



# 12Te STOCK BUILD WROV SYSTEMS

## 12Te SWL EXTENDING A-FRAME

GENERAL	
Typical Application	WROV LARS
Luffing	12Te
Overboard Rating	17.6Te
DAF	3
Sea-State (Approx.)	6
Certification	
Design	Lloyds Rules
Environment	Safe Area
Weight	
Standard	25Te
Operating Temperature	
Standard	-20°C to +45°C
Deck Mounting	
No. Mount Points	4
Mount Configuration	Bolted plate, welded to deck
Lifting Requirements	
Main Lift	4-point
Sling	4 leg sling compliant to DNV2.7-1
Harness padeyes	Gantry clip in points

DIMENSIONS	
Operational	
Length	7000mm
Width (base)	4036mm (excluding deck mounts)
Height (max)	10797mm
Transport (Road Transportable)	
Length	9133mm
Width (base)	4036mm
Height (max)	3494mm
Equipment Handling	
Distance between legs	2900mm

PERFORMANCE	
Deployment (from Pivot)	
Outboard Reach	5400mm
Inboard Reach	To stowed
Telescopic Extension	2200mm
Umbilical Offlead	
Lateral	12°
Perpendicular	12°
Docking Head	
Latch	Fail safe scissor type
Rotator	270°
Sheave Wheel	
Diameter	1488mm
Umbilical Diameter	Up to 42mm diameter
Greasing	
Grease injection points	✓
Cartridge Greasing	✓
Hydraulic	
Supply (min)	250bar/100LPM
Connection	Quick release couplings

INSTRUMENTS / CONTROL	
Standalone Control Console	
Controls	Luff In / Out
	Telescopic Extend / Retract
	Lock / Float
	Manual / Automatic Latch
Indicators / Transducers	
Umbilical Length	✓
System Pressure	✓
Inboard luff limiter	✓
Latch indicators	Physical & Transducer





# 12Te SWL UMBILICAL WINCH

GENERAL	
Typical Application	WROV LARS
Design	Lloyds Rules
Environment	Safe Area
Weight	
Standard (Empty Drum)	17Te
Operating Temperature	
Standard	-20°C to +45°C
Deck Mounting	
No. Mount Points	4 (2 optional orientations)
Mount Configuration	Bolted plate, welded to deck
Padeyes	
Main Lift	4-point to DNV 2.7-3 with sling set

DIMENSIONS	
Extremities	
Length (across drum)	3720mm (excluding deck stools)
Width	2890mm
Height (includes fleeting)	3364mm

PERFORMANCE	
Line Pull	
Bottom layer	15Te
Top Layer	12Te
Winch Speed	
Range	35m/min – 55m/min (Depends on layer and umbilical type)
Umbilical capacity	
41.2mm (Typical) (Lebus Shell can be changed to allow for change of umbilical size)	3500m
Drive	
Hydraulic	Brevini or Bosch Rexroth depending on capacity and Umbilical requirements
Brake	External multi-disk type or integrated depending on hydraulic drive type
Spooling	
Fleeting Carriage	Closed Loop
Hydraulic	
Supply (max)	250bar/400LPM
Connection	Quick release couplings

CONTROL	
Standalone Control Console	
Controls	Proportional In / Out Remote operation possible

# LARS HPU - 150kW (Twin 75kW)

GENERAL	
Certification	
Design	Lloyds Rules
Environment	Safe Area
Weight	
Standard (inc. oil)	5500kg
Operating Temperature	
Standard	-10°C to +45°C
Deck Mounting	
No. Mount Points	4 (2 optional orientations)
Mount Configuration	Bolted plate, welded to deck
Dimensions <sup>1</sup>	
Length	2300mm
Width	1750mm
Height	2670mm
Padeyes	
Main Lift	4-point to DNV 2.7-3 with sling set

PERFORMANCE	
Power	
Total Power Output	150kW
Motors	2x 75kW 440-480VAC 50Hz or 60Hz, 3-Phase
Instrumentation	
Low Level Indicator with automatic cut-off	✓
High / Low Oil Temperature Indicator	✓
System Pressure Gauge	✓
Motor Running Indicator	✓
Filter Blocked Indicator	✓
Hours Run Meter	✓
Hydraulic	
Supply (max)	250bar/400LPM
Fittings	All Stainless Steel
Connection	Quick release couplings
Cooling	
Seawater Cooling	✓