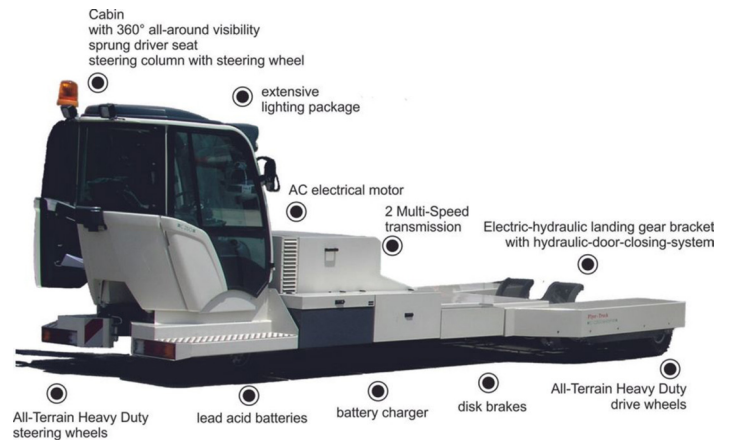


# RBFT C200-400 Electro

MGTOW 40,000 kg / 88,000 lbs



## TECHNICAL DATA

### ENGINE / DRIVE SYSTEM

- 2 x AC Electric engine 48V, 7.5 kW, Total 15 kW
- Single gear PMS

### CONTROL SYSTEM

Pulse contact control, all wheel and permanent steering

### OPERATIONS

- Steering wheel operated, Electric hydraulic steering system
- Landing gear bracket operated by joystick and power pedal

### FRAME

- For aircraft up to approx. 40,000 kg, 88,000 lbs
- Weight: 7,650 kg
- Truck empty weight: 3,650 kg
- Pick up weight max.: 4,000 kg
- Dimensions: LxWxH 5.40 x 2.55 x 2.10 m
- Based on ground conditions concrete, asphalt

### SPEED

- Step 1: approx. 0 – 5/7 km/h
- Step 2: approx. 0 – 18/22 km/h
- Range approx. 6 hours operation time

### BATTERIES

Lead acid batteries 48 V 640 Ah. Batteries are sealed in a protective case and can easily be replaced

### BATTERY CHARGER

- HF charger 230V-48V 120A with charge level indicator
- Charging time 5 hours

### BRAKE

- Hydraulic oil-multi-disc brake, low-wear on the gearbox
- Parking brake multi-disc brake

### TYRE

- Drive wheels rear: 23 x 9-10 Solid Tyre / 136x170x10x18,5
- Steering wheel front: 16 x 6-8 Solid Tyre / 4.33 R-8

### CABIN

One-person drive cabinet, with easily accessible controls. Cabin comes complete with side door, sliding window

### LANDING GEAR BRACKET

Electric hydraulic landing gear bracket:

- Complete electrically guided, hydraulic lifting and holding
- Hydraulic door opening and closing system
- Hydraulic ramp for different wheel diameter
- Roller system
- Wheel locking system to prevent jumping
- Wheel lockdown for single and double landing gear wheels
- Safety lock system to prevent door opening

Dimensions: - max. landing gear width 570 mm

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## LIGHTING

Safety and drive lights as standard

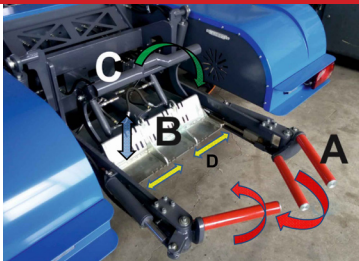
## EQUIPMENT

- Front and rear windshield wipers with windscreen wash
- Cabin heating
- Signal horn
- Fire-extinguisher

## OPTIONAL EXTRAS

- Two-person driver's cabin with easily accessible controls. Cabin comes complete with side door, sliding window, 360° range of sight, and the driver's cabinet is rotatable to 180°
- Heated seats
- Docking camera and TFT 5,5 inch colour monitor
- Airconditioning
- Heated exterior mirrors
- A remote control for all major operations
- Inlay shoe for wheel diameter up to 250-300 mm
- Single wheel side wheel holder
- Operation monitoring system
- Over steering control
- Overweight control
- Custom painting

## LANDING GEAR BRACKET



A hydraulic doors with rotatable draw roll

B Ramp

C Wheel hold system

D Side wheel holder

Technical Safety Systems



## ADDITIONAL TECHNICAL SPECIFICATION

The FT tugs are build with safety and ease of response at the forefront of our technology.

### EMDSL (ELECTRONIC MECHANIC DOOR SAVE LOOK) STANDARD

The EMDSL protects the nose wheel against accidental opening of the nose landing gear hold bars. Two independently working security systems stop the hold bars from opening. The mechanical system blocks the opening process with heavy wedges which automatically free themselves when setting down the nose landing gear again. The electronic system recognises the raised landing gear status and interrupts the other control system for opening the bars.

### OMS (OPERATION MONITORING SYSTEM) OPTIONAL

The OMS is the main-communication terminal for all operational settings in the vehicle. An electronic computer-controlled monitoring system determines the current situation of all vital equipment. Data is indicated on a Dashboard for the driver. If the equipment starts operating outside of its paramotors this is indicated with red flashing warning light and alarm signal.

### HDCS (HYDRAULIC DOOR CLOSING SYSTEM) OPTIONAL

All HDCS adapters on the FT C-series are equipped with an EDMSL. The current status is indicated on the OMS (When fitted).

Indicating the following

- Doors open and closed
- Wheel holder open-close and pressure gauge in bar to the nose wheel
- Lifting position HDCS down, up, ground contact

### OSC (OVER STEERING CONTROL) OPTIONAL

When you are towing an aircraft, it is important observe the steering angle of the nose landing gear (max. tow limit). Our OSC system enables you to preprogram a wide range of aircraft types.

With nose wheel dimentions programed, the 3 attached lasers then detect the dimensions and distances during the towing operation. If a distance becomes critical, the operator is informed.

The system takes a photo of the nose wheel before and after towing.

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MGTOW 40,000 kg / 88,000 lbs

## DISPLAY FOR OSC AND OMS



## LANDING GEAR BRACKET

It is designed with full aircraft and operator safety in mind. If the aircraft is not positioned correctly the tug will not allow the landing gear to be picked up.

## STEERING ANGLE CONTROL DURING DRIVE

There is a maximum movement between Tug and aircraft of 60 degrees either way (this can be configured to customer requirement). If oversteering occurs then an alarm will sound, and it will be displayed on the OMS (if one is fitted). If the operator continues to oversteer then the Tug will come to a stop. Counter steering will allow you to continue to move the aircraft.

## OWC (OVERWEIGHT CONTROL) OPTIONAL

The OWC is a landing gear weighing system. While raising the landing gear the actual landing gear weight is determined. The weighing result is indicated on the OMS (if fitted). If the allowed landing gear weight is crossed, the weighing result flashes in the Dashboard with the note "OVERLOADED". The Tug will automatically shut down the ability to move forward and backwards.

## NEO (NON ENGINE OPERATION) OPTIONAL

Should the Tug experience a complete loss of power for any reason, the tug is fitted with manual operations for all vital parts. This ensures that an aircraft can still be lowered and uncoupled easily.

## THE LANDING GEAR BRACKET

- Electro-hydraulic and universal for single and double nose wheels
- Two-part wheel bars for an even pressure distribution on the tyres with single and double nose wheels
- The hydraulic wheel holder prevents uncontrolled movement of the nose wheel
- Double protection of wheel bars, electronic and manual locking.
- Power failure backup system
- Fully electrical system to elevate the nose wheel
- One button aircraft release

## SURGE CONTROL / BATTERIES

- The surge control ensures a steady stream of power to the engine, and protects the batteries
- The unit is fitted as standard with lead acid batteries. You can change as an option for lead gel batteries or Lithium batteries
- There is surge control throughout the tug to protect all components. The batteries are protected against deep discharge

## CHARGER

Intelligent charger for optimum battery charging. Offering standby/float when the batteries are fully charged. The charger can be left plugged in at all times.

## CABIN

The modern vehicle cabin has numerous special features and functions:

- Large entrance door and large panoramic windows for unrestricted all-round visibility
- Sliding window left and right
- Large windscreen wiper front and rear
- Seat with suspension, height and position adjustable
- Steering column with steering wheel, large display, adjustable
- Armrest with joystick
- Foot brake and power pedal