

Explosion Proof Internal Combustion Forklift

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: GOODSENSE
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: Bare packaging
- Delivery Time: 30-40work days
- Payment Terms: T/T



Product Specification

- Name: Explosion Proof Internal Combustion Forklift
- Feature: High Safety
- Place Of Origin: China
- Brand Name: Goodsense
- Name: Forklift
- Condition: New
- Energy Supply: Reference Introduction
- Advantage: Small Vibration And Noise
- Highlight: **explosion proof battery forklift electric ,
explosion proof 4 wheel electric forklift ,
new battery forklift electric**

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Product Description

Safe Logistics Service Owing to Explosion Protection EXPLOSION-PROOF TRUCKS

Possibly explosive gas mixtures, steams, gauze, or dirt clouds are effected as a co-product of processes in many industrial sectors. These include the medication and chymic industry, the presswork and paper sectors, as well as other areas such as grain or saccharide processing. In these companies, intralogistics trucks must assure the maximum level of explosion protection in order to avoid accidents.

GOODSENSE forklift therefore offers plenty counterbalanced trucks, reach trucks, pallet stackers and pallet trucks in explosion-proof 'Ex' versions, meaning that the entire material flow in a company can be carried out under explosion-proof conditions. Components which could produce sparking, such as drive components, wheels or even lifting forks, are protected through surface treatment.

In addition, the surface temperature of individual truck components is conducted in order to prevent overheating. Despite this additional equipment, the explosion proof internal combustion forklift trucks keep up the cost-effectiveness, handling performance, and ergonomic design that GOODSENSE is known for.



Standard-Compliant in Hazard Zones

The legal requirements for explosion protection are constantly being developed and normal. It is important to carry out these rapidly and properly. All explosion-proof versions of GOODSENSE trucks and warehousing equipment meet with the most latest lawmaking, as does the documentation associated with them. They comply with the EU regulations on the use of equipment in possibly explosive environment (EN 1755) and the ATEX Directives 2014/34/EU.

The use of harmonized standards in the development process ensures CE conformity. All concerned components, devices and modules, as well as the whole truck must experience a type test or be manifested by an recognized, respected testing center. GOODSENSE provides trucks for use in potentially explosive atmospheres, caused by gas, vapor or dust, which occur betweenwhiles (Zone 1/Zone 21) or provisionally (Zone 2/Zone 22) during normal operation. Trucks in categories 2G/D and 3G/D are accommodated accurately to each conditions of use, which are derived from the customer's explosion protection document.

Explosion Protection Measures

GOODSENSE trucks are specially designed to meet the requirements for working in potentially explosive areas. They combine the well-known advantages of series-produced trucks with comprehensive explosion protection measures according to the ATEX product guidelines.

A range of protection measures is used to protect electrical equipment such as motors, controls, sensors, switches or displays. GOODSENSE uses fire-retardant attachment, increased safety, essential safety, capsulation, tight devices, non-sparking equipment and confined breathing housings.

Constructive measures protect the mechanical equipment. The mechanical sparks is avoided on the forks and brakes. Plastic components such as floor mats, tires, tanks and seat covers are protected against dangerous franklinic charges.

Electronic temperature monitoring ensures that no extreme high temperatures are reached, even under extreme operating situations.

DESIGNED ACCORDING TO EXPLOSION GROUP AND TEMPERATURE CLASS

During the design of explosion proof internal combustion forklift trucks, GOODSENSE engineers use technologies designed for defined explosion groups and temperature classes. Potentially explosive substances are categorized into certain explosion groups depending on how subtle they are. Trucks for use around substances in higher explosion groups, such as hydrogen, require more extensive protective measures. The substances are also ranged according to the temperature at which they become explosive as a gas or vapor. The constituents of the forklift truck are designed consequently.



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