000	20000/21000
5.7	Max.Gradient performance,laden/unladen S2 5 min	%	15/15	15/15	15/15	20/28
5.10	Service brake		hydraulic	hydraulic	hydraulic	hydraulic
E-Motor						
6.1	Drive motor rating S2 60 min	kW	11	11	15.3	16
6.2	Lift motor rating at S3 15%	kW	16	16	22.6	26
6.3	Battery standard		Lion	lead-acid	Lion	Lion
6.4	Battery voltage,nominal capacity K5	V/Ah	76.8/277 option:76.8/412/554	80/400	76.8/277 option:76.8/412/554	76.8/277 option:76.8/412/554
6.5	Battery weight	kg	280	1090	200	240
	Battery dimensions l/w/h	mm	770/650/680	812/640/760	770/600/680	770/600/680
Other Details						
8.1	Type of drive control		AC	AC	permanent magnet	AC
8.2	Operating pressure for attachments	Mpa	17.5	17.5	17.5	17.5
8.3	Oil volume for attachments	l/min	36	36	36	36
8.4	Sound level at driver's ear according to EN 12 053	dB(A)	75	75	75	75

We Promise, We deliver

NOBLELIFT NORTH AMERICA CORP

Add:2461 S Wolf Road
Des Plaines, IL 60018
Tel:001-847-595-7100
Fax:001-847-595-7200
Email:sales@nobleliftna.com
Http:www.nobleliftna.com

NOBLELIFT EUROPE GMBH

Add:Borsigstrasse
9-93082 Barbing Germany
Tel:+49 9401 607930
Fax:+49 9401 6079329
Email:mail@noblelifteurope.com
Http:www.noblelifteurope.com

NOBLELIFT RUSSIA

ООО «Ноблелифт Рус»
194292, Санкт-Петербург
Домостроительная ул. 4А офис 301
Тел.: +7-800-700-28-97
Email: sales@noblelift.com.ru
Http: www.noblelift.com.ru

NOBLELIFT CHINA

Add:528 Changzhou Road,Taihu Sub-district,
Changxing, Zhejiang 313100 China
Tel:86-572-6210817 6210311
Fax:86-572-6210777 6128612
Email:info@noblelift.com
Http:www.noblelift.com www.noblelift.cn



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