

HAZARDOUS ENVIRONMENT LIFTS

Typically most standard Aerial Work Platforms manufactured in North American meet basic UL ratings and provide minimal protections against Spark and Shock. In areas where increased protection is needed, NFPA (National Fire Protection Association) has type designations for the various equipment as identified in the table below:

Our team includes members that were on the NFPA (505) and UL (583) standards committees providing design input in the development of these standards. We have designed hundreds of lifts for hazardous locations and can design to most of these type designations.

Call or email us for specific information.

Fuel Type and Special Design (if any)	Type Designation
Electrical (Battery)	E
Electrically powered unit that, in addition to meeting all the requirements for Type E units, is provided with additional safeguards to the electric system to prevent the emission of hazardous sparks and to limit surface temperatures	ES
Electrically powered unit that, in addition to meeting all the requirements for Type E and ES units, has its electric motors and all other electric equipment completely enclosed	EE
Electrically powered unit in which the electric fittings and equipment are so designed, constructed, and assembled that the unit can be used in atmospheres containing specifically named flammable vapors, dusts, and, under certain conditions, fibers	EX
Gasoline	G
Gasoline powered unit that, in addition to meeting all the requirements for Type G units, is provided with additional safeguards to the exhaust, fuel, and electric systems	GS
Diesel	D
Diesel with additional safeguards to the exhaust, fuel, and electric systems	DS
Diesel-powered unit in which the diesel engine and the electric fittings and equipment are so designed, constructed, and assembled that the unit can be used in atmospheres that contain specifically named flammable vapors, dusts, and, under certain conditions, fibers	DX
Diesel-powered unit and any electric equipment is completely enclosed and equipped with temperature-limitation features	DY
LPG	LP
LPG powered unit that is provided with additional safeguards to the exhaust, fuel, and electric systems	LPS
CNG	CN
CNG powered unit that is provided with additional safeguards to the exhaust, fuel, and electric systems	CNS
Dual Fuel – Gasoline/LPG	G/LP
A unit that operates on either gasoline or liquefied petroleum gas and is provided with additional safeguards to the exhaust, fuel, and electric systems	GS/LPS
Dual Fuel – Gasoline/CNG	G/CN
Unit that operates on either gasoline or compressed natural gas and, in addition to meeting all the requirements for Type G/CN units, is provided with additional safeguards to the exhaust, fuel, and electric systems	GS/CNS
Compressed Gaseous Hydrogen	H ₂