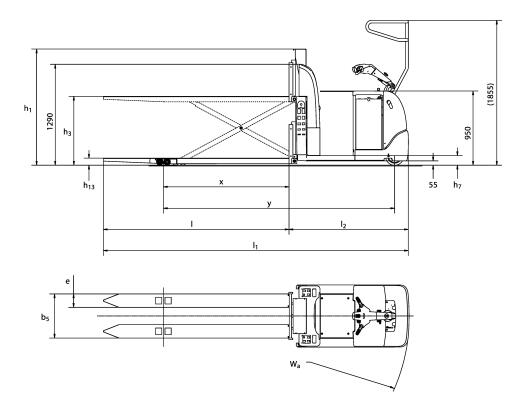
## LOW LEVEL ORDER PICKER WITH SCISSOR LIFT



**PPS** 

Heavy duty scissor lift provides improved ergonomics by allowing picker to have the load at the correct picking height.



Mast type	Lift height H	Height of mast lowered h1	Max mast height h4
Standard/Duplex			
Triplex			



	1.2	Manufacturer's type designation			FF3
Distinguishing mark	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas			Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker			Standing
	1.5	Load capacity/rated load	Q	t	2,0
₽Ĕ	1.6	Load centre distance	C	mm	600
	1.8	Load distance, centre of load axle to fork	X		1610
ij	1.9	Wheelbase		mm	1352 + x
			У	mm	
+	2.1	Service weight incl battery		kg	1400*
rg D	2.2	Axle load, with load, front/rear		kg	
ě	2.3	Axle load, wihtout load, front / rear		kg	1400 / 2300
Weight	2.4	Axle load, fork outreached with load, front / rear		kg	1050 / 450
	2.5	Axle load, fork retracted with load, front / rear		kg	
	3.1	Tyres			Vulcollan
	3.2	Tyre size, drive side		mm	Ø 85x70
	3.3	Tyre size, load side		mm	Ø 230x90
	3.4	Dimensions additional wheels (castor wheels)		mm	Ø 150x55
	3.5	Wheels, number front/rear (drive side/load side, x = driven wheels	e)		1x 1/4
	3.6	<u> </u>	b10	mm	500
		Track, drive side		mm	* * * *
	3.7	Track, load side	b11	mm	V-185
	4.1	Tilt of mast/fork carriage, forward/backward		Grad	
	4.2	Height, mast lowered	h1	mm	1502
	4.3	Free lift	h2	mm	
	4.4	Lift height H = h13+h3	Н	mm	900
	4.5	Height, mast extended	h4	mm	1502
	4.6	Straddle lift	h5	mm	
	4.7	Height of overhead guard (cabin)	h6	mm	+
	4.8	Seat height/stand height	h7	mm	123 / 146
					1207 170
	4.10	Height of wheel arms	h8	mm	
	4.11	Additional lift	h9	mm	
	4.14	Stand height, elevated	h12	mm	
	4.15	Height lowered	h13	mm	85
	4.19	Overall length	l1	mm	1536 + I
	4.20	Length to face of forks	12	mm	1536
ည	4.21	Overall width	b1	mm	790
ō	4.21.1	Width over stabilizers		mm	
<u>s</u>	4.22	Fork dimensions	s/e/l	mm	70 / 185 / 2400
ĕ	4.23	Fork carriage to ISO 2328, clas / form A, B	0/0/1		707 1007 2100
Dimensions	4.24	Width of fork carriage	b3	mm	
				mm	500
	4.25	Width over forks, min/max	b5	mm	560
	4.26	Distance between wheel arms	b4	mm	230
	4.27	Width across guide rolls	b6	mm	
	4.28	Reach distance	14	mm	
	4.29	Reach lateral	b7	mm	
	4.30	Reach lateral from vehicle centerline	b8		
	4.31	Troubit lateral from Formore Contorning		mm	
	4.51	Ground clearance, mast	m1	mm	
		Ground clearance, mast		mm	30
	4.32	Ground clearance, mast Ground clearance, centre of wheelbase	m1 m2	mm mm	30
	4.32 4.33	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise	m1 m2 Ast	mm mm mm	30
	4.32	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise	m1 m2 Ast Ast	mm mm mm	30
	4.32 4.33 4.34	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle	m1 m2 Ast Ast 0	mm mm mm mm	
	4.32 4.33 4.34 4.35	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius	m1 m2 Ast Ast O Wa	mm mm mm mm mm	30 1536 + x
	4.32 4.33 4.34 4.35 4.37	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs	m1 m2 Ast Ast 0 Wa	mm mm mm mm mm mm	
	4.32 4.33 4.34 4.35 4.37 4.38	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot	m1 m2 Ast Ast O Wa	mm mm mm mm mm mm mm	1536 + x
	4.32 4.33 4.34 4.35 4.37 4.38 5.1	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load	m1 m2 Ast Ast 0 Wa	mm km/h	
	4.32 4.33 4.34 4.35 4.37 4.38	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot	m1 m2 Ast Ast 0 Wa	mm mm mm mm mm mm mm	1536 + x
	4.32 4.33 4.34 4.35 4.37 4.38 5.1	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load	m1 m2 Ast Ast 0 Wa	mm km/h	1536 + x
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load, backwards	m1 m2 Ast Ast 0 Wa	mm km/h km/h	1536 + x 11,0 / 12,0
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load, backwards Lift speed, with/without load Lowering speed, with/without load	m1 m2 Ast Ast 0 Wa	mm mm mm mm mm mm mm mm mm km/h km/h m/s	1536 + x 11,0 / 12,0 0,12 / 0,16
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load, backwards Lift speed, with/without load	m1 m2 Ast Ast 0 Wa	mm mm mm mm mm mm mm mm km/h km/h km/s m/s	1536 + x 11,0 / 12,0 0,12 / 0,16 0,11 / 0,089
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3 5.4 5.7	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load, backwards Lift speed, with/without load Lowering speed, with/without load Reach speed, with/without load Gradient, with/without load	m1 m2 Ast Ast 0 Wa	mm mm mm mm mm mm mm mm km/h km/h m/s m/s	1536 + x 11,0 / 12,0 0,12 / 0,16
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.2 5.3 5.4 5.7	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load Lift speed, with/without load Lowering speed, with/without load Reach speed, with / without load Gradient, with/without load Max gradeability, with / without load, 5 min rating	m1 m2 Ast Ast 0 Wa	mm mm mm mm mm mm mm mm km/h km/h m/s m/s %	1536 + x 11,0 / 12,0 0,12 / 0,16 0,11 / 0,089
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3 5.4 5.7 5.8 5.9	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load Lowering speed, with/without load Lowering speed, with/without load Gradient, with/without load Max gradeability, with / without load, 5 min rating Acceleration time 0-10 m, with/without load	m1 m2 Ast Ast 0 Wa	mm mm mm mm mm mm mm mm km/h km/h m/s m/s	1536 + x 11,0 / 12,0 0,12 / 0,16 0,11 / 0,089 9 / 15
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load Lowering speed, with/without load Lowering speed, with/without load Reach speed, with/ without load Gradient, with/without load Max gradeability, with / without load, 5 min rating Acceleration time 0-10 m, with/without load Service brake: electric, hydraulic	m1 m2 Ast Ast 0 Wa	mm mm mm mm mm mm mm mm km/h km/h m/s m/s %	1536 + x 11,0 / 12,0 0,12 / 0,16 0,11 / 0,089 9 / 15 Electric
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load Lowering speed, with/without load Lowering speed, with/without load Gradient, with/without load Max gradeability, with / without load, 5 min rating Acceleration time 0-10 m, with/without load Service brake: electric, hydraulic	m1 m2 Ast Ast 0 Wa	mm km/h km/h	1536 + x 11,0 / 12,0 0,12 / 0,16 0,11 / 0,089 9 / 15 Electric Electric
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 5.10.1	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load, backwards Lift speed, with/without load Lowering speed, with/without load Gradient, with/without load Max gradeability, with / without load, 5 min rating Acceleration time 0-10 m, with/without load Service brake: electric, hydraulic Parking brake: electric, hydraulic Drive motor, rating \$2.60 min	m1 m2 Ast Ast 0 Wa	mm km/h km/h	1536 + x 11,0 / 12,0 0,12 / 0,16 0,11 / 0,089 9 / 15 Electric Electric 2,2 AC
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 5.10.1 6.1 6.2	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load Lowering speed, with/without load Lowering speed, with/without load Gradient, with/without load Max gradeability, with / without load, 5 min rating Acceleration time 0-10 m, with/without load Service brake: electric, hydraulic Parking brake: electric, hydraulic Drive motor, rating S2 60 min Lift motor	m1 m2 Ast Ast O Wa 17 O	mm km/h km/h	1536 + x 11,0 / 12,0 0,12 / 0,16 0,11 / 0,089 9 / 15 Electric Electric
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 5.10.1	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load, backwards Lift speed, with/without load Lowering speed, with/without load Gradient, with/without load Max gradeability, with / without load, 5 min rating Acceleration time 0-10 m, with/without load Service brake: electric, hydraulic Parking brake: electric, hydraulic Drive motor, rating \$2.60 min	m1 m2 Ast Ast 0 Wa	mm km/h km/h	1536 + x 11,0 / 12,0 0,12 / 0,16 0,11 / 0,089 9 / 15 Electric Electric 2,2 AC
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 5.10.1 6.1 6.2	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load Lowering speed, with/without load Lowering speed, with/without load Gradient, with/without load Max gradeability, with / without load, 5 min rating Acceleration time 0-10 m, with/without load Service brake: electric, hydraulic Parking brake: electric, hydraulic Drive motor, rating S2 60 min Lift motor	m1 m2 Ast Ast O Wa 17 O	mm km/h km/h	1536 + x 11,0 / 12,0 0,12 / 0,16 0,11 / 0,089 9 / 15 Electric Electric 2,2 AC
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 5.10.1 6.1 6.2 6.3	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load Lowering speed, with/without load Reach speed, with/without load Gradient, with/without load Max gradeability, with / without load, 5 min rating Acceleration time 0-10 m, with/without load Service brake: electric, hydraulic Parking brake: electric, hydraulic Drive motor, rating \$2 60 min Lift motor Battery according to DIN 43531/35/36	m1 m2 Ast Ast O Wa 17 O	mm km/h km/h	1536 + x  11,0 / 12,0  0,12 / 0,16 0,11 / 0,089  9 / 15  Electric Electric 2,2 AC 3,0
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load Lowering speed, with/without load Cowering speed, with/without load Reach speed, with / without load Gradient, with/without load Gradient, with/without load Service brake: electric, hydraulic Parking brake: electric, hydraulic Drive motor, rating \$2 60 min Lift motor Battery according to DIN 43531/35/36 Battery voltage / Battery capacity	m1 m2 Ast Ast O Wa 17 O	mm km/h km/h	1536 + x  11,0 / 12,0  0,12 / 0,16 0,11 / 0,089  9 / 15  Electric Electric 2,2 AC 3,0  24 / 300-600
engine	4.32 4.33 4.34 4.35 4.37 4.38 5.1.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10.1 6.1 6.2 6.3 6.4 6.5 6.6	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load Lowering speed, with/without load Lowering speed, with/without load Gradient, with/without load Max gradeability, with / without load, 5 min rating Acceleration time 0-10 m, with/without load Service brake: electric, hydraulic Parking brake: electric, hydraulic Drive motor, rating \$2 60 min Lift motor Battery according to DIN 43531/35/36 Battery voltage / Battery capacity Battery weight Power consumption according to VDI cycle	m1 m2 Ast Ast O Wa 17 O	mm mm mm mm mm mm mm mm mm km/h km/h m/s m/s % % s kW kW	1536 + x  11,0 / 12,0  0,12 / 0,16 0,11 / 0,089  9 / 15  Electric Electric 2,2 AC 3,0  24 / 300-600 235 - 500*
engine	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 6.1 6.2 6.3 6.4 6.5 6.6 8.1	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load Lowering speed, with/without load Lowering speed, with/without load Gradient, with/without load Max gradeability, with / without load, 5 min rating Acceleration time 0-10 m, with/without load Service brake: electric, hydraulic Parking brake: electric, hydraulic Drive motor, rating S2 60 min Lift motor Battery according to DIN 43531/35/36 Battery voltage / Battery capacity Battery weight Power consumption according to VDI cycle Speed regulation	m1 m2 Ast Ast O Wa 17 O	mm mm mm mm mm mm mm mm mm km/h km/h m/s m/s % % s kW kW V/Ah kg kWh/h	1536 + x  11,0 / 12,0  0,12 / 0,16 0,11 / 0,089  9 / 15  Electric Electric 2,2 AC 3,0  24 / 300-600 235 - 500*  AC Transistor
engine	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 6.1 6.2 6.3 6.4 6.5 6.6 8.1	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load Lowering speed, with/without load Lowering speed, with/without load Gradient, with/without load Gradient, with/without load Max gradeability, with / without load, 5 min rating Acceleration time 0-10 m, with/without load Service brake: electric, hydraulic Parking brake: electric, hydraulic Drive motor, rating S2 60 min Lift motor Battery according to DIN 43531/35/36 Battery voltage / Battery capacity Battery weight Power consumption according to VDI cycle Speed regulation Operating pressure attachments	m1 m2 Ast Ast O Wa 17 O	mm mm mm mm mm mm mm mm mm km/h km/h m/s m/s % % \$ \$	1536 + x  11,0 / 12,0  0,12 / 0,16 0,11 / 0,089  9 / 15  Electric Electric 2,2 AC 3,0  24 / 300-600 235 - 500*
	4.32 4.33 4.34 4.35 4.37 4.38 5.1 5.1.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 6.1 6.2 6.3 6.4 6.5 6.6 8.1	Ground clearance, mast Ground clearance, centre of wheelbase Aisle width with pallet 1000 x 1200, crosswise Aisle width for pallet 800 x 1200, lenghtwise Transfer aisle Turning radius Length incl reach legs Distance to swivelling-fork pivot Travel speed, with/without load Travel speed with/without load Lowering speed, with/without load Lowering speed, with/without load Gradient, with/without load Max gradeability, with / without load, 5 min rating Acceleration time 0-10 m, with/without load Service brake: electric, hydraulic Parking brake: electric, hydraulic Drive motor, rating S2 60 min Lift motor Battery according to DIN 43531/35/36 Battery voltage / Battery capacity Battery weight Power consumption according to VDI cycle Speed regulation	m1 m2 Ast Ast O Wa 17 O	mm mm mm mm mm mm mm mm mm km/h km/h m/s m/s % % s kW kW V/Ah kg kWh/h	1536 + x  11,0 / 12,0  0,12 / 0,16 0,11 / 0,089  9 / 15  Electric Electric 2,2 AC 3,0  24 / 300-600 235 - 500*  AC Transistor

<sup>\*</sup> Varies according to battery size