

FE4P25-38G/GH (High-End GH and Basic G)

Four wheel Electric Forklift

Lithium-ion Forklift

ADVANTAGES

Noblelift's G Series Lithium Electric Forklift, born from over two decades of electric forklift expertise, breaks through traditional design while maintaining the family design principles. This new product line includes the high-end GH model and the basic G model, with optional rated load capacities of 2.5 and 3.8 tons. This series redefines the next generation of electric forklifts, competing with internal combustion forklifts in terms of efficiency, power, and reliability.



■ Tough Appearance

Inheriting and advancing the classic exterior design of Q series lithium forklifts, it has exquisite and compact structure, as well as stylish and tough appearance.

■ Powerful

Equipped with highly efficient and high torque motor, the traveling speed, lifting speed and grade-ability are comparable to internal combustion forklift trucks.

■ Robust Alternative to IC Forklifts

The G series forklift adopts an AC system while retaining the durable drive axle, steering axle, tires, and mast system of internal combustion forklifts. It can serve as a viable alternative to internal combustion forklifts, meeting the requirements of various working conditions.

■ Fast charging

Standard Lithium-ion Fast Charging Technology Included, ready to use as you go. Standard batteries can be fully charged in just 2 hours.

Cozy space

Wide view mast design, spacious driver's operating area, and excellent ergonomics.

Color smart dashboard with on-demand speed mode switching,featuring a graphical user interface for a simple and intuitive experience.



Convenient and Efficient

Multiple lithium-ion battery capacities available, optional side-pull structure for quick replacement, ensuring seamless operation around the clock.

Equipped with AC asynchronous motors for both driving and lifting, maintenance-free, and offering higher working efficiency.

The driver's seat comes standard with a USB port for charging and expansion.



Side-pull battery (optional)



Multi-capacity, quick plug-and-play batteries

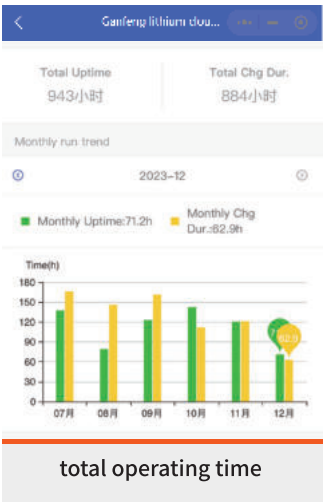


Lithium-ion Smart Cloud Platform

Constantly monitors the battery's operational status throughout its usage to ensure the safety of personnel and equipment.



QR code Scanning



Date Time	Duration	SOC
12-15 07:09:52	48min	95.2% - 84%
12-15 06:44:37	23min	74.8%-95.2%
12-15 06:43:08	1min	74.7% - 74.8%
12-15 05:13:08	5min	76% - 74.8%
12-15 02:18:01	20min	81.6% - 76.3%
12-15 01:41:33	24min	86.5% - 81.7%
12-15 01:13:58	11min	89% - 86.7%
12-14 21:00:14	5min	90.4% - 89.1%
12-14 19:39:05	39min	99.9% - 90.6%
12-14 18:50:26	19min	84.4%-99.9%

operating and charging time

Safe and Reliable

The entire forklift is designed with sealed enclosures, achieving an IPX4 waterproof rating, making it resilient in harsh working environments, ensuring safety and reliability.

Durable Body designed specifically for lithium-ion batteries.

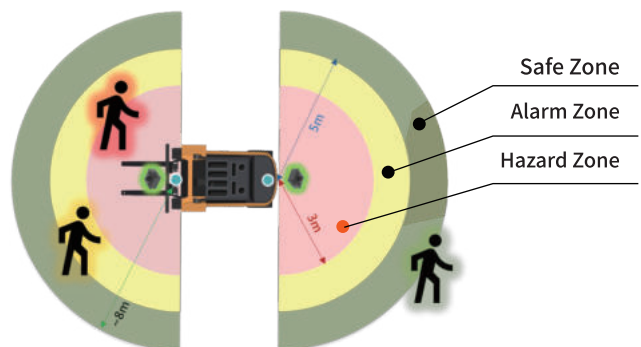
Standard automatic speed reduction at turns for GH models, enhancing driving safety.

Utilizing a robust, integral cast steering axle from internal combustion vehicles for added durability.



High-End AI Imaging System

Our cutting-edge AI technology continually assesses the work area for potential hazards. When someone enters a danger zone, the driver receives dynamic collision warnings. This smart system operates in various complex conditions, aiding the driver in avoiding accidents and reducing stress. It provides rich driver assistance and environment awareness, significantly enhancing safety.





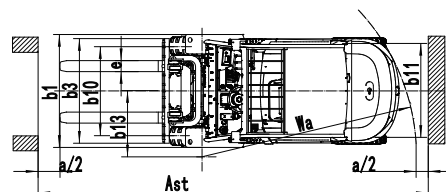
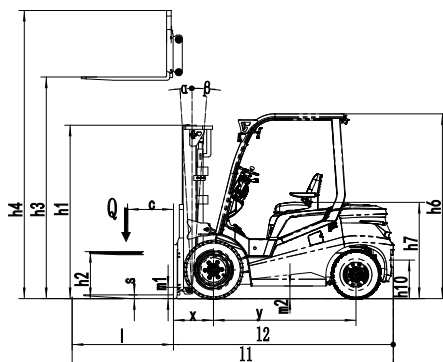
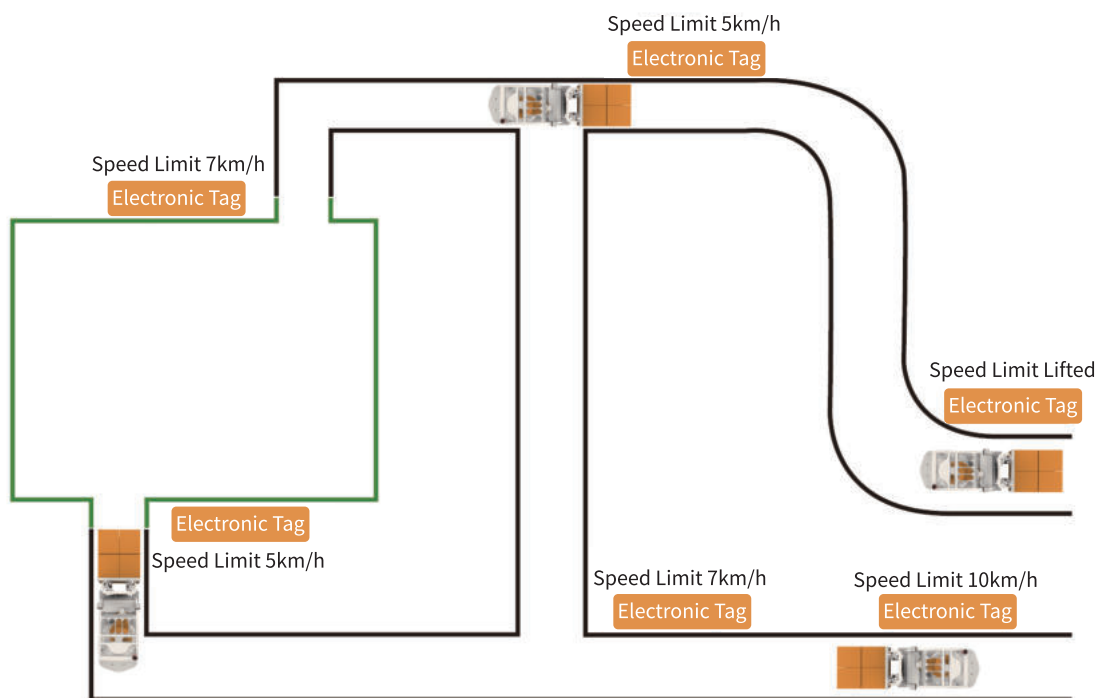
Seat:
Standard with seat switch (optional seatbelt warning switch).



The entire forklift comes with LED lighting: Front headlights, front auxiliary lights, rear combination lights, and warning lights.

RFID Zone Speed Limit System

- **Zone-Based Speed Limitation:** Forklifts are equipped with speed limit tags at entry and exit points of specific areas, enabling speed restrictions within these zones.
- **Segmented Route Speed Control:** Speed limit tags at the start and end of designated route sections ensure controlled speed in those areas.
- **Effortless Maintenance:** Our electronic tags require zero maintenance, are self-powered, and have minimal environmental and mounting requirements. They can be effortlessly installed on building walls, lampposts, trees, metal shelves, and more.



Mast Table FE4P25G/GH FE4P38G/GH

Designation	Lift height h3 (mm)		Free Lift h2 (mm)		Closed mast height h1 (mm)		Extended mast height h4 (mm)		Tilt forward / backward α / β (°)		Capacity table(kg) C=500mm without sideshift single superelastic tyre	
	FE4P25G/GH	FE4P38G/GH	FE4P25G/GH	FE4P38G/GH	FE4P25G/GH	FE4P38G/GH	FE4P25G/GH	FE4P38G/GH	FE4P25G/GH	FE4P38G/GH	FE4P25G/GH	FE4P38G/GH
Two-stage ZT	2000	2000	130	145	1555	1685	2974	3079	6/10	6/10	2500	3800
	2500	2500	130	145	1865	1935	3474	3579	6/10	6/10	2500	3800
	3000	3000	130	145	2055	2185	3974	4079	6/10	6/10	2500	3800
	3300	3300	130	145	2205	2335	4274	4379	6/10	6/10	2500	3800
	3500	3500	130	145	2305	2435	4474	4579	6/10	6/10	2500	3800
	3600	3600	130	145	2355	2485	4574	4679	6/10	6/10	2500	3800
	3700	3700	130	145	2405	2535	4674	4779	6/10	6/10	2500	3800
	4000	4000	130	145	2605	2735	4974	5079	6/6	6/6	2450	3650
	4300	4300	130	145	2755	2885	5274	5379	6/6	6/6	2300	3500
	4500	4500	130	145	2855	2985	5474	5579	6/6	6/6	2100	3350
	5000	5000	130	145	3105	3235	5974	6079	6/6	6/6	1850	3000
Two-stage ZZ	2000	2000	631	496	1555	1575	2968	3079	6/10	6/10	2500	3800
	2500	2500	881	746	1805	1825	3468	3579	6/10	6/10	2500	3800
	3000	3000	1131	996	2055	2075	3968	4079	6/10	6/10	2500	3800
	3300	3300	1281	1146	2205	2225	4268	4379	6/10	6/10	2500	3800
	3500	3500	1381	1246	2305	2325	4468	4579	6/10	6/10	2500	3800
	3600	3600	1431	1296	2355	2375	4568	4679	6/10	6/10	2500	3800
	3700	3700	1481	1346	2405	2425	4668	4779	6/10	6/10	2500	3800
	4000	4000	1681	1546	2605	2625	4968	5079	6/6	6/6	2400	3650
Three-stage DZ	4000	4000	1056	1021	1980	2100	4976	5079	6/6	6/6	2350	3650
	4350	4350	1181	1146	2105	2225	5326	5379	6/6	6/6	2200	3550
	4500	4500	1231	1196	2155	2275	5476	5579	6/6	6/6	2000	3350
	4800	4800	1331	1296	2255	2375	5776	5879	6/6	6/6	1900	3100
	5000	5000	1474	1439	2398	2518	5976	6079	6/6	6/6	1700	3000
	5500	5500	1708	1673	2647	2752	6476	6579	3/6	3/6	1400	2700
	6000	6000	1941	1906	2865	2985	6976	7079	3/6	3/6	950	2200
	6500	/	2174	/	3098	/	7476	/	3/6	/	700	/

Two lift height (no load-backrest) +300mm; Free lift height (no load-backrest) +238mm.

Mast Table FE4P30G/GH FE4P35G/GH

Designation	Lift height h3 (mm)		Free Lift h2 (mm)		Closed mast height h1 (mm)		Extended mast height h4 (mm)		Tilt forward / backward α / β (°)		Capacity table(kg) C=500mm without sideshift single superelastic tyre	
	FE4P30G/GH	FE4P35G/GH	FE4P30G/GH	FE4P35G/GH	FE4P30G/GH	FE4P35G/GH	FE4P30G/GH	FE4P35G/GH	FE4P30G/GH	FE4P35G/GH	FE4P30G/GH	FE4P35G/GH
Two-stage ZT	2000	2000	140	145	1575	1685	3079	3079	6/10	6/10	3000	3500
	2500	2500	140	145	1825	1935	3579	3579	6/10	6/10	3000	3500
	3000	3000	140	145	2075	2185	4079	4079	6/10	6/10	3000	3500
	3300	3300	140	145	2225	2335	4379	4379	6/10	6/10	3000	3500
	3500	3500	140	145	2325	2435	4579	4579	6/10	6/10	3000	3500
	3600	3600	140	145	2375	2485	4679	4679	6/10	6/10	3000	3500
	3700	3700	140	145	2425	2535	4779	4779	6/10	6/10	3000	3500
	4000	4000	140	145	2625	2735	5079	5079	6/6	6/6	2950	3300
	4300	4300	140	145	2775	2885	5379	5379	6/6	6/6	2850	3250
	4500	4500	140	145	2875	2985	5579	5579	6/6	6/6	2600	3100
	5000	5000	140	145	3125	3235	6079	6079	6/6	6/6	2400	2650
Two-stage ZZ	2000	2000	496	496	1575	1575	3079	3079	6/10	6/10	3000	3500
	2500	2500	746	746	1825	1825	3579	3579	6/10	6/10	3000	3500
	3000	3000	996	996	2075	2075	4079	4079	6/10	6/10	3000	3500
	3300	3300	1146	1146	2225	2225	4379	4379	6/10	6/10	3000	3500
	3500	3500	1246	1246	2325	2325	4579	4579	6/10	6/10	3000	3500
	3600	3600	1296	1296	2375	2375	4679	4679	6/10	6/10	3000	3500
	3700	3700	1346	1346	2425	2425	4779	4779	6/10	6/10	3000	3450
	4000	4000	1546	1546	2625	2625	5079	5079	6/6	6/10	2950	3300
Three-stage DZ	4000	4000	921	921	2000	2000	5079	5079	6/6	6/6	2900	3250
	4350	4350	1046	1046	2125	2125	5479	5479	6/6	6/6	2700	3150
	4500	4500	1096	1096	2175	2175	5579	5579	6/6	6/6	2600	3000
	4800	4800	1196	1196	2275	2275	5879	5879	6/6	6/6	2400	2800
	5000	5000	1339	1339	2418	2418	6079	6079	6/6	6/6	2300	2650
	5500	5500	1573	1573	2652	2652	6579	6579	3/6	3/6	1800	2200
	6000	6000	1806	1806	2885	2885	7079	7079	3/6	3/6	1400	1500
	6500	6500	2039	2039	3118	3118	7579	7579	3/6	3/6	800	900
	7000	7000	2205	2205	3284	3284	8079	8079	3/6	3/6	600	700
Four-stage DZ	6100	6100	1190	1190	2135	2135	7045	7045	3/6	3/6	1400	1500
	6600	6600	1315	1315	2260	2260	7545	7545	3/6	3/6	800	900
	7000	7000	1495	1495	2440	2440	7945	7945	3/6	3/6	600	700

Two lift height (no load-backrest) +400mm; Free lift height (no load-backrest) +320mm.

Type sheet for industrial truck acc. to VDI 2198

1KG=2.2LB 1INCH=25.4MM

Identification						
1.2	Manufacturer's type designation		FE4P30G	FE4P30GH	FE4P35G	FE4P35GH
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	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)	478	478	483	483
1.9	wheelbase	y(mm)	1700	1700	1760	1760
Weights						
2.1	Service weight incl. battery	kg	4280	4280	4660	4660
2.2	Axle loading ,laden front/rear	kg	6530/750	6530/750	7240/920	7240/920
2.3	Axle loading,unladen front/rear	kg	2060/2220	2060/2220	2040/2620	2040/2620
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 Dimensons						
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	2185	2185
4.3	Free lift	h2(mm)	140	140	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)	2200	2200	2200	2200
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)	3688	3688	3818	3818
4.20	Length to face of forks	l2(mm)	2618	2618	2748	2748
4.21	Overall width	b1(mm)	1230	1230	1230	1230
4.22	Fork dimensions	s/e/l(mm)	45/125/1070	45/125/1070	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)	140	140	145	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)	4039	4039	4153	4153
4.34	Aisle width for pallets 800×1200 lengthways	Ast(mm)	4238	4238	4353	4353
4.35	Turning radius	Wa(mm)	2360	2360	2470	2470
Performance Data						
5.1	Travel speed,laden/unladen	km/h	14/15	18/19	14/15	17/19
5.2	Lift speed,laden/unladen	m/s	0.3/0.4	0.44/0.54	0.3/0.4	0.42/0.54
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	14000/15000	20000/21000	14000/15000	20000/21000
5.7	Max.Gradient performance,laden/unladen S2 5 min	%	15/15	20/28	15/15	20/28
5.10	Service brake		hydraulic	hydraulic	hydraulic	hydraulic
E-Motor						
6.1	Drive motor rating S2 60 min	kW	16	16	16	16
6.2	Lift motor rating at S3 15%	kW	16	26	16	26
6.3	Battery standard		Lion	Lion	Lion	Lion
6.4	Battery voltage,nominal capacity K5	V/Ah	76.8/206 option:277/412/554	76.8/277 option:412/554	76.8/206 option:277/412/554	76.8/277 option:412/554
6.5	Battery weight	kg	200/240/300/360 hoisting:770/600/605	240/300/360 hoisting:770/600/605	200/240/300/360 hoisting:770/600/605	240/300/360 hoisting:770/600/605
6.6	Battery dimensions l/w/h	mm	Slide Over:1086/760/360	Slide Over:1086/760/360	Slide Over:1086/760/360	Slide Over:1086/760/360
Other Details						
8.1	Type of drive control		AC	AC	AC	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			FE4P25G	FE4P25GH	FE4P38G	FE4P38GH
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	3800	3800
1.6	Load centre distance	c(mm)		500	500	500	500
1.8	Load distance,centre of drive axle to fork	x(mm)		473	473	483	483
1.9	wheelbase	y(mm)		1630	1630	1760	1760
Weights							
2.1	Service weight incl. battery	kg		3800	3800	4890	4890
2.2	Axle loading ,laden front/rear	kg		5660/640	5660/640	7810/880	7810/880
2.3	Axle loading,unladen front/rear	kg		1620/2180	1620/2180	1880/3010	1880/3010
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	28×9-15-14PR	28×9-15-14PR
3.3	Tyres size,rear			6.00-9-10PR	6.00-9-10PR	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)		973	973	1004	1004
3.7	Track width,rear	b11(mm)		982	982	982	982
Basic Dimensons							
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	2185	2185
4.3	Free lift	h2(mm)		135	135	145	145
4.4	Lift height	h3(mm)		3000	3000	3000	3000
4.5	Extended mast height	h4(mm)		3974	3974	4079	4079
4.7	Overhead load guardheight	h6(mm)		2200	2200	2200	2200
4.8	Seat height/standing height	h7(mm)		1130	1130	1130	1130
4.12	Coupling height	h10(mm)		470	470	580	580
4.19	Overall length	l1(mm)		3590	3590	3818	3818
4.20	Length to face of forks	l2(mm)		2520	2520	2748	2748
4.21	Overall width	b1(mm)		1150	1150	1230	1230
4.22	Fork dimensions	s/e/l(mm)		40/122/1070	40/122/1070	50/125/1070	50/125/1070
4.24	Fork carriage width	b3(mm)		1040	1040	1100	1100
4.31	Ground clearance ,laden,under mast	m1(mm)		135	135	145	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)		3903	3903	4153	4153
4.34	Aisle width for pallets 800×1200 lengthways	Ast(mm)		4103	4103	4353	4353
4.35	Turning radius	Wa(mm)		2230	2230	2470	2470
Performance Data							
5.1	Travel speed,laden/unladen	km/h		14/15	18/19	13/14	17/19
5.2	Lift speed,laden/unladen	m/s		0.3/0.4	0.46/0.54	0.28/0.38	0.38/0.5
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	17000/18000	14000/15000	20000/21000
5.7	Max.Gradient performance,laden/unladen S2 5 min	%		15/15	20/28	15/15	20/28
5.10	Service brake			hydraulic	hydraulic	hydraulic	hydraulic
E-Motor							
6.1	Drive motor rating S2 60 min	kW		16	16	16	16
6.2	Lift motor rating at S3 15%	kW		16	24	16	26
6.3	Battery standard			Lion	Lion	Lion	Lion
6.4	Battery voltage,nominal capacity K5	V/Ah		76.8/206 option:277/412/554	76.8/277 option:412/554	76.8/206 option:277/412/554	76.8/277 option:412/554
6.5	Battery weight	kg		200/240/300/360	240/300/360	200/240/300/360	240/300/360
6.6	Battery dimensions l/w/h	mm		hoisting:770/600/605 Slide Over:1086/760/360	hoisting:770/600/605 Slide Over:1086/760/360	hoisting:770/600/605 Slide Over:1086/760/360	hoisting:770/600/605 Slide Over:1086/760/360
Other Details							
8.1	Type of drive control			AC	AC	AC	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