

IXOLIFT® **LIFTING
LIVES**

ADJUSTABLE WORK PLATFORMS

ATEX Certification

Non-electrical equipment



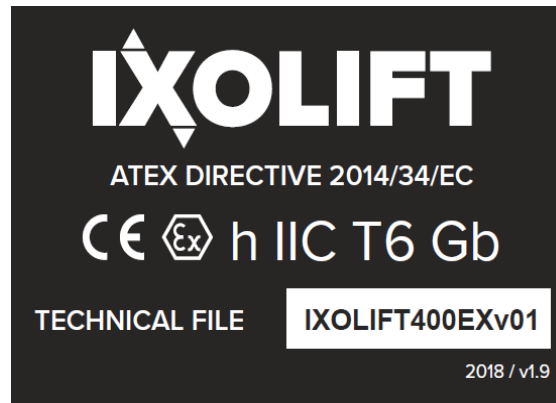
- IXOLIFT 400 has been assessed by a competent 3rd party consultant according to applicable standards for Explosive Environments
 - EN 1127-1: 2011, EN ISO 80079-36:2016 and EN ISO 80079-37:2016
- The **Internal Production Control Method** follows the ATEX Directive 2014/34/EU, applicable from 20 April 2016
 - The manufacturer can **self certify non-electrical ATEX category 2 equipment** as described in Article 13 (b)(ii)
 - applicable for **non-electrical equipment without internal combustion engine in equipment groups I and II, equipment categories 2 and M2.**
 - Ixolift has to lodge the ATEX technical file with a Notified Body
 - Notified body number used, [0537 – VTT Technical Research Centre of Finland](#)

ATEX Marking

Non-electrical equipment, type plate

- Ixolift has been marked according the standard for non-electrical equipment
 - Note, per EN ISO 80079-36:2016, the marking for non-electrical equipment does not separate between gas (G) and dust (D) markings in the same way as it does for electrical equipment. Hence there is no IP classification, as these are applicable only for electrical equipment.

- We did however find some additional details that are good to put on the type plate. This type plate can only be used next to the main type plate with the serial number



Old



New

ATEX Marking

Non-electrical equipment, marking map

Type of protection



vs. IXOLIFT II 2G IIC T6 Gb & II 2D IIC T60° C Db

Firedamp-endangered areas		
Group I		Methane
Gas explosion hazardous areas		
Group II	IIA	Propane
	IIB	Ethylene
	IIC	Hydrogen
Dust explosion hazardous areas		
Group III	IIIA	Combustible lint
	IIIB	Non-conductive dust
	IIIC	Conductive dust

Max. surface temperature

Gas explosion hazardous areas: Temperature classes	
450 °C	T1
300 °C	T2
200 °C	T3
135 °C	T4
100 °C	T5
85 °C	T6
Dust explosion hazardous areas: Surface temperature	
T ... °C (Example: T 80°C)	

ATEX marking

Equipment group I: mining; Equipment group II: other areas

Classification	Zone 0	Zone 20	Zone 1	Zone 21	Zone 2	Zone 22	Mining
Hazardous explosive atmosphere	Constantly, frequently or long-term		Occasionally		Seldom and short-term		
Equipment category	1G	1D	2G	2D	3G	3D	M1 or M2

Equipment category and equipment protection level (EPL)

Classification	Zone 0	Zone 20	Zone 1	Zone 21	Zone 2	Zone 22	Mining
EPL (IEC/EN 60079-0)	Ga	Da	Gb	Db	Gc	Dc	Ma or Mb

Type of protection	Symbol Standard	Zone	Main application	Standard
	h	0, 1, 2 20, 21, 22	Couplings, pumps, gear drives, conveyor belts	ISO 80079-37 EN ISO 80079-37
	h	1, 2	Brakes, couplings	IEC 60079-1 EN 60079-1
	h	1, 2 21, 22	Pumps	IEC 60079-2 EN 60079-2
	h	0, 1, 2 20, 21, 22	Submerged pumps, gears,	ISO 80079-37 EN ISO 80079-37
	h	0, 1, 2 20, 21, 22	Pumps, conveyor belts	ISO 80079-37 EN ISO 80079-37
	h	20, 21, 22	Equipment exclusively for dust explosion hazardous areas	IEC 60079-31 EN 60079-31

Source: [ex-marking-nonelectrical-equipment.pdf](#)