

# ELE 10 – 12

REDUCED DIMENSIONS B=790 MM  
AND HIGH PERFORMANCE  
MAKE PICKING AND HANDLING  
OPERATIONS EASIER



ELE

SWIVEL CASTOR WHEEL ADJUSTABLE IN HEIGHT,  
FOR LONGER LASTING AND TO IMPROVE ADHERENCE  
TO THE GROUND OF THE DRIVE WHEEL



**samag**

CHARACTERISTICS	Maker	Firm	SAMAG		
	Model	Name	ELE 10	ELE 12	
	Capacity	Q = Load maximum	t	1.0	1.2
	Load centre	c = Load centre distance	mm	600	600
	Traction	Battery, Diesel, Gas, Electric	BATTERY	BATTERY	
	Steering	Draw bar, Operator standing/seated	DRAW BAR	DRAW BAR	
DIMENSIONS	Tyres	V = Solid, L = Pneumatic front drive/rear load	L-V / V	L-V / V	
	Wheels (X = driving)	Quantity front/rear	1X+1/2	1X+1/2	
	Lift height	h3 = Lift	mm	(see table)	(see table)
		h2 = Standard free lift	mm	(see table)	(see table)
		h5 = Special free lift	mm	(see table)	(see table)
	Fork carrier plate	DIN / FEM / ISO / Covering	COVERING	COVERING	
PERFORMANCE	Forks	s - e - l	mm	60 x 180 x 1150	60 x 180 x 1150
	Overall dimensions	L2 = Length including fork support	mm	710 - 740 ❶	710 - 740 ❶
		B = Total width	mm	790	790
		h1 = Height of closed mast	mm	(see table)	(see table)
		h4 = Height of extended mast	mm	(see table)	(see table)
	Turning radius	Wa	mm	1452 - 1484 ❶	1452 - 1484 ❶
WEIGHTS	Load position	X from middle front axes	mm	710	710
	Aisle width	Ast with pallet 800 x 1200 longitudinal	mm	(2142) 2284 - (2174) 2316 ❶	(2142) 2284 - (2174) 2316 ❶
	Speed	Movement with/without load	Km/h	6 / 6	6 / 6
		Lift with/without load	m/s	0.13 / 0.22	0.13 / 0.22
		Lowering with/without load	m/s	0.25 / 0.16	0.25 / 0.16
	Gradeability	With/without load	%	8 / 9	7 / 9
TRACTION	Max gradeability	With/without load	%	8 / 9	7 / 9
	Weight	Including battery	Kg	830 ❷	830 ❷
	Axle load	With load front/rear	Kg	671 / 1159	689 / 1341
		Without load front/rear	Kg	580 / 250	580 / 250
	Wheels	Quantity front/rear		2 / 2	2 / 2
		Front dimensions	mm	Ø 230x75 - Ø 150x50	Ø 230x75 - Ø 150x50
CONTROLS		Rear dimensions	mm	Ø 85x90	Ø 85x90
	Wheel base	Y	mm	1266 / 1298 ❶	1266 / 1298 ❶
	Wheel track	At tyre centres front/rear	mm	515 / 390	515 / 390
	Space	With load m1 at lowest point	mm	35	35
		With load m2 at centre of wheel base	mm	30	30
	Service brake	Mechanical / hydraulic / electric / pneumatic		ELECTRIC	ELECTRIC
CONTROLS	Parking brake	With foot / hand / dead man		DEAD MAN	DEAD MAN
	Battery	DIN		NO	NO
		Tension/capacity with 5 hrs. of discharge	V/Ah	24 / 160-230	24 / 160-230
		Weight	Kg	151-194	151-194
	Electric motor	Traction motor power (S2 60 min.)	Kw	1 AC	1 AC
		Lift motor power (S3 15%)	Kw	2	2
WORK PRESSURE	Transmission	Type		ELECTRONIC A.C.	ELECTRONIC A.C.
	Drive unit	Type		HELICOIDAL GEARINGS	HELICOIDAL GEARINGS
	Work pressure	For equipment (accessories)	bar	130	150
	Noise level	Average noise level of human hearing	dB/(A)	< 70	< 70

**TRACTION MOTOR** and electronic controller in **AC alternate current** that guarantee:

- Greater power output, maximum performance, with less servicing necessary
- Greater coupling at low traction speed and truck performance practically identical both with and without load
- Speed maintained constant also travelling up and down ramps
- Electronic braking with energy regain

**EASY ACCESS** to components subject to servicing

#### MAIN FEATURES:

- Initial free lift of forks without any extra height out of lifting group
- Battery charge check indicator as series
- Driving type DIN batteries 160/230 Ah 24 V
- Built-in battery charger (optional)
- Proportional hydraulic controls (optional)
- Centrally fitted tiller arm for better ergonomic drive



All the control buttons (for traction, lifting + lowering of forks) and slow functions are positioned on the control box



Swivel castors and drive wheel fitted on the inside of the truck frame

#### OVERALL DIMENSIONS OF LIFTING GROUPS

TYPE	Lift height	Q Kg	Q Kg	h3	h2	h5	h1	h4	h4 grid
NON TELESCOPIC	1700	1000	1200	1620	1620	-	2080	2080	2440
	2500	1000	1200	2420	160	-	1750	2885	3250
	3000	800	1000	2920	160	-	2000	3385	3750
	3500	600	700	3420	160	-	2250	3885	4250
DUPLEX "D"	4000	-	600	3920	160	-	2500	4385	4750
	2500	1000	1200	2430	-	1270	1780	2940	3250
	3000	800	1000	2930	-	1520	2030	3440	3750
	3500	600	700	3430	-	1770	2280	3940	4250
DUPLEX "DL"	4000	-	600	3930	-	2020	2530	4440	4750

The Ast values in brackets are calculated without considering the "R" range

- ① D / DL  
② Value referring to H3500 with battery 230 Ah

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