

LIFE JUMP AIR PACK 100 A

REFIREX®

DATA SHEET

RESCUE CUSHION FOR JUMPS UP TO 100 FEET

DO NOT USE IN RAIN



Picture type (for example only)

Big fires in buildings with more floors than normal can often cause of major problems in rescue operations, as traditional evacuation methods have significant limitations - the number of people who can be evacuated from upper floors; time taken to carry out such an operation; difficult direct access to the rescue zone (inner courtyards, narrow roads, hilly or loose ground, stairs).

LIFE JUMP 100A offers a realistic and efficient solution to such problems.

The **LIFE JUMP 100A** safety cushion has been studied and produced in cooperation with market leaders in the fields of ventilation and plastics using certified raw materials and quality control systems.

Produced in self-extinguishing, waterproof, anti-acid, highly tear and abrasion resistant material, guarantees an excellent level of reliability and strength.

Working at low pressure the cushion can stand small tears or breakages without its properties as a rescue device being compromised.

LIFE JUMP 100A consists of three basic elements, two fans and an inflatable cushion, is easy to use -three operators are enough to prepare the cushion in about 5 minutes, inflation itself taking no more than a minute once the fans are turned on.

LIFE JUMP 100A is about 2,40 meters high and has a surface area of 45,6 m².

The jumping cushion can be assembled at sites that pose access problems or even on the roofs of parked cars. The two helical electric fans provided are perfectly suited for use with the cushion; they have IP 55 motors, are supplied with 30m self-extinguishing connecting cables, plugs according to the CE IP 67 norm and can be powered either from the mains or by the generators normally supplied on vehicles in use in Fire Brigades. The fans can even be used in rainy conditions.

INFLATION TIME

UPPER CHAMBER (WHITE)	TYPE QC 634 M	TIME ≈ 36 s
LOWER CHAMBER (RED)	TYPE QC 504 M	TIME ≈ 75 s

TOTAL ≈ 111 s

WEIGHT

LIFE JUMP 100A safety cushion without electric fans	Kg 195
Electric fan type QC 504 M	Kg 30
Electric fan type QC 634 M	Kg 42



DANGER

**ONLY FOR RESCUE OPERATIONS
NOT FOR USE IN TRAINING**

LIFE JUMP AIR PACK 100 A safety cushion is not for team training of the Fire Brigades.

The buyer will assume the responsibility for the use and the operations carried out with the equipment.

DATA SHEET

Electric fan type QC 634 M	DIMENSIONS	800 × 800 × 330 [mm]
	WEIGHT	42 [kg]
	FLOW RATE	8910 [m³/h]
	TOTAL PRESSURE	164 [Pa]
	INTERNAL FLOW RESISTANCE	47 [Pa]
	STATIC PRESSURE	117 [Pa] (T=15°C)
	ACTIVE POWER	1,10 [kW] (4 poles 230 V - 50 Hz)
	RPM	1380 [g/m']
	ELECTRICAL INPUT	2,8 [A]
	BLADES	9 elements
	HEAT RESISTANCE	+ 50° C
	FRAME TYPE	Sheet zinc.
	BLADES PROTECTION	WIRE NET (UNI 9219 DIN 31001)
	ACOUSTIC PRESSURE	65 [dB] ISO 3744
Electric fan type QC 504 M	DIMENSIONS	650 × 650 × 280 [mm]
	WEIGHT	30 [kg]
	FLOW RATE	3150 [m³/h]
	TOTAL PRESSURE	130 [Pa]
	INTERNAL FLOW RESISTANCE	21 [Pa]
	STATIC PRESSURE	149 [Pa] (T=15°C)
	ACTIVE POWER	0,55 [kW] (4 poles 230 V - 50 Hz)
	RPM	1370 [g/m']
	ELECTRICAL INPUT	1,6 [A]
	BLADES	8 elements
	HEAT RESISTANCE	+ 50° C
	FRAME TYPE	Sheet zinc.
	BLADES PROTECTION	WIRE NET (UNI 9219 DIN 31001)
	ACOUSTIC PRESSURE	68 [dB] ISO 3744
LIFE JUMP AIR PACK 100 A SAFETY CUSHION	INFLATED CUSHION DIMENSIONS	7600 × 6000 × 2400(H) [mm]
	USEFUL SURFACE	45,6 [m²]
	VOLUME OF DEFLATED CUSHION	1,4 [m³] (fans excluded)
	WEIGHT	195 kg
	MATERIAL	polyester PVC
	MATERIAL COATING (FIRE RETARDANT)	CL. 2 R.F. 1/75 e 3/77 DIN 4102-B1 e BS 5438/89 UNI 4818-19 e UNI 4817-27
	TENSILE STRENGTH OF UPPER CHAMBER	280 daN / 5 cm (DIN 53354 e UNI 4818-6)
	TENSILE STRENGTH OF LOWER CHAMBER	300 daN / 5 cm (DIN 53354 e UNI 4818-6)
	TENSILE STRENGTH DIAPHRAGM	250 daN / 5 cm (DIN 53354 e UNI 4818-6)
	TEAR RESISTANCE OF UPPER CHAMBER	30 daN / 5 cm (DIN 53363 e UNI 4818-9)
	TEAR RESISTANCE OF LOWER CHAMBER	30 daN / 5 cm (DIN 53363 e UNI 4818-9)
	TEAR RESISTANCE DIAPHRAGM	25 daN / 5 cm (DIN 53363 e UNI 4818-9)
	ULTIMATE TENSILE STRESS	250/280 daN / 5 cm (DIN 53354 e UNI 4818-6)
	ADHESION (PEELING TEST)	1,6/1,8 kg/cm (ISO 2411)
	TENSILE STRENGHT	44,5 g/TEX
	THERMAL RANGE	-20°C ÷ +70°C (ASTM D 751)
	LIGHT RESISTANCE	DIN 53388 Level 7/8
ULTRASONIC WELDING 12 KW		

- ❖ DATA SHEET CAN REPLACE WITHOUT NOTICE
- ❖ DATA SHEET CAN CHANGE OF ± 5 %.