C & C HYDRAULICS LTD

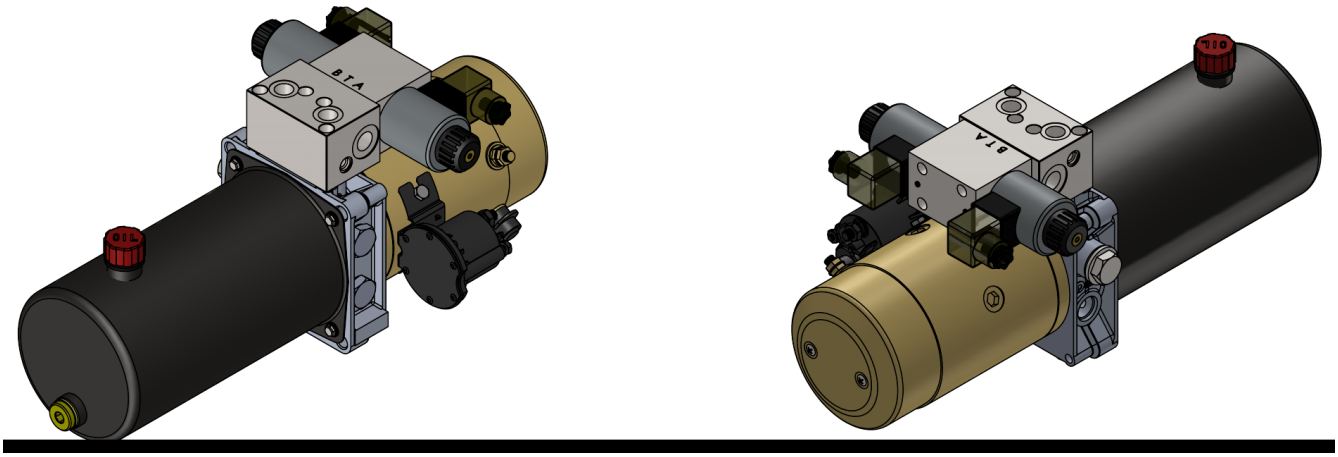
Chassis Conversion Specialists

PRODUCT DATASHEET

AUTO SHEETING POWER PACKS

24 V DC hydraulic power packs for side-to-side auto sheeting systems — one model for strap-driven and one for strapless sheets.

We supply two 24 V DC power packs for the auto sheeting market, both used on side-to-side sheeting systems. The YBZ6-E2.7 drives strap-driven systems, and the YBZ6-F0.8 drives strapless systems. Each pack combines a 2.0 kW motor, gear pump, tank, relief and check valve with a 4/3 solenoid valve and a remote control cable, so the sheet can be opened and closed from the cab.



YBZ6 AUTO SHEET PACK — 24 V DC MOTOR, GEAR PUMP AND 4/3 SOLENOID VALVE

24 V DC	2.0 kW	150–200 bar	2 models
Motor voltage, both models	Motor power, S3 duty	Relief setting, sealed at the factory	Strap-driven and strapless

KEY FEATURES

- Complete 24 V DC pack: motor, pump, tank, filter, relief, check and solenoid valve
- YBZ6-E2.7 for strap-driven systems, with 2.7 cc/rev pump and pressure gauge
- G3/8 service ports and 2 × M10 mounting on 82 mm centres
- 4/3 solenoid valve opens and closes the sheet from one pack
- YBZ6-F0.8 for strapless systems, with 0.87 cc/rev pump and 200 bar relief
- Supplied with remote control connection cable

Ready to spec your power pack?

Talk to us about sizing, PTO fitment, lead times and pricing.

CALL 01535 617880
EMAIL sales@cchydraulics.co.uk
WEB www.cchydraulics.co.uk

PRODUCT DATASHEET

Range Overview

Two packs, one for each type of side-to-side sheeting system — compare them side by side.

MODEL COMPARISON

	YBZ6-E2.7Y2A4/WUABN1/RC	YBZ6-F0.8Y2A4/WUBBN1/RC
Sheeting system	Strap-driven	Strapless
Voltage / motor	24 V DC, 2.0 kW	24 V DC, 2.0 kW
Pump displacement	2.7 cc/rev	0.87 cc/rev
Relief setting	150 bar	200 bar
Tank	2 L	1.5 L
Solenoid valve	4/3, 24 V DC	4/3, 24 V DC
Pressure gauge	0 – 250 bar	–
Service ports A / B	G3/8	G3/8
Ports P / T	G1/4	G1/4
Overall length	450 ± 2 mm	436 mm
Mounting	2 × M10, 82 mm centres	2 × M10, 82 mm centres

CHOOSING A PACK

STRAP-DRIVEN SYSTEMS

YBZ6-E2.7Y2A4/WUABN1/RC. The larger 2.7 cc/rev pump gives the flow to run the centre roll-up motor and the side winch motor with brake. See the system layout on page 3.

STRAPLESS SYSTEMS

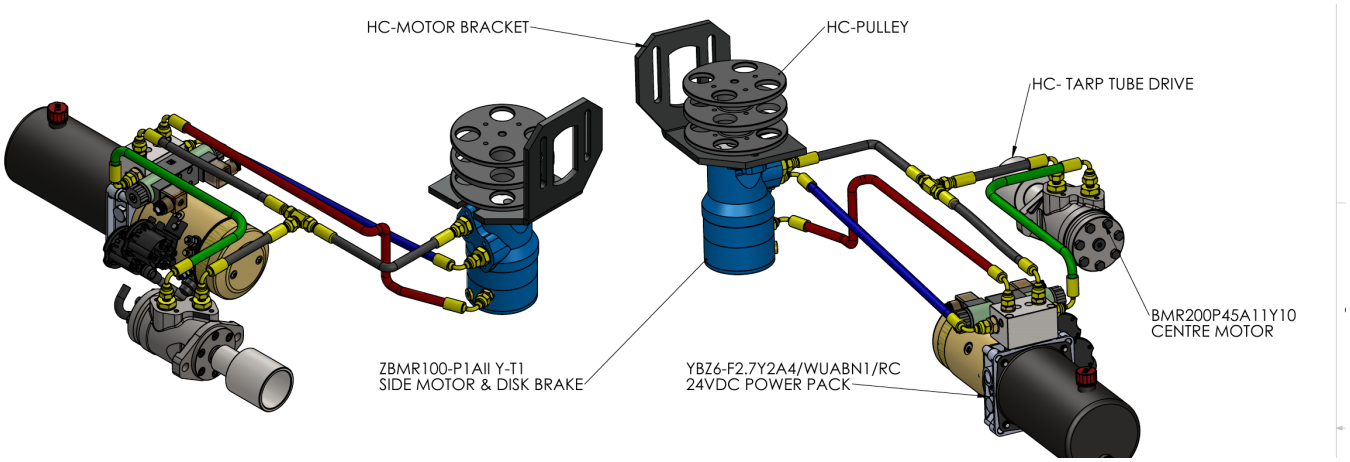
YBZ6-F0.8Y2A4/WUBBN1/RC. The smaller 0.87 cc/rev pump with a 200 bar relief suits strapless sheets, which need less flow and more pressure.

PRODUCT DATASHEET

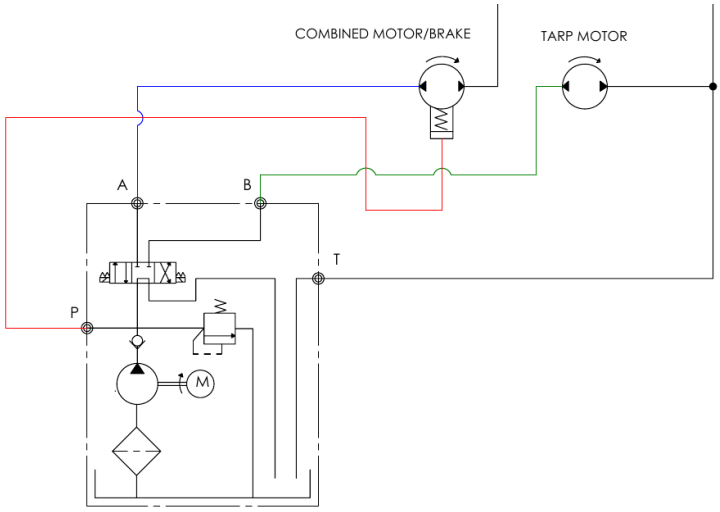
Strap-Driven System

Typical layout of a strap-driven side-to-side system with the YBZ6 pack, centre roll-up motor and side motor with disc brake.

SYSTEM LAYOUT — HYDRAULIC COMPONENTS



SYSTEM SCHEMATIC — MAX WORKING PRESSURE 170 BAR



1 — TO OPEN

The pilot signal releases the brake and the centre motor rolls up the tarp, while the side motor free-wheels.

2 — TO CLOSE

The pilot signal releases the brake and the side motor winches the tarp closed while the centre motor free-wheels. Once closed, the brake locks the system in place.

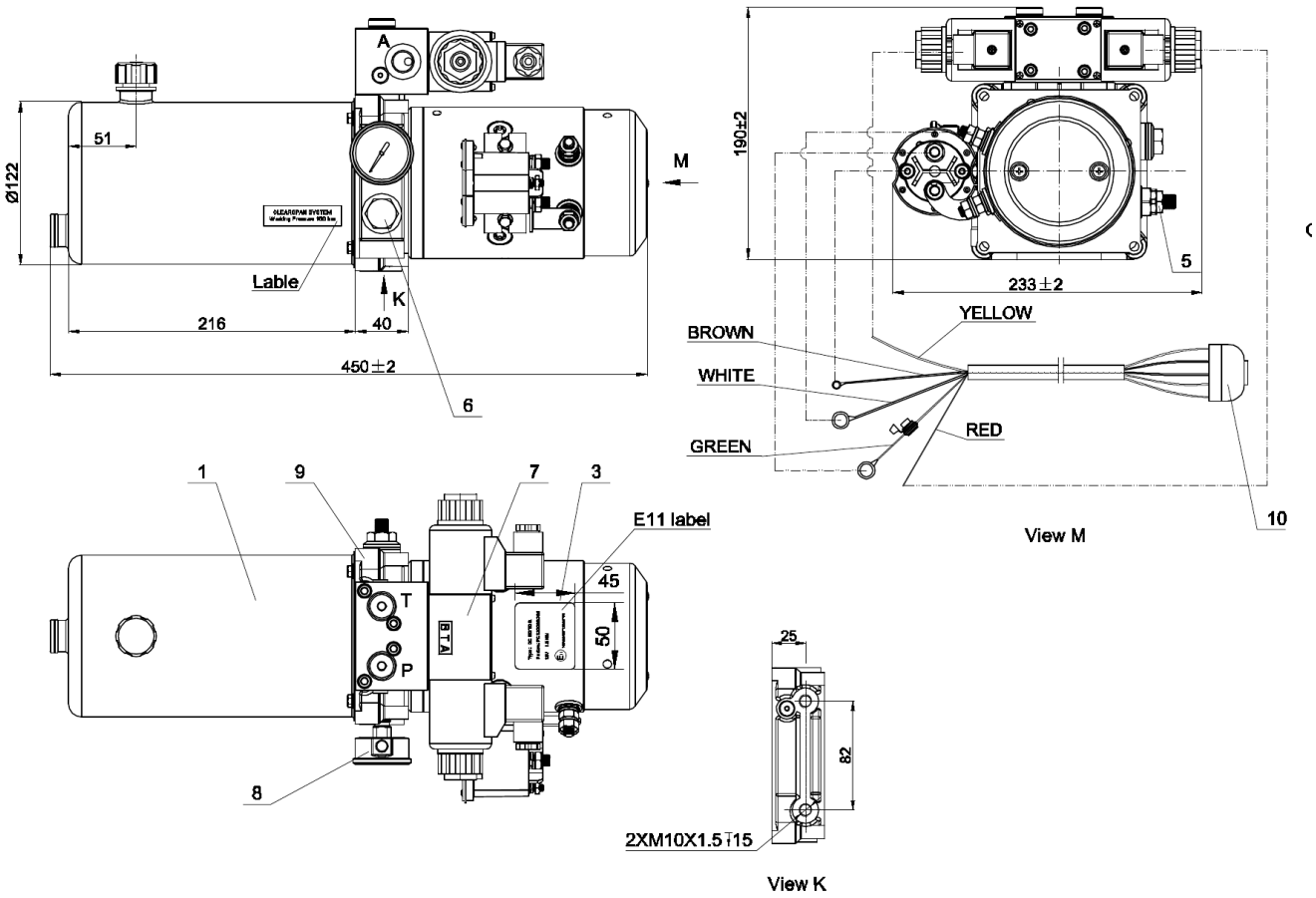
Component	Part number	Function
Centre motor	**BMR200P45A11Y10**	Rolls up the tarp
Side motor & disc brake	**ZBMR100-P1AII Y-T1**	Winches the tarp closed, holds it shut
Power pack	**YBZ6 auto sheet pack, 24 V DC**	Supplies both motors via the 4/3 valve

PRODUCT DATASHEET

YBZ6-E2.7Y2A4/WUABN1/RC Dimensions

24 V DC auto sheeting pack for strap-driven side-to-side systems — 2.7 cc/rev pump, 150 bar relief and pressure gauge. All dimensions in millimetres.

GENERAL ARRANGEMENT — STRAP-DRIVEN SYSTEMS



Reference	Dimension	Notes
Overall length	450 ± 2 mm	Tank end to motor
Tank	ø122 × 216 mm	2 L
Height	190 ± 2 mm	Over solenoid valve
Width	233 ± 2 mm	Across valve and motor
Mounting	2 × M10 × 1.5, 15 deep	On 82 mm centres (View K)
Ports	A, B G3/8	P G1/4, T G1/4

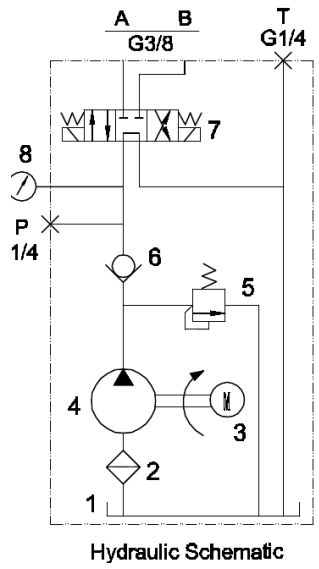
PRODUCT DATASHEET

YBZ6-E2.7Y2A4/WUABN1/RC Specification

Technical Data Sheet — hydraulic circuit, function and kit specification.

24 V DC	2.0 kW	2.7 cc/r	150 bar
Motor voltage	Motor power	Pump displacement	Relief setting

HYDRAULIC SCHEMATIC



Hydraulic Schematic

HOW IT WORKS

Strap-driven systems. The 2.0 kW motor drives the 2.7 cc/rev pump (4) through check valve (6) to a 4/3 solenoid valve (7), which sends flow to port A or B to roll the sheet open or closed. The relief valve (5) is set to 150 bar and sealed with red tamper-proof glue, and a 0–250 bar gauge (8) shows system pressure.

PORTS

A and B G3/8 to the sheeting motors. **P and T G1/4** auxiliary ports, plugged as supplied. Mount with 2 × M10 on 82 mm centres.

KIT SPECIFICATION

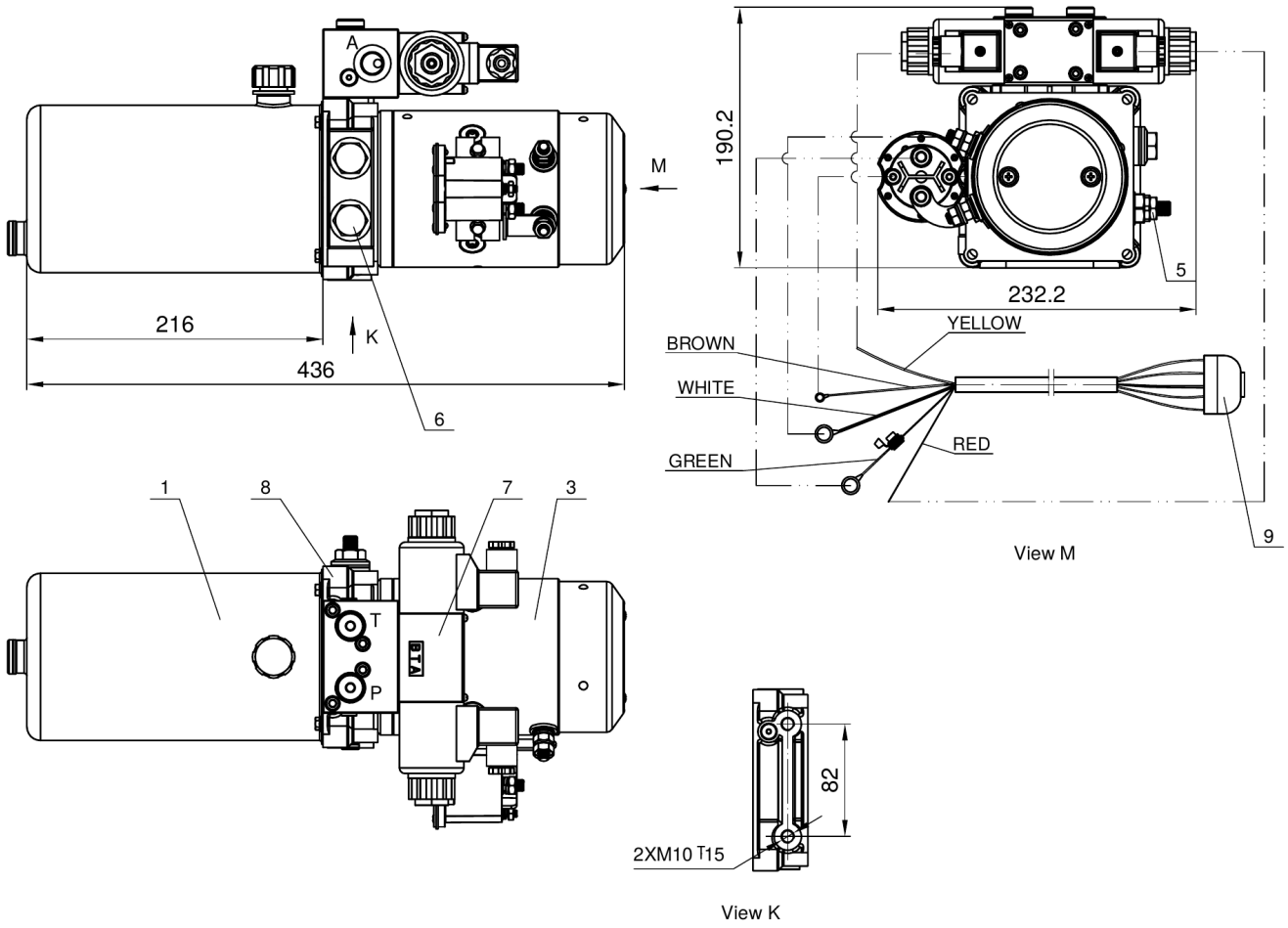
No.	Description	Part number	Technical data
1	Tank	KR-120-2L-W-A	2 L
2	Suction filter	YBZ-4-100	100 mesh
3	DC motor	DM22-2AWU-3BA2R	24 V DC, 2.0 kW, S3, E11
4	Gear pump	CBKA-F2.7F	2.7 cc/rev
5	Relief valve	YF08-40	150 bar, red tamper-proof glue
6	Check valve	DF08-01-00	
7	Solenoid valve	4DWG6G60/DC24Z5L	24 V DC, 4/3
8	Pressure gauge	YTN-40Z	0 – 25 MPa (0 – 250 bar)
9	Central manifold	YLBZ-N2FK-2	Aluminium
10	Remote control cable	RCA-LJX-1M-T	

PRODUCT DATASHEET

YBZ6-F0.8Y2A4/WUBBN1/RC Dimensions

24 V DC auto sheeting pack for strapless side-to-side systems — 0.87 cc/rev pump and 200 bar relief. All dimensions in millimetres.

GENERAL ARRANGEMENT — STRAPLESS SYSTEMS



Reference	Dimension	Notes
Overall length	**436 mm**	Tank end to motor
Tank	**216 mm long**	1.5 L
Height	**190.2 mm**	Over solenoid valve
Width	**232.2 mm**	Across valve and motor
Mounting	**2 × M10, 15 deep**	On 82 mm centres (View K)
Ports	**A, B G3/8**	P G1/4, T G1/4

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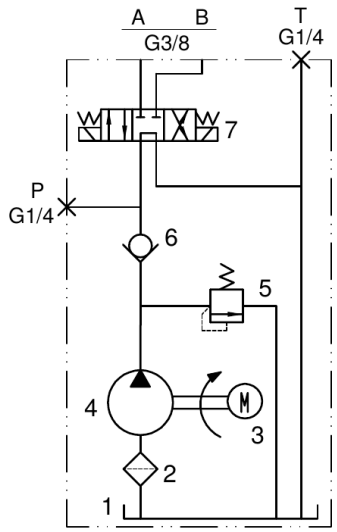
PRODUCT DATASHEET

YBZ6-F0.8Y2A4/WUBBN1/RC Specification

Technical Data Sheet — hydraulic circuit, function and kit specification.

24 V DC	2.0 kW	0.87 cc/r	200 bar
Motor voltage	Motor power	Pump displacement	Relief setting

HYDRAULIC SCHEMATIC



Hydraulic Schematic

HOW IT WORKS

Strapless systems. The 2.0 kW motor drives the 0.87 cc/rev pump (4) through check valve (6) to a 24 V 4/3 solenoid valve (7), supplied by C&C, which sends flow to port A or B. The smaller pump gives a slower, higher-pressure drive, with the relief valve (5) set to 200 bar.

PORTS

A and B G3/8 to the sheeting motors. **P and T G1/4** auxiliary ports, plugged as supplied. Mount with 2 × M10 on 82 mm centres.

KIT SPECIFICATION

No.	Description	Part number	Technical data
1	Tank	KR-120-1.5L-L-C	1.5 L
2	Suction filter	YBZ-4-100	
3	DC motor	DM22-2AWU-3BA2R-O	24 V DC, 2.0 kW
4	Gear pump	CBKA-F0.8F	0.87 cc/rev
5	Relief valve	YF08-40	200 bar (20 MPa)
6	Check valve	DF08-01-00	
7	Solenoid valve	Supplied by C&C	24 V DC, 4/3
8	End head	YLBZ-N2FK-2	Die-cast aluminium
9	Connection cable	RCA-LJX-1M-T	

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