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# LIER 086

Hydraulic Survey winch



## Highlights

- Line pull capability up to 650 kg
- Drum hydraulically driven
- Spooling device electrically controlled
- Stainless steel frame construction (AISI 316L)
- Stainless steel control cabinet (AISI 316L)
- Sheave facilitates varying angle of cable
- Multiple control options

## Specifications

Mechanical		Environmental	
- Frame dimensions	See drawing	Temperature range	-20..+40 °C
- Drum dimensions	Ø400 x Ø730 x 500 dxDxl	Distance to first Sheave	N.A.
- Drum capacity	200 mtr		
- Cable/wire dia	16...20 mm		
- Layers	6		
- Weight	TBD kg excl cable		

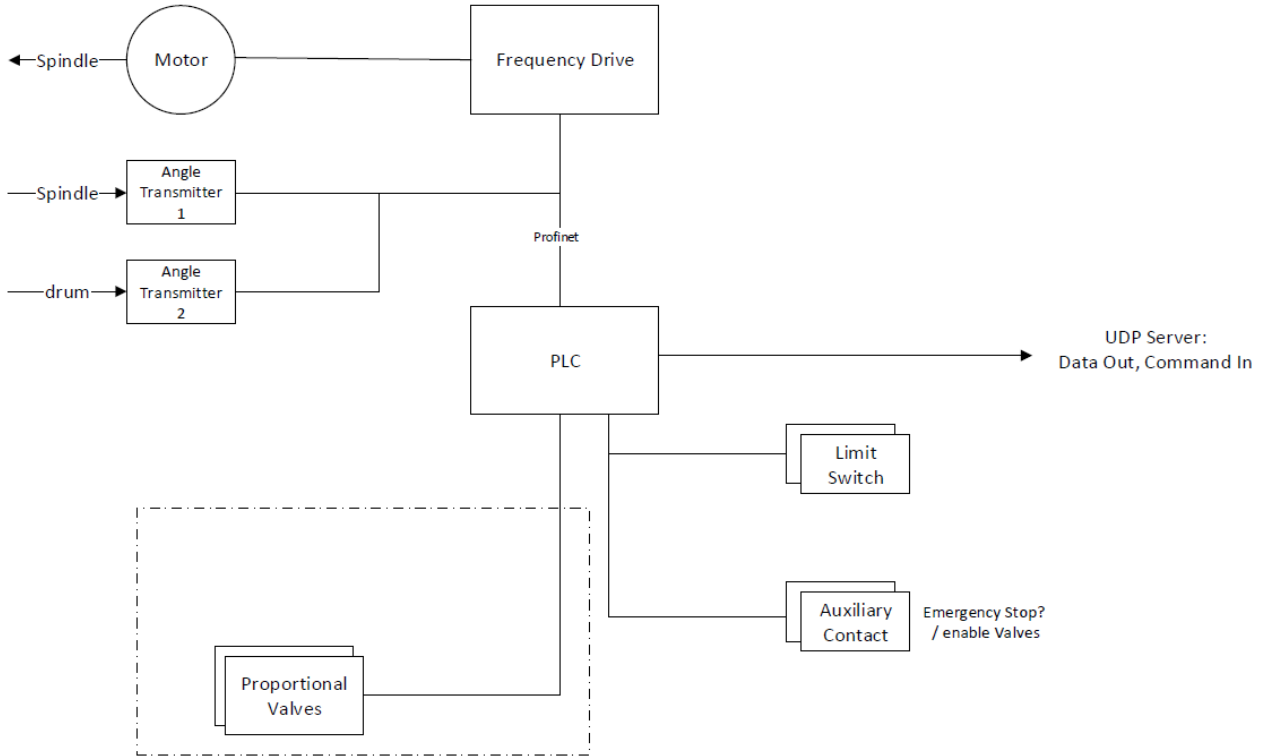
Hydraulic		Electrical Supply Spooler	
Supply pressure	Max 210 bar	- Voltage	230Vac
Minimum pressure	17-24 bar	- Power of inverter	1,1 kW (230Vac)
Max flow	60 l/min	- Frequency	50-60Hz +/- 5%
		- Absolute encoder	Yes on drum and Spooling device

Performance	
- Max. speed bottom layer	0 - 60 m/min
- Max. speed outer layer	0 - 90 m/min
- Safe working load	650kg

Notes
Excluding connection hoses and oil
Excluding gear oil (specify brand and type)
Excluding hydraulic controls
Emergency stop location TBD
Suitable for slipping use

Options
- Integrated 4-lifting points
- Cable length indicator
- CE approval
- 4 way winch control

### Block diagram electrical controls



### Hydraulic supply vs winch speed chart

