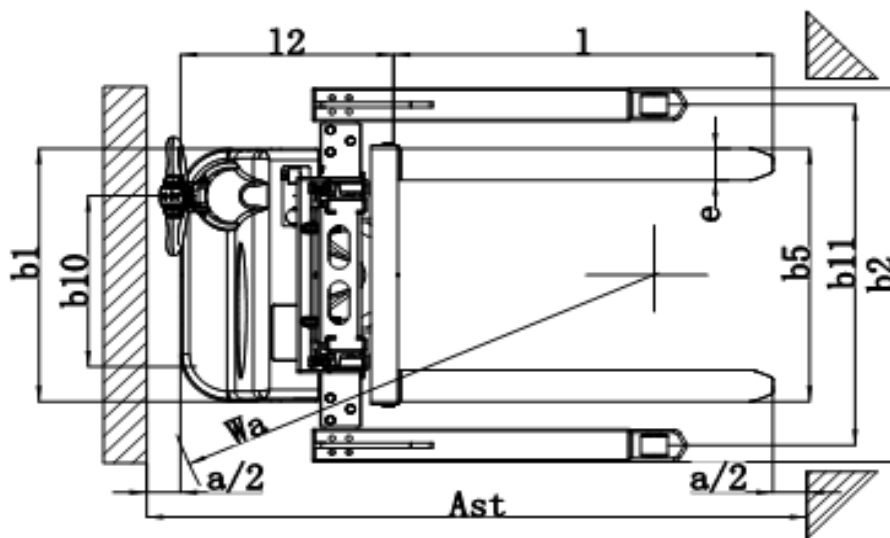
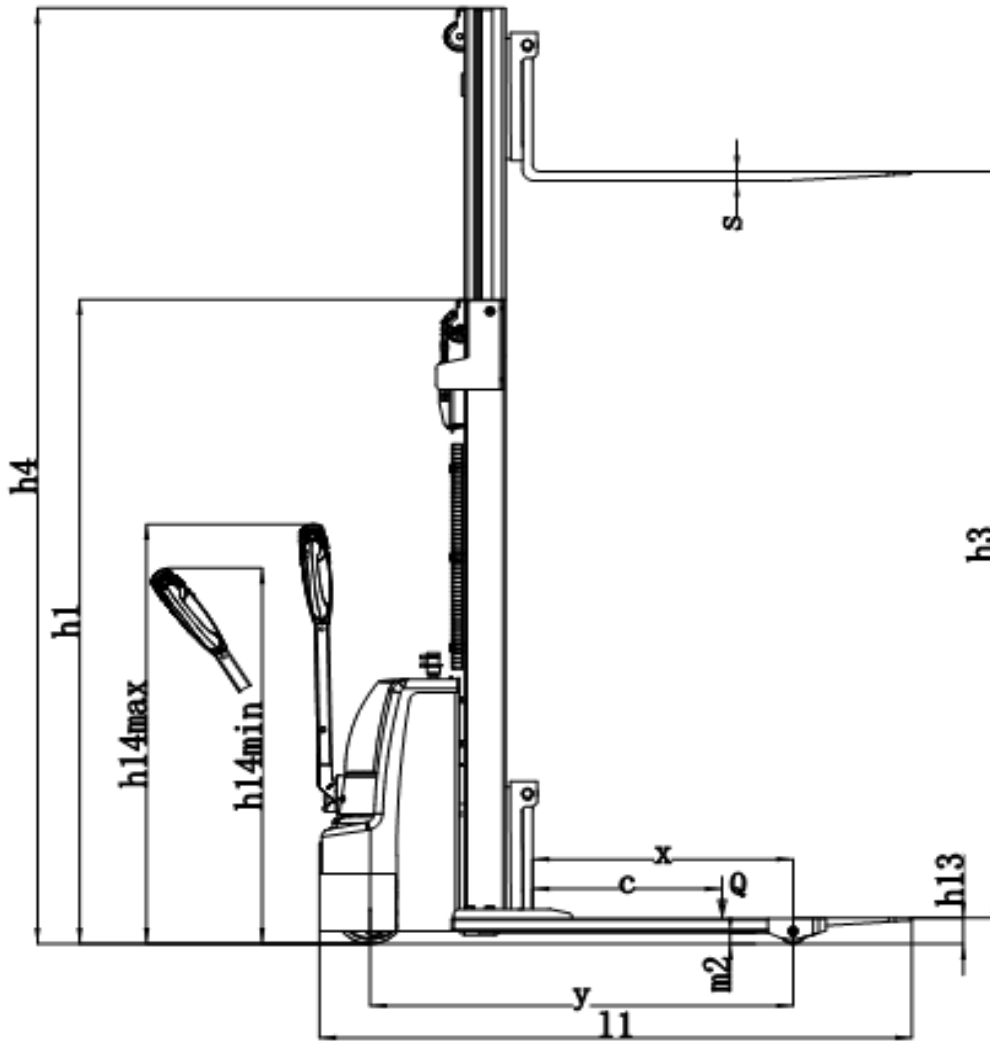


OES-ESL



Type sheet for industrial truck acc. to VDI 2198

Distinguishing mark	1.2	Manufacturer`s type designation		QES-ESL	
	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery	
	1.4	Operator type		Pedestrian	
	1.5	Load Capacity / rated load	Q (t)	1.2	1.5
	1.6	Load centre distance	C (mm)	500	
	1.8	Load distance ,centre of drive axle to fork	X (mm)	770	
	1.9	Wheelbase	Y(mm)	1250	
Weight	2.1	Service weight	kg	520	
	2.2	Axle loading, laden front/rear	kg	\	
	2.3	Axle loading, unladen front/rear	kg	\	
Tires, chassis	3.1	Tires		PU	
	3.2	Tire size, front	∅ x w (mm)	φ 210×70	
	3.3	Tire size, rear	∅ x w (mm)	φ 80×70	
	3.4	Additional wheels(dimensions)	∅ x w (mm)	φ 150×50	
	3.5	Wheels, number front/rear(x=driven wheels)		1x+1/4	
	3.6	Track, front	b ₁₀ (mm)	540	
	3.7	Track, rear	b ₁₁ (mm)	1090/1230/1370	
Dimensions	4.2	Lowered mast height	h ₁ (mm)	1530	
	4.3	Free Lift height	h ₂ (mm)	\	
	4.4	Lift height	h ₃ (mm)	1910	
	4.5	Extended mast height	h ₄ (mm)	2490	
	4.9	Height of tiller in drive position min./ max.	h ₁₄ (mm)	700/1315	
	4.15	Height, lowered	h ₁₃ (mm)	90	
	4.19	Overall length	l ₁ (mm)	1750	
	4.20	Length to face of forks	l ₂ (mm)	680	
	4.21	Overall width	b ₁ (mm)	800/(1190/1330/1470)	

	4.22	Fork dimensions	s/e/l (mm)	35/100/1070
	4.25	Distance between fork-arms	b ₅ (mm)	210~800
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	30
	4.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)	2358
	4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	2302
	4.35	Turning radius	Wa (mm)	1515
Performance data	5.1	Travel speed, laden/ unladen	Km/h	4/4.5
	5.2	Lift speed, laden/ unladen	m/s	0.06/0.11
	5.3	Lowering speed, laden/ unladen	m/s	0.09/0.06
	5.8	Max. gradeability, laden/ unladen	%	3/7
	5.10	Service brake		Electromagnetic
Electric- engine	6.1	Drive motor rating S2 60min	kw	0.75
	6.2	Lift motor rating at S3 4.5%	kw	2.2
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		\
	6.4	Battery voltage, nominal capacity K5	V/Ah	24/80(100)
	6.5	B Battery weight +/-5%	kg	2×25
	6.6	Energy consumption acc: to VDI cycle	kWh/h	\
Additional data	8.1	Type of drive control		DC speed control
	8.4	Sound level at driver`s ear acc. to EN 12053	dB(A)	69

Designation	Lowered mast height h1(mm)	Free Lift height h2(mm)	Lift height h3(mm)	Extended mast height h4(mm)	Lift+fork height h3+h13(mm)
QES-ESL					
Single stage mast	2010	—	1510	2010	1600
Two stage mast	1530	—	1910	2490	2000
	1780	—	2410	2990	2500
	2030	—	2910	3490	3000
	2180	—	3210	3790	3300
	2280	—	3410	3990	3500
Two stage mast FFL (Full-Free-Lift)	—	—	—	—	—
Three stage mast	—	—	—	—	—
Three stage mast FFL (Full-Free-Lift)	—	—	—	—	—