



"Recognized under the Component Program of Underwriters Laboratories Inc."



Electric-Battery-Powered Industrial Trucks

File Au2416

Use

For use only in equipment where the acceptability of combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability

The Unit is for use on trucks rated 36 or 48 V dc.
The unit is for use in either Type E, ES, EE or EX sit-down

PRODUCT COVERED:

Component - Cab unit, "E" Series.

These requirements cover electric- battery-powered industrial trucks, such as tractors, platform-lift trucks, fork-lift trucks, and other vehicles designed for specific industrial uses, with respect to a risk of fire, electric shock, and explosion. These requirements do not cover such electric-battery-powered industrial trucks with respect to other possible risks that may be associated with the use of such trucks.

Electric-battery-powered industrial trucks covered by these requirements are identified as follows:

Type E - An electric truck having minimum acceptable safeguards against an inherent risk of fire and electric shock.

Type ES - An electric truck that in addition to having all of the safeguards of a Type E truck is provided with additional safeguards to the electrical system to prevent emission of hazardous sparks and to limit surface temperatures.

Type EE - An electric truck provided with safeguards in addition to those required for Type E electric trucks.

Type EX - An electric truck for use in hazardous locations, Class I, Group D and Class II, Group G, as defined in Article 500 of the National Electrical Code.

Other reference standards applying to power-operated industrial trucks are as follows:

Powered Industrial Trucks, Safety Standard for ANSI/ASME B56.1-1983. (requirements relating to the elements of design, operation, and maintenance of powered-industrial trucks.)

Powered Industrial Trucks, Type Designations, Areas of Use, Maintenance, and Operation, ANSI/NFPA 505-1981. (Relates to a classification of industrial trucks as to areas of use, maintenance, and operation.)

Electric-Battery-Powered Industrial Trucks, ANSI/UL 583. (Requirements relating to fire, electric shock, and explosion protection.)

Industrial Trucks, Internal Combustion Engine-Powered

File Au2502

Use

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability

The unit is for use on trucks rated 12 V and 24 V dc.
The unit is for use in either Types G, GS, LP, LPS, D, DS, G/LP and GS/LPS internal combustion trucks.

PRODUCT COVERED:

Component - Cab unit, "S" Series.

These requirements cover the fire safety aspects of industrial trucks with internal-combustion engines, such as tractors, platform-lift trucks, fork-lift trucks, and other specialized vehicles for industrial use. These requirements do not cover other possible safety aspects of such equipment.

Internal-combustion engine-powered industrial trucks covered by these requirements are identified as follows:

Types G, D, LP, and G/LP - Trucks fueled with gasoline (G), diesel fuel (D), liquefied petroleum gas (LP), or either gasoline or liquefied petroleum gas (G/LP), having fuel, electrical, and exhaust systems provided with minimum acceptable fire safeguards.

Types GS, DS, LPS, and GS/LPS - Trucks fueled with gasoline (GS), diesel fuel (DS), or liquefied petroleum gas (LPS), or either gasoline or liquefied petroleum gas (GS-LPS), provided with safeguards in addition to those required for Types G, D, LP, and G/LP.

Other reference standards applying to power-operated industrial trucks are as follows:

Powered Industrial Trucks, Safety Standard for ANSI/ASME B56.1-1983. (requirements relating to the elements of design, operation, and maintenance of powered-industrial trucks.)

Powered Industrial Trucks, Type Designations, Areas of Use, Maintenance, and Operation, ANSI/NFPA 505-1981. (Relates to a classification of industrial trucks as to areas of use, maintenance, and operation.)

Electric-Battery-Powered Industrial Trucks, ANSI/UL 583. (Requirements relating to fire, electric shock, and explosion protection.)

"INNOVATORS"™ In the Designing and Building of Cab Enclosures



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