

QS 14-18 SERIES

The FLAG QS Series reach truck, with a lifting height of up to 7.5 meters and a load capacity of 1,800 kg, easily handles standard operations on platforms and indoors, making it ideal for stacking, block stacking, and in-rack operations in confined spaces.

Reliability & Performance

E-brake: The Energy Regeneration Function extends working hours.

360° steering: Change driving direction thanks to the continuous movement of the steering wheel. Unlimited rotation enables smooth and fast manoeuvring.

The FLAG control system allows you to set parameters including acceleration, maximum speed, steering sensitivity and braking.

The multi-function dashboard has a steering wheel indicator for easy operation. Electronic combination locks are standard, and different drivers can be distinguished by different codes.

Safety & Ergonomics

Height-adjustable cab pedals

The driver's footrest is adjustable in three heights (from the seat to the floor) from 450-495-540mm to suit drivers of different sizes.

New overhead guard racks

The driver's entire body is well protected within the confines of the frame, helping to reduce the risk of injury to the driver. In addition, the new overhead guards provide the driver with a clear view of the road, improving efficiency and safety. Designed around the operator

The driver compartment is ergonomically designed around the operator, offering intuitive and interactive features such as an easy-to-read colour touchscreen display.

Easy Maintenance

QS series are equipped with fault code and history error record display for quicker diagnosis. QS series adopts quick hydraulic joints, no extra tools are needed for disassembly.

The international first-class brand lithium battery reduces maintenance time, and the lifting and driving motors are AC motors with no carbon brushes to replace.



QS 14-18 Technical Specification

Identification	1.1	Manufacturer	FLAG			FLAG	FLAG	
	1.2	Model	QS14			QS16	QS18	
	1.3	Drive	Electric			Electric	Electric	
	1.4	Operator type	Seated			Seated	Seated	
	1.5	Load capacity/rated load	Q	kg	1400	1600	1800	
Weight	1.6	Load centre	c	mm	600	600	600	
	1.8	Load distance, centre of support arm wheel to face of fork	x	mm	310 *	394 *	373 *	
	1.9	Wheelbase	y	mm	1311	1395	1455	
	2.1	Service weight including battery		kg	3390	3398	3908	
	2.3	Axle load, mast retracted without load, drive/support arm wheel		kg	2067/1323	2123/1274	2357/1551	
Wheels	2.4	Axle load, mast extended with load, drive/support arm wheel		kg	667/4123	607/4390	717/4991	
	2.5	Axle load, mast retracted with load, drive/support arm wheel		kg	1758/3032	1887/3110	2054/3655	
	3.1	Drive/support arm wheel	Polyurethane			Polyurethane	Polyurethane	
	3.2	Wheel size, Drive		mm	ø343x140	ø343x140	ø360x160	
	3.3	Wheel size, Support		mm	ø300x106	ø300x106	ø350x106	
Dimensions	3.5	Wheels, number Drive/Support (x = driven wheels)			1x/2	1x/2	1x/2	
	3.7	Track width, Support	b11	mm	1134	1134	1134	
	4.1	Tilt of fork, forward/backward	α/β	deg	-2°/4° *	-2°/4° *	-2°/4° *	
	4.2	Height, mast lowered	h1	mm	2887 *	2887 *	2966 *	
	4.3	Free lift	h2	mm	2403 *	2403 *	2459 *	
	4.4	Lift	h3	mm	6945 *	6945 *	6945 *	
	4.5	Lift height	h23	mm	7000 *	7000 *	7000 *	
	4.6	Height, mast extended	h4	mm	7540 *	7540 *	7548 *	
	4.7	Height of overhead guard (cabin)	h6	mm	2198	2198	2261	
	4.8	Seat height	h7	mm	1136	1136	1198	
	4.10	Height support arms	h8	mm	268	268	330	
	4.15	Height, fork lowered	h13	mm	55	55	55	
	4.19	Overall length	l1	mm	2413	2413	2494	
	4.20	Length to face of forks	l2	mm	1263	1263	1344	
	4.21	Overall width	b1	mm	1270	1270	1270	
	4.22	Fork dimensions	s/e/l	mm	40/100/1150 *	40/100/1150 *	40/120/1150 *	
	4.23	Fork carriage ISO 2328, class/type A, B			2A	2A	2A	
	4.24	Fork carriage width	b3	mm	819	819	819	
	4.25	Width over forks	b5	mm	252 - 698	252 - 698	272 - 718	
Performance data	4.26	Distance between wheel arms/loading surfaces	b4	mm	900 *	900 *	900 *	
	4.28	Reach distance	j4	mm	506 *	590 *	594 *	
	4.31	Ground clearance, with load, below mast	m1	mm	68	68	68	
	4.32	Ground clearance, center of wheelbase	m2	mm	74	74	74	
	4.34.1	Axle width for pallets 1000x1200 crossways	Ast	mm	2687	2710	2785	
	4.34.2	Axle width for pallets 800x1200 lengthways	Ast	mm	2749	2757	2836	
	4.35	Turning radius	Wa	mm	1573	1657	1717	
	4.37	Length across support arms	l7	mm	1744	1828	1913	
	5.1	Travel speed, with/without load		km/h	10.3/11.1	10/11.1	11/11	
	5.2	Lift speed, with/without load		m/s	0.38/0.68	0.36/0.68	—	
	5.3	Lowering speed, with/without load		m/s	0.55/0.59	0.55/0.59	0.55/0.60	
	5.4	Reach speed, with/without load		m/s	0.20/0.28	0.20/0.28	0.20/0.28	
	5.8	Max. gradeability, with/without load 2)		%	10/15	10/15	10/15	
	5.9	Acceleration time with/without load (over 10m)		s	5.0/4.6	5.1/4.7	4.7/4.5	
	5.10	Service brake			Electric	Electric	Electric	
	Electric motor	6.1	Drive motor rating S2 60 min		kW	90	90	105
		6.2	Lift motor rating S3 15%		kW	110	110	—
		6.4	Battery voltage, nominal capacity K5		V/Ah	48/465 *	48/465 *	48/620 *
		6.5	Battery weight		kg	685 *	685 *	875 *
6.6		Energy consumption according to VDE cycle		kWh/h	3.4	3.7	3.9	
6.7		Turnover output		kWh/h	2.75	2.83	3.32	
Other	6.8	Turnover output		kWh/h	595	647	756	
	6.9	Energy consumption at turnover output		kWh/h	309	319	366	
	8.1	Type of drive control			Variable AC	Variable AC	Variable AC	
	8.4	Sound level at the driver's ear according to EN 12053		dB(A)	64	64	65	

Product Line Draft Drawing

