

Electric Steering Solutions for warehouse





EL series

Electric powertrains for warehousing trucks

Bonfiglioli EL powertrains have been proved to be fit for the most demanding warehousing application for decades. Warehousing trucks require high manoeuvrability in tight spaces and are therefore demanding drives like EL series, capable of smallest operating radius both in its vertical and horizontal arrangements. Bonfiglioli, thanks to its capabilities, represents a system supplier capable of cooperating with OEM and of supplying all electromechanical components, from the brake, up to the maintenance-free electric motor and to the gearbox, specially designed for low maintenance and optimized gear profiles for noise reduction. All systems are tested at the end of assembly line before they are released for shipment.

Type	Max wheel load [kg]
EL100	1200
EL96	1500
EL300	2200
EL92	3000
EL93	3000
EL94	3000

Type	Max wheel torque [Nm]
EL100	450
EL96	500
EL300	1100
EL92	1500
EL93	1500
EL94	1500

Type	Max wheel load [kg]
EL98	800
EL20	1100
EL14	1000
EL140	2000
EL150	2000

Type	Max wheel torque [Nm]
EL98	600
EL20	550
EL14	400
EL140	850
EL150	850

DRIVES WITH VERTICAL MOTOR

Application

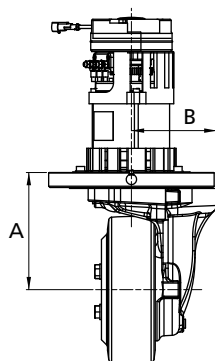
- Stackers, Reach Trucks, Pallet Movers
- Multidirectional Forklifts, Sideloaders
- Other warehousing / material handling trucks
- Indoor and outdoor use

Standard features

- Two stages helical & bevel gearboxes
- Manual Steer and Power Steer versions
- Optimized gear design for efficiency and noise
- Integrated low voltage electric motor
- Integrated parking brake
- Complete system supply with tire/ pneumatic

Optional features (available on request)

- Cold environment versions
- Integrated tiller or castor wheels supports



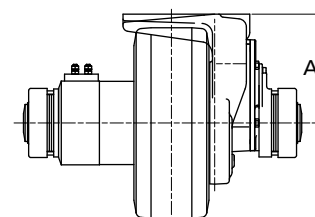
DRIVES WITH HORIZONTAL MOTOR

Application

- Pallet Movers
- Sweepers
- Other warehousing / material handling trucks
- Indoor and outdoor use

Standard features

- Optimized gear design for efficiency and noise
- Integrated low voltage electric motor
- Integrated parking brake
- Complete system supply with tire/ pneumatic



Type	Max wheel dim.	Max ratio	Max power	A	B
	inc	i	kW	mm	mm
EL100	9"	32	2	184	134.5
EL96	10"	24	3	215	147
EL300	12"	24	4.5	249	175
EL92	14"	25	7	277	187
EL93	16"	25	7	304	187
EL94	18"	25	7	325	187

Type	Max wheel dim.	Max ratio	Max power	Envelope radius	A
	inc	i	kW	mm	mm
EL98	10"	32	0.5	134	141
EL20	10"	27	2	302	150
EL14	10"	34	0.85	238	170
EL140	12"	29.3	2	177	164
EL150	14"	29.3	2	183	200