



ELECTRIC TRACTORS

BULL 7E
BULL 7E CAB

Latest-generation tractor family: combines excellent performance with a modern design that opts for innovative solutions and materials.

Self-supporting bodywork with extruded steel mudguards and pressed steel front to protect the machine against accidental collisions.

The high capacity battery can be removed both vertically and sideways, since it rests on bearings.

Compact dimensions, easy-to-use controls and performance make these machines ideal for use both indoors and outdoors. They can also be equipped with a professional cab, with PVC or metal doors.

The dashboard features an interactive display that provides information about the battery charge, hours worked, instantaneous speed, service conditions and technical faults. It also allows the operator to select the maximum speed for indoor and outdoor use. Starting by badge and Black Box are also available on request. The machine is operated by an AC system so, besides driving it, the motor also functions as a regenerative brake when the operator releases the accelerator.

The high capacity battery 48 Volts and easily replaced, since it can be removed ,vertically and laterally, from the machine.





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CHASSIS: in very thick metal sheet forming a self-supporting box structure.

TRANSMISSION: the vehicle is driven by an asynchronous motor directly flanged on the differential axle.

The asynchronous motor has an electric brake that acts as a parking brake.

It also has an Encoder that interfaces with an electronic control unit and allows the system to adjust the speed of the motor so that the tractor speed corresponds to the driver's requirements in all conditions of use.

ELECTRIC SYSTEM: an AC chopper monitors the performance of the AC motor.

The entire chopper/motor/brake system can be programmed via the console so as to ensure optimum performance for the specific work required.

BRAKE SYSTEM: the rear hydraulic drum brakes are operated by a pump, controlled by the operator using a pedal. The electric system allows the motor to also act as a brake when the accelerator is released: in this case, the braking action is regenerative.

INSTRUMENTATION: complete motor car type instrumentation including low battery warning indicator, hours worked and fault indicators, hare / tortoise indicator, horn, light switch, turn indicator switch.

POWER SUPPLY: a 48 V 300 A battery with considerable autonomy allows the tractor to operate for a long period of time and, thanks to its large capacity, will not normally be subjected to stress. This makes it extremely long-lasting.

SAFETY DEVICES: seat occupancy micro, seat belt, battery quick release device, battery safety retainer, AC system for speed control, automatic parking brake.

Compliance with the regulations in force and CE certification.

CABS: with shaped structure made of steel. Tempered glass windscreen covered on the inside with safety film. The cabs can either be without doors or with doors in PVC or metal glass. They can also be equipped with rear view mirrors, panoramic internal mirror, windscreen wiper, revolving beacon.



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CHARACTERISTICS		dim.un.	
Manufacturer			
Model		BULL7E	
Platform loading capacity	Nominal capacity	Kg.	200
Pull capacity	Load nominal capacity	Kg.	7000
Power type	Electric/Endothermic	electric	
Control type	Pedestrian/stand-on/Seated	seated	
Tyres	Pn - pneum. / se - superel.	se	
Wheels	Number front/rear X=drive	Nr.	3 - 1/2x
Platform dimensions	h6 (length x width)	mm.	470x935

DIMENSIONS			
	h = machine body hight	mm.	155
	L = lenght	mm.	2025
	B = width	mm.	965
	h 3 = feet panel hight	mm.	265
	h 4 = steering/handle hight	mm.	750
	h 2 = thiller hight		
	h 5 = seat hight	mm.	520
	h6 = hight turning light	mm.	1830
	h 7 = cabin turning light hight	mm.	2100
	h 1 = cabin hight	mm.	1950
	h 9 = cabin width	mm.	985
Turning radius	R1 = front min. external	mm.	1950
	R2 = rear min. external	mm.	1190
	R3 = rear min. internal	mm.	150
Aisle width	U-turn	mm.	3300
Hook hight	s = hook center to ground	mm.	255-325-395

PERFORMANCE			
Speed	Without / with load	Km./h	14/9
Tractive effort	Continuative work 60'	N.	1900
	Max in plane x 5"	N.	5800
Gradeability	Without/width	%	see diagrams
Weight	With battery	Kg.	1000
Axles load	Front/rear with battery	Kg.	330/670

TRACTION			
Wheels	Front diam./ width	mm.	380x130
	Rear diam./ width	mm.	404x104
Wheelbase	y = pitch	mm.	1470
Trach	C posterior wheels center	mm.	845
Ground clearance	clearance at half chassis	mm.	155
Working brake	Mecc./hydraul./elettr.	Hydraulic	
	Brake axles number	N.	1
Parking brake	Mecc./hydraul./elettr.	Elettr.	
Suspensions	Spring/laf spring/schock absorber	---	

POWER SUPPLY			
Battery	Type	Reinforced	
	Capacity	V./Ah.	48-300(c5)
	Weight	Kg.	495
Electric motor	Translation power S2=60°	Kw.	5
Electric system	electronic control	Inverter AC	
Steering	Mecc./hydraul./elettr.	Mechanics	
Transmission	Mecc.	Mechanics	
Towing hook	manual - automatic	Manual	
Autonomy	working hours witm medium work	h.	6-8

