

Data sheet

*The EZTow's proven platform enables **automation** on cross indoor/outdoor flows for increased **safety, efficiency and reliability.***



PRODUCTIVITY

EZTow can operate up to 24/7 in complex indoor and outdoor environments, without dedicated infrastructure. It is suited for both industrial sites and logistics centers, increasing productivity, and so competitiveness.

FLEXIBILITY

EZTow navigates amongst all road users on the existing infrastructure, with no need for heavy dedicated construction work. Our EZFleet, fleet management system is intuitive and easy to use. It also interfaces with existing systems (eg. WMS platforms).

SAFETY

EZTow uses a range of sensors to navigate complex environments safely. It has been designed following the highest safety standards and our step-by-step approach is founded on years of real-world deployment.

COST OPTIMIZATION

Procurement models include purchasing, leasing and pay-per-use. Reduce the costs of logistics operations, losses and damages while engaging the workforce with high value-added tasks.

PERFORMANCE

EZTow combines EasyMile expertise in autonomous technology with TLD's robust vehicle platform. It can transport high payloads at higher speed than regular AGVs.



TECHNICAL DATA (ACCORDING TO VDI 2198)

CHARACTERISTICS

1.1	Manufacturer		TLD/EasyMile
1.2	Model designation		EZTow
1.3	Power unit		Electric
	Operation mode		Hybrid (Automated / Manual)
1.5	Rated tractive force (Automated / Manual)	Metric tons	14/25
1.7	Rated drawbar pull	F (daN)	2000
1.9	Wheelbase	y (mm)	1500

WEIGHT

2.1	Service weight (without battery/with battery)	(Kg)	2570(without battery) / 4100(with battery)
2.3	Axle load without load, front / rear	(Kg)	2000 / 2000

TYRES-CHASSIS

3.1	Tyres		Pneumatic
3.2	Tyre size, front		6.50 R10
3.3	Tyre size, rear		7.00 R12
3.5	Wheels, number front / rear (x = driven)		2 / 2x
3.6	Track width, front	b10 (mm)	1360
3.7	Track width, rear	b11 (mm)	1360

DIMENSIONS

4.7	Height of overhead guard (cabin)	h6 (mm)	2100
4.8	Height of seat/stand-on platform	h7 (mm)	820
4.12	Towing coupling height	h10 (mm)	350 & 435
4.19	Overall length	l1 (mm)	3200
4.21	Overall width	b1 (mm)	1900
4.32	Ground clearance, centre of wheelbase	m2 (mm)	160*
4.35	Turning radius (automated / manual)	Wa (mm)	4750 / 3600

PERFORMANCE

5.1	Travel speed maximum (automated)	(Km/h)	15
5.10	Service brake		Electric/hydraulic

ELECTRIC MOTOR

6.1	Drive motor rating (S2-60 min)	(kW)	13
6.4	Battery voltage/nominal capacity K5	(V/Ah)	Lead-acid battery: 80 / 620 Lithium-ion battery: 80 / 544
6.5	Lead-acid battery weight (± 5%)	(kg)	1600

DRIVE

8.1	Type of drive unit		AC
8.5	Coupling		2-levels manual rear hitch
8.6	Wheel drive		Hydraulic
8.12	Parking brake		Hydraulic

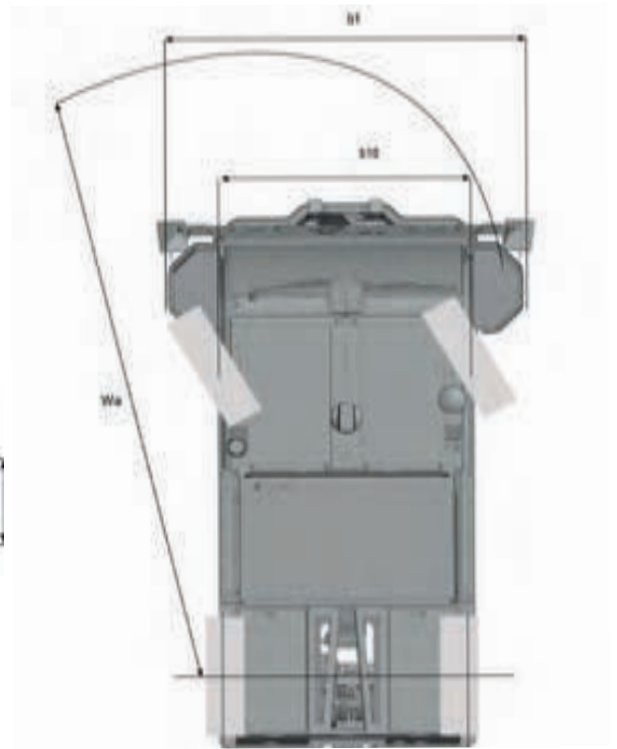
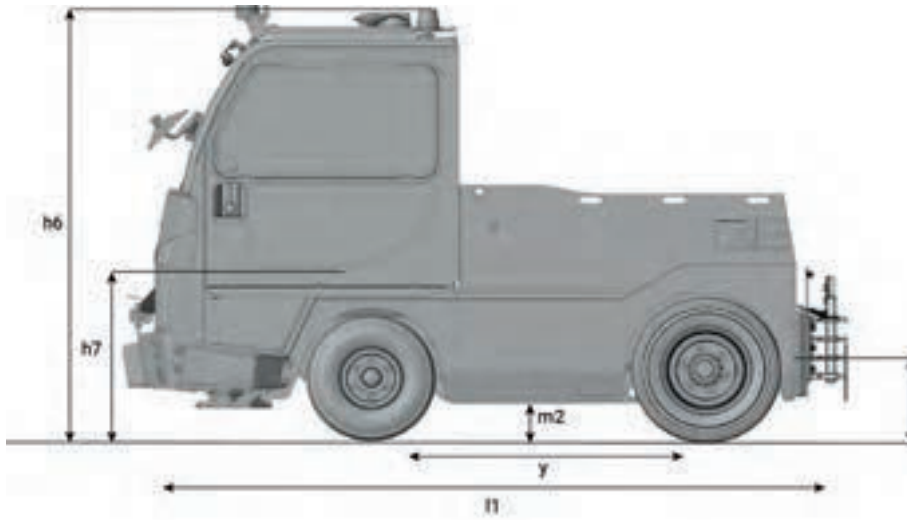
OPERATIONS

	Main components for localization and navigation		Hybrid localization and navigation technology relying on: GNSS, Lidar, camera, odometry, inertial measurement unit
	Main components for Safety		Safety Lidars, safety ECU, emergency stops, audio and visual signals
	Communication features		4G connection to EasyMile Cloud infrastructure, NRTK and communication with infrastructure
	Human-machine interface		Rear panel screen with buttons (outside) 7" Touchscreen (inside the cabin) Fleet Management Control Center (remote)

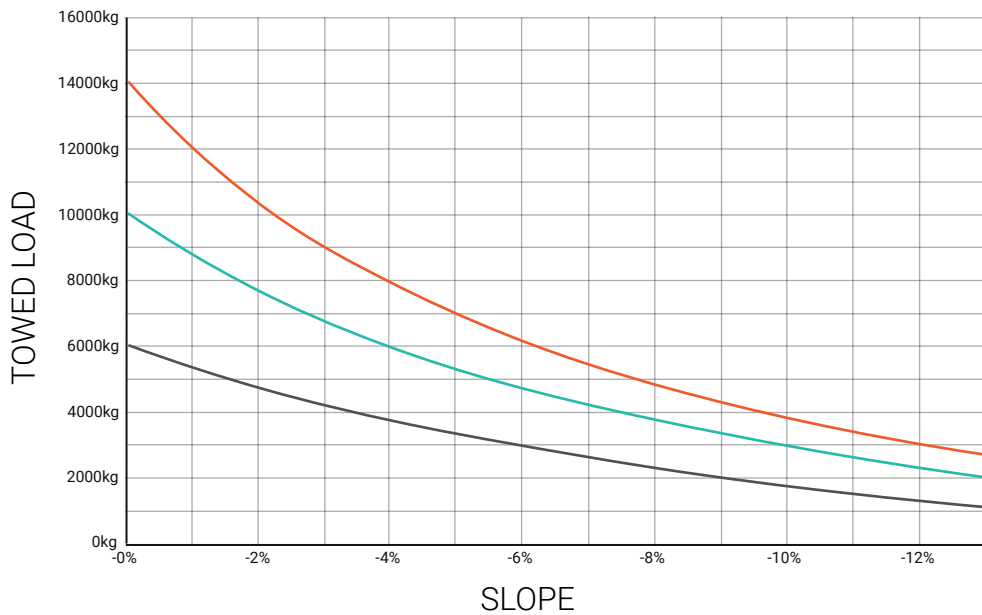
ENVIRONMENTAL CONDITIONS

	Rain	(mm/h)	10
	Operating temperature, max/min	(°C)	+45 / -20
	Storage temperature, max/min	(°C)	+50 / -20
	Visibility	(m)	from 200
	Snowflakes	(cm)	1 (with speed reduction)
	Humidity	(%)	up to 90

* Ground clearance with automatic charging equipment (option): 45mm



EZTOW ABACUS



- Configuration 6T max - Max speed* 15km/h
- Configuration 10T max - Max speed* 13km/h
- Configuration 14T max - Max speed* 10km/h

* Maximum speed may be subject to local constraints (site specificities, environment/climate, regulations,...)

OPTIONS

Energy: Lead-acid and Li-ion, battery and charger
 Automatic charging (Lithium only) - conductive
 Communication with infrastructure
 Custom paint on chassis, cabin and/or doors

Specific needs can be studied on request.

ez tow

AUTONOMOUS TOW TRACTOR



Operation
Up to 24/7



Environment
Outdoors with
capability to
cross indoors



Interconnectivity
Integrate with APIs

