



Large Diameter Hose ROLL & TRANSPORT UNITS

PAT.A

# **LDH SUPER HOSE CARRIER**

**Model: LH-100、LH-150**

SPECIFICATIONS/INSTRUCTION FOR SAFE OPERATION

2012 / 09/ 04 REV1

**YONE CORPORATION**

## GENERAL INFORMATION

As before, it was a tough job for firefighters to manage a large diameter hose. It was heavy and difficult routine task for firefighters.

Our Large Hose Carrier System will help you to roll or lift large diameter hose management in the following list:

1. Transporting LDH to the spot
2. Extending LDH on the spot
3. Draining water filled LDH quickly
4. Rolling up LDH easily and getting back in service smoothly.

### 1. FEATURE

- LDH operation for roll, delivery and storage is easy
- With specially designed system, LDH can be transported even on the disaster area, like rough ground.
- It makes for light and compact storage and reloading the truck easily.
- Considering no power source in case of emergency, rolling system makes for rolling up hose easily by manual or ratchet handle.

### 2. GENERAL PRODUCT SPECIFICATIONS

- 2-1. Hose Rolling Size : 100mm / 150mm
- 2-2. Hose Rolling Length : 50m Maximum
- 2-3. Rolling system : Rotating carrier shaft by ratchet handle makes for rolling out a fire hose.
- 2-4. Material : Body / Aluminum Pipe (Anodized) 、 Joint/BC6  
Reel / SS400 Corrosion –resistant coated
- 2-5. Dimension : Refer to the attached drawing.

### 3. PARTS IDENTIFICATION



Rolling and transport system.



Roller Base (Additional Option)  
(480 × 380 × 80mm / 5kg)

## 4. OPERATION

### 4-1. Loading and Transporting



- 1) The shaft of hose reel can be hooked onto the metal fitting in place by lifting up LDH Super Hose Carrier.
- 2) Take out the hose reel with body weight movement gradually by utilizing rear wheel rotation. (NOTE: Do not apply excessive force.)
- 3) Transport the hose reel with LH Super Hose Carrier.



HOSE REEL SHAFT  
METAL FITTING HOOK

### 4-2. Extending LDH



- 1) Extend LDH by stepping forward with LH Super Hose Carrier.

### 4-3. Rolling up LDH



- 1) Set hose coupling into storage spot in place



- 2) Rotate hose reel and roll up LDH by stepping forward.



- 3) Use ratchet lever to roll LDH if it is heavy.

NOTE: Do not push excessive force.

(Maximum Weighting: 15kg/Handle )

\* Ratchet Lever is not available for LH-100.

### 4-4. Transporting



- 1) It makes possible to move on rough and bump ground as well as pavement.



NOTE: Not possible to move on excessively rough and bump ground.

### 4-5. Putting LDH in storage



- 1) Place full rolled hose reel from carrier system on rolling cart.
- 2) Putting LDH into storage box by rotating hose reel on rolling cart.



#### 4-6. Lifting off and Putting in storage



- 1) Make sure the ground is flat and stable so that hose reel can be lifted off safely.
- 2) Lift up handle of LH Super Hose Carrier and tilt forward gradually.

It makes hose reel lift off in front of carrier system



- NOTE: Operate the system carefully.  
NOTE: Make sure the place where the hose reel is lifted off. It should be flat pavement.

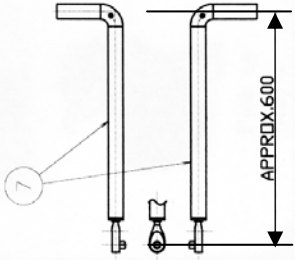
### 5. INSPECTION/MAINTENANCE

- 5-1 Stain must be wiped out, especially water drop after usage.
- 5-2 Apply grease to rotating shaft.
- 5-3 Make sure all bolts tightened firmly.
- 5-4 Make sure if there is no impact crack or damage on the frame.

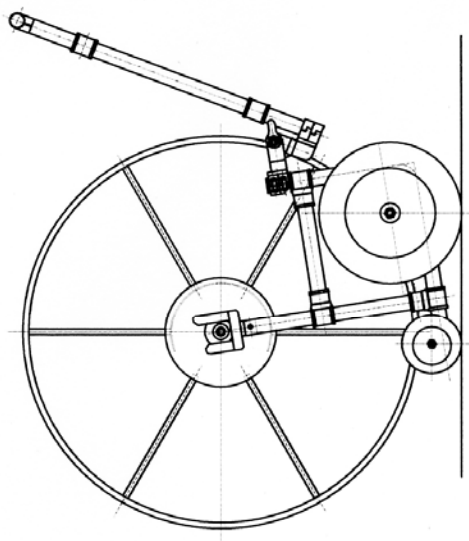
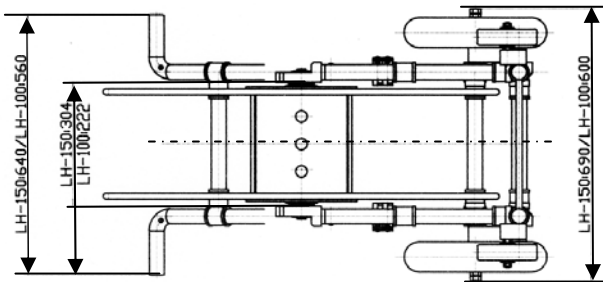
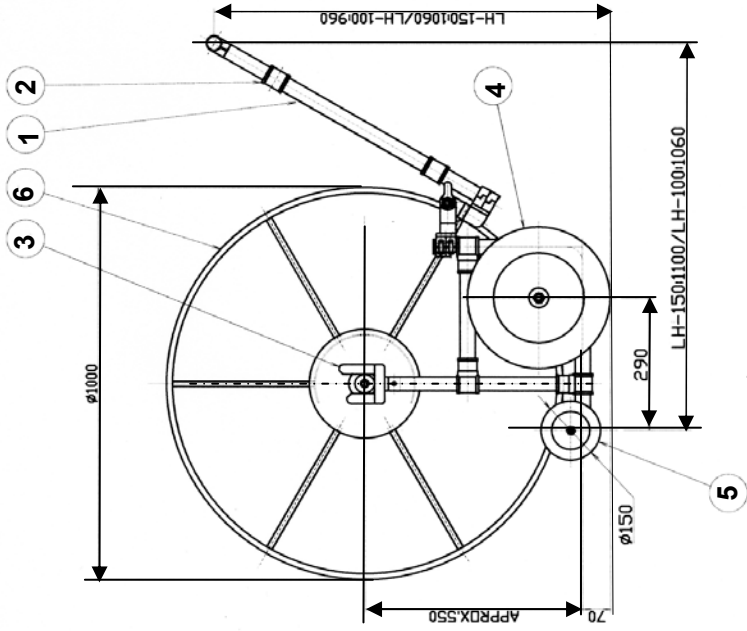
### 6. Operational Warning.

- 1) Do not apply abrupt and excessive force for each operation.
- 2) Prevent injuries from occurring when heavy rolled hose reel falls down. Do not hold the falling hose reel forcibly.
- 3) Make sure the ground is flat and stable so that hose reel can be lifted off.
- 4) Do not insert fingers into rotation shaft in order to prevent fingers from catching in the shaft.

質量  
 LH-100: 本体 約21kg  
 リール 約23kg  
 LH-150: 本体 約25kg  
 リール 約25kg



品番 MARK	名 NAME	材 MATERIAL	個数 QTY.	備 REMARKS
1	パイプ	AC	1set	φ38
2	T型ジョイント	AC4C	1set	
3	シャフト受け部	CAC406	2	
4	後輪	合金コム	2	
5	前輪	合金コム	2	
6	ホースリール	SS400	1set	三層加工処理
7	ラチェットハンドル	AC糖	1set	LH-150のみ付属



使用イメージ

客先 CUSTOMER	旧国 PRD. NO.	LH-150/50 LH-100/50
名称 TITLE	LHホースキャリアー	
作成 PREP.	H24.6.21 BENIYAMA	
検図 CHK.	図番 Dwg. NO.	訂正 REV.
尺度 SCALE	1/10	CAD NO.
承認 APP.	第三 ANGLE PROJECTION	ヨネ株式会社 YONE CORPORATION

符号 MARK	年月日 DATE	訂正 DESCRIPTION	記号 SIGN

型式 TYPE	備考 REMARKS