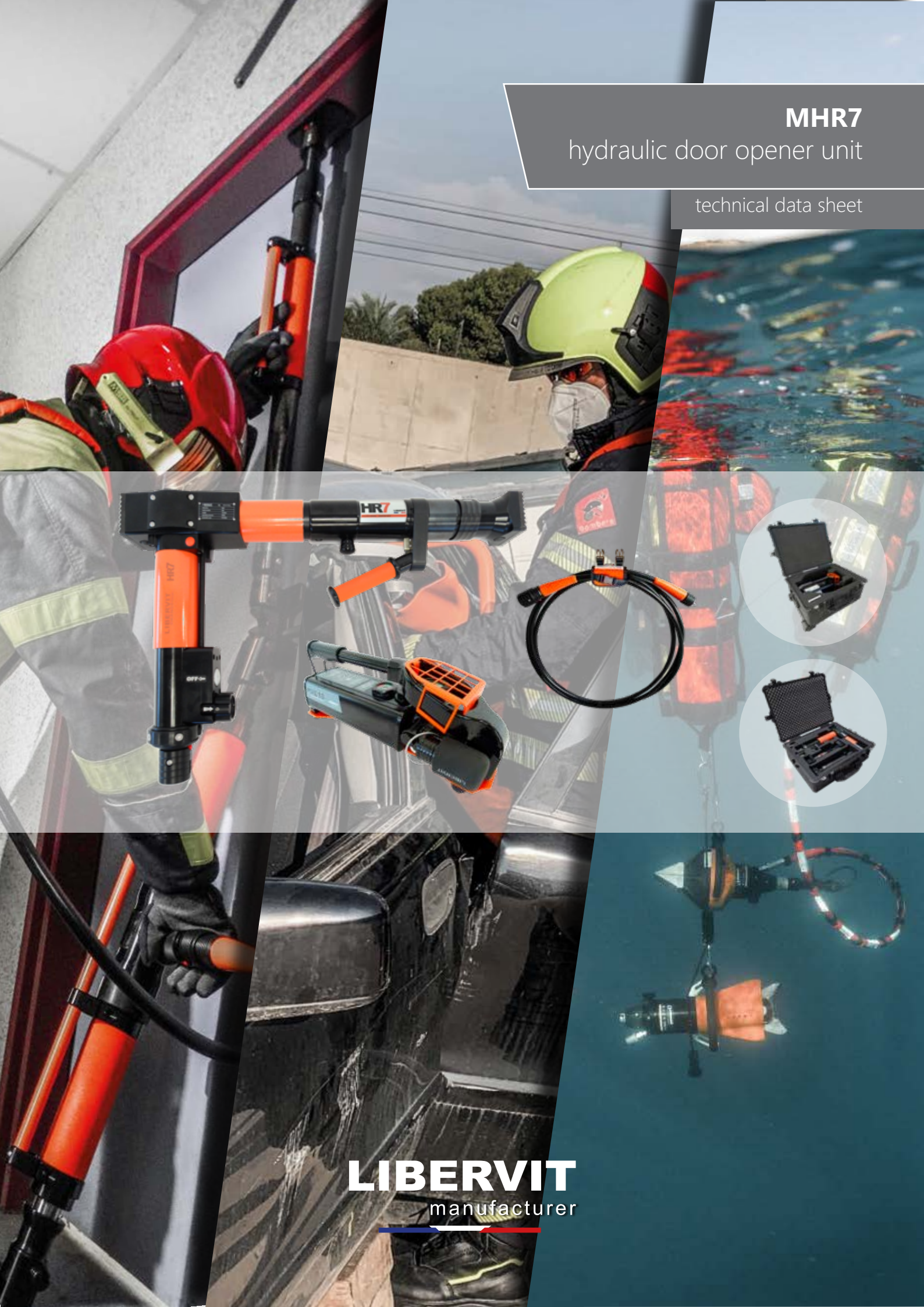


MHR7

hydraulic door opener unit

technical data sheet



LIBERVIT
manufacturer

LIBERVIT
ORANGEline

manual & hydraulic forcible
entry tools

LIBERVIT
ORANGEline

extrication
urban search & rescue tools

 **LIBERVIT**
maritime rescue

watery rescue tools

From a general point of view, even the most efficient equipment will not themselves be the solution to deal with all situations. They cannot guarantee the expected result, nor eliminate any risk for the rescuers.

As a manufacturer we OWE to ourselves and to the users to give priority to quality, reliability, performance, and innovations.

We will never be confronted to front-line situations, but you, on the other hand are facing them daily in France or elsewhere around the world and sometimes while using some of our tools.

It is at this very moment that our choice of components, raw materials to manufacture the tools that you are using, at this very moment, when you are about to save lives that the equipment must itself be failproof !

Internationally, France benefits from a strong reputation in the fields of security and victims' relief at the operational knowhow level as much as in the equipment manufacturing.

At LIBERVIT, we are experienced technicians, our professional ethic is unwavering and above all we know and respect those using our products and because of this close relationship we have considered their insights and suggestions in the making of our tools.

We pride ourselves in manufacturing French. All the labelled equipment that you had, have, or will have in your hands, are made in France with more than 90% of components and raw materials of French origin or from close European Union countries such as Germany, Norway and Italy.

Our 25 years in the design and manufacturing of hydraulic and mechanical tools with land and water applications for the Firefighters, the Army and Police Special Forces, our seriousness, our professionalism, and our never ended search for innovations has made us a key player within these professional environments.

LIBERVIT is represented in over 60 countries through our specialized Distributors network offering commercial advice, demos, maintenance and after sale service. All of the LIBERVIT team and myself are available to ensure that none of your question remains unanswered.

We wish you a pleasant read.

A handwritten signature in black ink, appearing to read 'Yvan Cardona', with a stylized flourish at the end.

Yvan CARDONA, CEO

Quality & Reliability

Our organization, from engineering to customers' service is ISO 9001 certified. It guarantees a high quality, life-long performance and complete reliability of our tools and equipment.

Unless otherwise specified by us, our equipments are guaranteed for 3 years from the dispatch date. The guarantee covers construction defects as well as material flaws noted by our services.

LIBERVIT will provide, for a minimum of 10 years after delivery, any of its tools' spare parts. All our equipments comply with CE standard.

All our tools undergo rigorous test & control before shipment.



MHR7- mid-range hydraulic door opener unit

designed to open PVC, wooden or metal doors,
single or multi-locks opening inward.





MHR7



The MHR7 hydraulic door opener unit includes a PELICASE transport case built to accommodate a PML10 hydraulic manual pump and a LF2 hydraulic hose attached with a transport carrier and a complete HR7 hydraulic door-opener in its PELICASE transport case.

The MHR7 with his manual pump is often reserved at explosive atmosphere and the HR7 door opener ensures opening of PVC, wooden or metal doors, single or multi locks opening inward.

The HR7 hydraulic jack connected to a LF2 hydraulic hose is activated with the PML10 manual pump.

MHR7 hydraulic door opener unit includes :

mid-range hydraulic door opener	ref. HR7 (includes HR7 door opener, x3 plates'pair, x2 HR40 extensions, a R36 extension, a tape measure LM3 and a PELICASE® transport case VDT/HR7)
hydraulic hose (2 m)	ref. LF2
hydraulic hose transport carrier	ref. SLF
hydraulic manual pump	ref. PML10
PELICASE® transport case	ref. VDT/PML10 (built to accommodate a PML10 manual pump & a hydraulic hose LF2 or LF6)

HR7- mid-range hydraulic door opener



mid-range hydraulic door opener	ref. HR7
horizontal jack's thrust	5.7 tons
retracted horizontal jack total length	670 mm - 2.2 ft
deployed horizontal jack total length	785 mm - 31 inch
horizontal jack stroke deployed maximal length	115 mm - 4.5 inch
horizontal jack's extension	adjustable up to 153 mm - 6 inch
horizontal jack extension's system	by unlocking the movable ring
horizontaljack & its extension deployed total length	937.6 mm - 37 inch
horizontal jack, its extension & R36 extension deployed total length	1292 mm - 4.2 ft
pushing jack 1st stage thrust	7.2 tons
pushing jack 2nd stage thrust	2.8 tons
pushing jack 1st stage stroke	175 mm - 7 inch
pushing jack 2nd stage stroke	113 mm - 4.5 inch
total pushing jack stroke	288 mm - 11 inch
horizontal jack handle	yes, 90° indexable, 3 positions
start switches	yes, qty 2
available colours	orange, black & reflective stickers
dimensions	670 x 470 x 100 mm - 26.5 x 18.5 x 4 inch
door-opener and plate pair weight PP/HR7	13.9 kg - 30.7 lbs



delivered with 3 plates' pair	yes, ref. PP/HR7, ref. PR/HR7, ref. PRL/HR7
PP/HR7 plate dimensions	74.7 x 72 x 33.5 mm - 3 x 2.5 x 1.2 inch
weight of 1 base plate	520 g - 1.15 lbs
PR/HR7 plate dimensions (with hook)	74.7 x 72 x 51.13 mm - 3 x 2.5 x 2 inch
weight of 1 base plate	580 g - 1.28 lbs
PRL/HR7 plate dimensions (large with hook)	74.7 x 92 x 51.13 mm - 3 x 3.5 x 2 inch
weight of 1 base plate	700 g - 1.54 lbs



delivered with 2 extensions	yes, qty x2, ref. HR40
extension length	40 mm - 1.5 inch
dimensions	75 x 70 x 60 mm - 3 x 2.5 x 2 inch
poids	540 gr - 19 oz



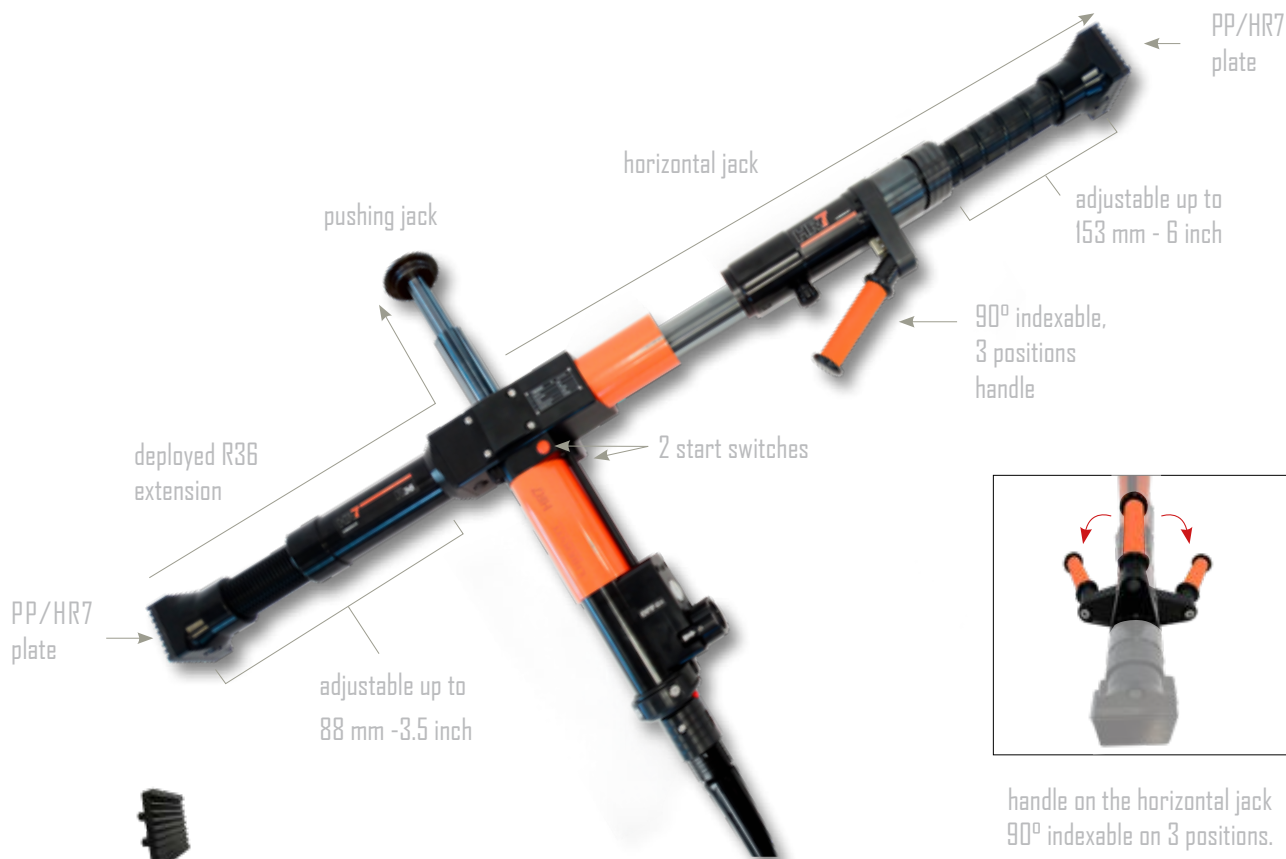
delivered with extension	yes, ref. R36
length HR7 retracted with extension	268 mm - 10.5 inch
length HR7 deployed with extension	356 mm - 14 inch
R36 extension	adjustable up to 88 mm - 3.5 inch
extension system	by screwing
dimensions	292 x 72 x 74.5 mm - 11.4 x 2.8 x 3 inch
weight	1.6 kg - 3.5 lbs



delivered with retractable tape measure	yes, ref. L3M
tape length	3 m - 10 ft
tape width	16 mm - 0.5 inch
magnetic	yes
self-locking	yes
dimensions	70 x 60 x 30 mm - 3 x 2.5 x 1 inch
weight	11 g - 0.5 oz



delivered in PELICASE® transport case	yes, ref. VDT/HR7
available colours	black
silica gel cartridge	qty 1, used to prevent humidity
dimensions	628 x 498 x 303 mm - 25 x 20 x 12 inch
weight empty	10.4 kg - 23 lbs
weight loaded	28.5 kg - 62 lbs



handle on the horizontal jack 90° indexable on 3 positions.



R36 extension



3M tape measure



silica gel cartridge (used to prevent humidity)



PELICASE® transport case, ref. VDT/HR7



ACCESSORIES

- protection coupling cap
- extensions in PELICASE
- soft backpack transport rack
- plates for PVC doors

- on option, ref. BF
- on option, ref. PX/HR7 includes in a PELICASE VDT/PXHR7 : x2 ref. HR40, ref. HR150 & HR200 extensions
- on option, ref. CLS/HR7
- on option, ref. PL/KIT/HR7 includes in a PELICASE VDT/PLKIT : x1 pair of plates ref.PRL125/HR7, ref. PRL180 & ref.PRL300/HR7

LF2- hydraulic hose & SLF -support harness



2 m hydraulic hose	réf. LF2
technology hydrolec II	compatible for LIBERVIT hydraulic manual pumps & power units
support harness	ref. SLF (with 2 quick release buckles to able transport on the hydraulic power unit)
hydraulic couplings	with all LIBERVIT hydraulic tools
colours	black & orange
length	2 m - 6.5 ft
weight	2 kg - 4.5 lbs

ACCESSORIES

protection coupling cap	on option, ref. BF & BM
PELICASE® transport case	on option, all transport cases are built to accommodate the hydraulic hose (LF2 or LFB) and the tool

The LIBERVIT hydraulic hoses power supply all the LIBERVIT hydraulic tools.

The LF2 hydraulic hose comes standard with a support harness (ref. SLF) with 2 quick release buckles to able transport on the hydraulic power unit.

Each hose is delivered filled with oil and ready to use.

Two hydraulic hoses can be connected together to have a longer one.
e.g: two LF2 (2 m each) will give a length of 4 m.

These hoses benefit from the patented "Hydrolec II" technology allowing both the HYDRAULIC & the ELECTRICAL in a single connection.

TECHNOLOGY HYDROLEC II



LIBERVIT hydraulic power units or manual pumps powered with LF hydraulic hoses	
B.A.S. superlight power unit	●
PML10 manual pump	●
PML30 manual pump	●

On option, protection hydraulic coupling caps,
ref. BF & ref. BM



can operate with a B.A.S.,
a B.A.S. superlight or a B.A.S.
optima hydraulic power unit



can operate with a PML30 or a
PML10 hydraulic manual pump

PML10 - hydraulic manual pump



hydraulic manual pump	PML10
body material	black powder coated aluminium
service pressure	300 bar
oil tank capacity	1.7 litres - 60 fl oz
integrated manometer	yes
manometer protection grid	included, ref. TM665
fast discharge	yes, two stages pump
molette fonctions	PUMP ou RELEASE fonctions
oil level viewport	yes
oil filler plug	tank draining or filing
dimensions	450 x 160 x 200 mm - 18 x 6 x 8 inch
weight	9.2 kg - 20 lbs
protection cap	included

ACCESSORIES

hydraulic hose	on option, ref. LF2 - LFB - LF10
transport sleeve	on option, ref. ST/PML10
backpack rack	on option, ref. CLS/PML10
PELICASE® transport case	on option, ref. VDT/PML10

The PML10 hydraulic manual pump powers supply all of the LIBERVIT tools of the LIBERVIT ORANGeline range.

The use of the hydraulic manual pumps is often for special situations such as: explosive atmosphere, complete silent required, narrow space, etc.

Thanks to a watertight tank they can be used or store in any position.

They benefit from a fast approach discharge and a second discharge for the work phase.

A LIBERVIT hydraulic hose is needed to connect the hydraulic manual pumps to the tools.

On option, the PML10 hydraulic manual pump can be packed in a PELICASE® transport case or on a soft backpack rack or in a transport sleeve.

VDT/PML10 - PELICASE® transport case



PELICASE® transport case	ref. VDT/PML10
colour	black
telescopic handle	yes
wheels	yes
high density black foam	imprint built to accommodate the hydraulic hose (LF2 or LFB) and the tool
dimensions	630 x 510 x 300 mm - 25 x 20 x 12 inch
weight empty	10.5 kg - 23 lbs
case loaded (PML10 & LF2)	21.7 kg - 48 lbs

The PML10 hydraulic manual pump and the LF2 hydraulic hose can be packed in a in a waterproof case. The VDT/PML10 is fitted with a high density black foam in which an imprint of the tool has been made to keep it secure during transport or storage.

We use the PELICASE® brand for its quality and reliability. Our cases all meet the military and air transport norms, have wheels and a telescopic handle.



> **QUOTATIONS** : quotations@libervit.com



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