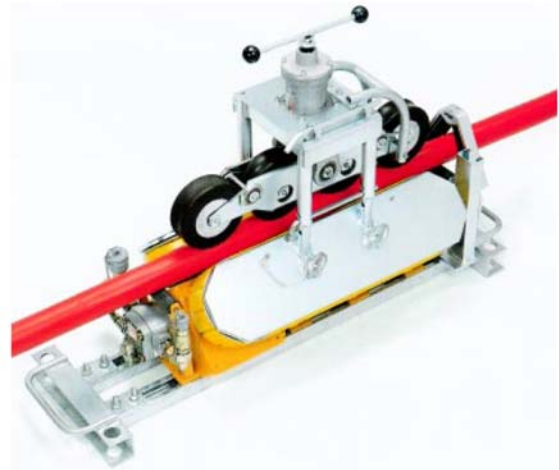


# CLY 740 DF5HB Cable Pusher c/w P/Pack, Hoses & Roller Data Sheet

**CLYDESDALE**  
Powering the Future



## DF 5 HB

### Cable and Duct Feeder Technical specifications

#### 1. Field of application

Feeder to be used generally in conjunction with and as assist to a capstan winch for underground cable-laying, ducting and subducting operations. Very useful on long and/or uneasy paths, as well as for heavy cables and ducts.

This feeder is not suitable for any lifting, self-hauling or hoisting activity. Please consult us for any application not mentioned above.

#### 2. Technical description

Feeder fitted with 2 belts in "V" permitting an optimal feeding without damage to the cable.

3 adjustable pressure rollers devices at choice allowing the feeding of cables and pipes from Ø 20 to 130 mm.

Small dimensions meaning easy installation with a minimum of preparation work.

Reduction gear with endless screw. Drive by means of hydraulic motor with gearing.

Hydraulic transmission with power pack driven by petrol engine.

Feeding force controlled by adjustable pressure valve on the power pack.

Speed controlled by hydraulic flow control valve fixed on the flexible pipes.

Feeding of cable or duct only in one direction.

#### 3.1. Feeder

Feeding or pushing force	<b>500 daN (kp)</b>
Feeding speed	<b>4 - 18 m/min</b>
Necessary hydraulic flow for feeding at speed = 18 m/min	<b>12 l/min</b>
Necessary hydraulic pressure at maximum pushing force	<b>240 bar</b>

#### 3.2. Pressure rollers devices

	admitted cable Ø	linear pressure on the cable
Type L (large flat)	<b>45 - 130mm</b>	<b>1000daN</b>
Type R33 (medium)	<b>28 - 90mm</b>	<b>1000daN</b>
Type R17 (narrow)	<b>20 - 50mm</b>	<b>500daN</b>

#### 3.3. Weights and dimensions

Weight of cable/duct feeder <b>DF 5 HB</b> without power pack, without hydraulic pipes	<b>95kg</b>
Length	<b>1170mm</b>
Width	<b>380mm</b>
Height	<b>700mm</b>

#### 4.1. Power pack

Maximum available pressure	<b>240bar</b>
Maximum available flow	<b>12l/min</b>
Cubic capacity of the gear pump	<b>3,7cm<sup>3</sup></b>
Capacity of the oil tank	<b>27l</b>
Oil specification	<b>ISO VG46-HVI</b>
Length of flexible pipes	<b>4m</b>

**Clydesdale Ltd.**



Instal House, 3 Sunbeam Road,  
Woburn Road Ind. Est., Kempston,  
Bedfordshire MK42 7BZ  
United Kingdom

Tel: +44 (01234) 855855  
Fax: +44 (01234) 855800  
E-mail: sales@clydesdale.ltd.uk  
www.clydesdale.ltd.uk

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## 4.2. Petrol engine

Engine type	<b>Briggs &amp; Stratton 190 702</b>	<b>4-stroke</b>	air cooled
Cubic capacity		<b>318 cm<sup>3</sup></b>	
Power		<b>5,9 kW</b>	as per <b>SAE J607a</b>
Maximum r.p.m.		<b>3600 min<sup>-1</sup></b>	
Torque		<b>17,2 Nm</b>	at <b>2500 min<sup>-1</sup></b>

## 4.3. Weight and dimensions of the power pack

Weight of the power pack inclusive oil, pipes and speed control	<b>82 kg</b>
Length	<b>1100 mm</b>
Width	<b>430 mm</b>
Height	<b>600 mm</b>

## 5. Anti-corrosion protection

Aluminium alloy reduction gear housings; galvanized screws and fittings.  
Paintwork: Single component primer with lead- and chromate-free rustproof pigment; dual component enamel finish (polyurethane/acrylic resins); colour - RAL 1007 chrome yellow.  
Grey PVC impregnated weather, wear and tear resistant canvas.

## 6. Operation and maintenance

Simple maintenance without need for special tooling.  
Sealed bearings lubricated for life. Oil splash lubrication of reduction gears.  
Operating and maintenance manual with lists of spare parts - available in French, German and English.

## 7. Regulation and conformity

Construction and safety conformable to EC Directive for Machinery No 89/392/CEE and annexes.

## 8. Standard versions available

**DF 5 HB-L** with pressure rollers device type L and power pack  
**DF 5 HB-R33** with pressure rollers device type R33 and power pack  
**DF 5 HB-R17** with pressure rollers device type R17 et and power pack

## 9. Factory fitted options

Equipment with distributor for bi-directionnel feeding  
Only for DF 5 HB-L:  
- equipment for feeding cables or ducts between **Ø 55 - 160 mm**  
Special colour

## 10. Accessories

	<b>Référence</b>
Supplementary power pack with petrol engine	N261.037
Supplementary power pack with electric motor	N261.036
Supplementary pressure rollers device type L (see §3.2.)	N261.003
Supplementary pressure rollers device type R33 (see §3.2.)	N261.017
Supplementary pressure rollers device type R17 (see §3.2.)	N261.019

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