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## Technical Document



## Self-Align Rear Hose Reel

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### Description



The self-align hose reel consists of a steel frame onto which a hydraulically rotating metal drum is installed. It has been designed for  $\frac{3}{4}$ " and 1" high pressure jetting hoses up to 200m. The self-align hose reel is intended to be incorporated into machines for cleaning and unblocking sewers and drains using high pressure water. The swivelling hose reel is typically installed on the rear door of machines equipped with a tank at the rear. The metal drum to store the hose is installed on a steel frame, which rotates around the axis of its support. This way, hose winding and unwinding operations are made easier. The presence of a high pressure swivel joint in correspondence of the water supply pipe on the hose winding drum allows supply even during winding and unwinding operations.

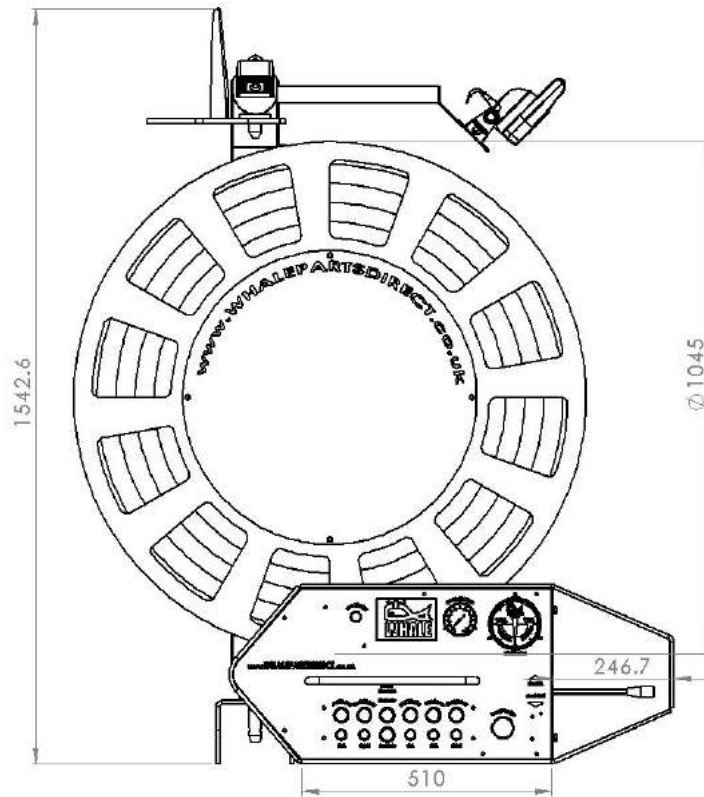
### Example of Application:



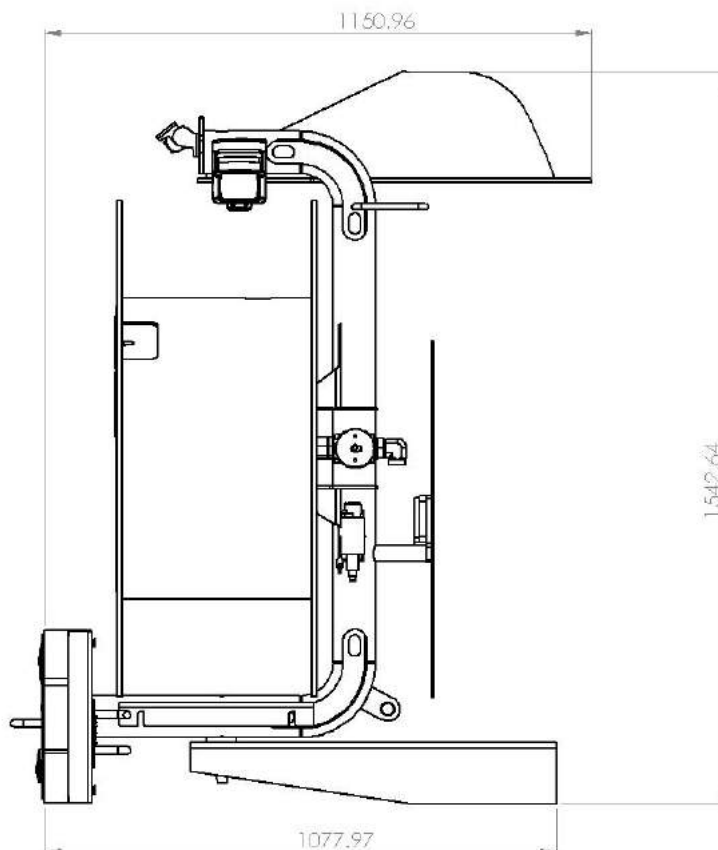
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### Small Reel Type A Dimensions:

Reel Front View



Reel Side View

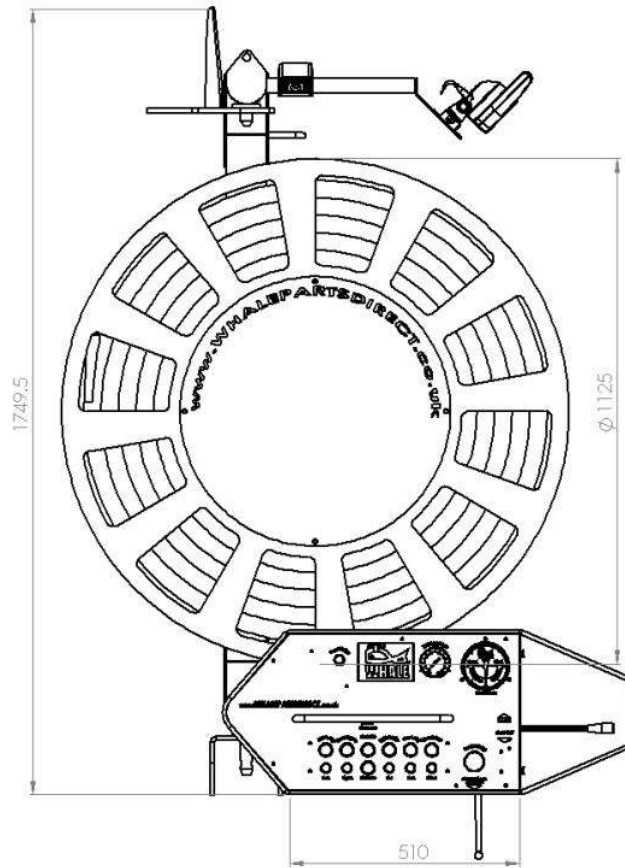


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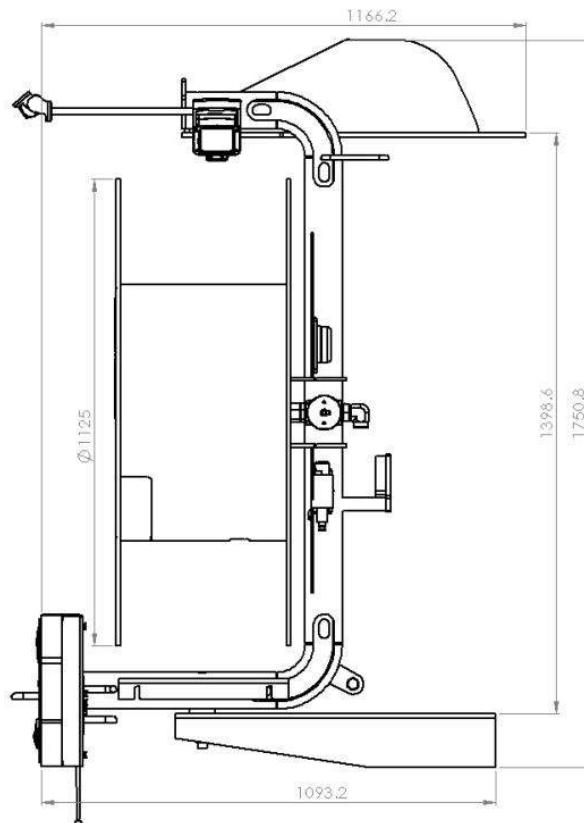
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### Large Reel Type B Dimensions:

Reel Front View



Reel Side View

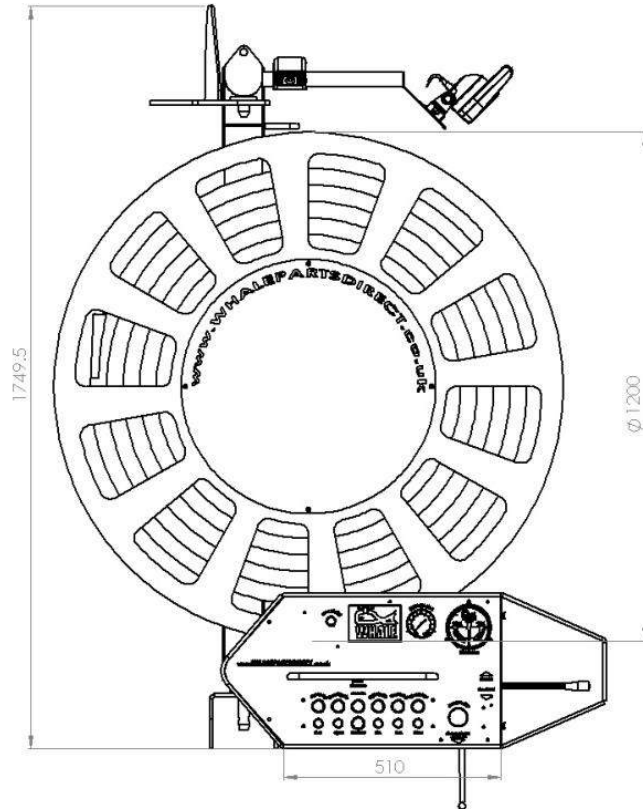


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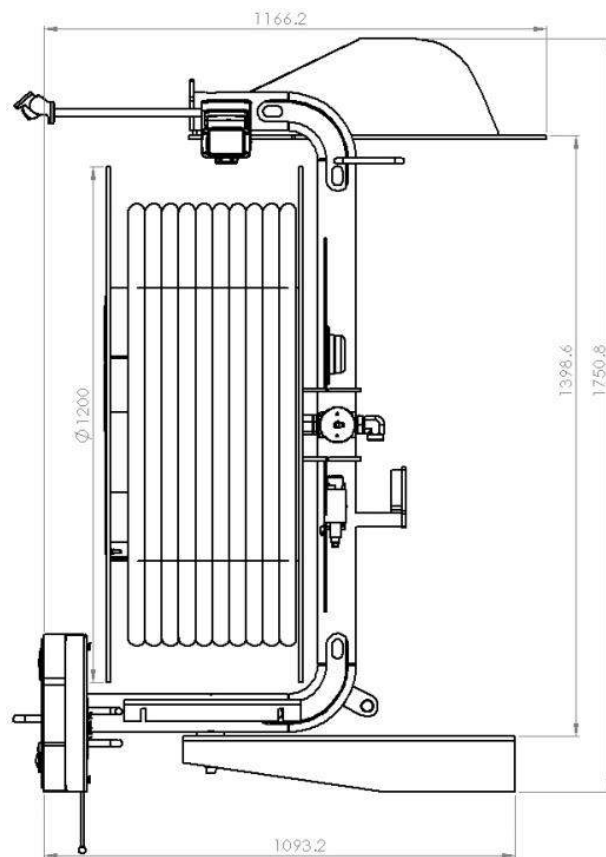
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### Extra Large Reel Type C Dimensions:

Reel Front View



Reel Side View



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### Hose Reel Parameters

Parameter	Value
Working Pressure	Max 280 Bar
Hose Diameter	¾" – 1"
Hose Length	120-200m
Weight kg Approx.	200kg – 350kg

#### Main Features:

- Self -Align
- Suitable for ¾" & 1" Hose (Not supplied)
- 200m Maximum Hose Length (Reel Dependant)
- Control Panel for Operation
- Visible Water, pressure & Suction Gauge
- Hydraulically Operated Drum
- Low Water Alarm
- High Pressure & Flow Jetting

#### Available Versions:

¾" Version	Spec	Part Number
¾" Hose, Small Size Drum <b>Type A</b>	Up to 120m 1" Hose or 150m ¾" Jetting Hose	136334
¾" Hose, Large Size Drum <b>Type B</b>	Over 120m ¾" Hose up to 200m	137946
1" Version	Spec	Part Number
1" Hose, Small Size Drum <b>Type A</b>	Up to 120m 1" Jetting Hose	137945
1" Hose, Large Size Drum <b>Type B</b>	Over 120m 1" Hose up to 150m	137947
1" Hose, Extra Large Size Drum <b>Type C</b>	Over 150m 1" Hose up to 200m	139779

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### Parts Breakdown List:



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Reel Parts	Part Number
*3/4" Complete Reel Assembly Type A Small Reel (See Spec)	136334
*3/4" Complete Reel Assembly Type B Large Reel (See Spec)	137946
*1" Complete Reel Assembly Type A Small Reel (See Spec)	137945
*1" Complete Reel Assembly Type B Large Reel (See Spec)	137947
*1" Complete Reel Assembly Type C Extra Large Reel (See Spec)	139779
1) Switch Protection Bar	113217
2) Red LED Light	151123
3) Green Push Button (Terminal Connector)	101450
Green Push Button (Wired, Older Vehicles)	114731
4) Blue Push Button (Terminal Connector)	101452
5) 0-3000psi Water Pressure Gauge (Front Mount)	138971
0-3000psi Water Pressure Gauge (Rear Mount)	115649
6) Pressure & Suction Gauge (Front Mount)	120998
7) Emergency Stop Button	123117
8) Control Panel Face (Dependant on Button Layout)	159105
9) Morse Handle	102643
9.1) Morse Cable 1.1m /1.2m	102647 / 113306
10) 1/4" Drain Valve	103466
11) Reel Drum Cover Plate	108979
12) Drum Assembly (Small, Type A) 3/4" 150m, 1" 120m	135075
Drum Assembly (Large, Type B) 3/4" Up to 200m	137939
Drum Assembly (Extra Large, Type C) 1" Up to 200m	139484
13) 3/4" 100m Jetting Hose	122911
3/4" 120m Jetting Hose	126214
3/4" 150m Jetting Hose	126215
3/4" 200m Jetting Hose	123432
1" 100m Jetting Hose	122910
1" 120m Jetting Hose	122757
1" 150m Jetting Hose	112901
1" 200m Jetting Hose	126216
13.1) 3/4" 10m Leader Hose	123252
1" 10m Leader Hose	123156
14) Top Bracket	
15) Bottom Bracket	124718
16) 1" Inline Swivel	165275
17) Swivel Carrier	107144
18) Male Stud Connector 1" BSP	120094
19) Stud Swivel Adaptor 1" BSP	120060
20) Hose Reel Plate	107141
21) Slewing Ring Gear	106099



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22) Hydraulic Motor	103325
23) 15 Tooth Gear	101735
24) Hose Reel Frame (To Suit Small Drum Type A)	113257
Hose Reel Frame (To Suit Large Drum Type B)	107817
Hose Reel Frame (To Suit Extra Large Drum Type C)	107817
24.1) Upper Swivel Top Pin	140785
24.2) Bottom Swivel Pin	107197
25) Reverse Camera	154533
26) Camera & Work Light Bracket	140194
27) Hella Work light or LED Work light	136471 153907
28) Alarm	101298
29) Water On/Off Stop Valve	152950
30) Adjustable Lock Nut Stud Elbow	120113
31) Traffic Arrow Mounting Bracket	119299
32) 750mm Traffic Direction Arrow	111408
33) Hydraulic Valve Block	150030

**Whale Parts:**

**Web:** [www.WHALEPARTSDIRECT.co.uk](http://www.WHALEPARTSDIRECT.co.uk)

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