

# DECK HYDRAULIC POWER UNIT SOLUTIONS

SMD bring years of knowledge and experience to the design and manufacture of launch and recovery systems to offer a range of deck Hydraulic Power Units (HPU's) specifically designed for integration with Winch and A-Frame LARS equipment. Standard SMD HPU's are manufactured to interface with SMD A-Frames and Umbilical Winches to minimise deck space to form a complete WROV handling system. HPU's are designed for easy integration with other SMD deck equipment but can be easily interfaced to other A-Frames and winches manufactured by other equipment suppliers. All SMD HPU's are designed for long service life and are available with DNV or Lloyds Design Approval.

## HPU FEATURES

- 110kW, 150kW and 250kW models available as standard
- Active Heave Compensation (AHC) suitable versions available
- Standard Safe Area or optional Zone II
- Dual motor for redundancy
- Light weight open frame design suitable for road transportation



## 110kW (Twin 55kW) HPU

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

PERFORMANCE	
<b>Power</b>	
Total Power Output	110kW
Motors	2x 55kW 440-480VAC or 690VAC 50Hz or 60Hz, 3-Phase
<b>Instrumentation</b>	
Low Level Indicator with automatic cut-off	✓
High / Low Oil Temperature Indicator	✓
System Pressure Gauge	✓
Motor Running Indicator	✓
Filter Blocked Indicator	✓
Hours Run Meter	✓
<b>Hydraulic</b>	
Supply (max)	250bar/400LPM
Fittings	All Stainless Steel
Connection	Quick release couplings
<b>Cooling</b>	
Seawater Cooling	✓



### 150kW (Twin 75kW) HPU

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

PERFORMANCE	
<b>Power</b>	
Total Power Output	150kW
Motors	2x 75kW 440-480VAC or 690VAC 50Hz or 60Hz, 3-Phase
<b>Instrumentation</b>	
Low Level Indicator with automatic cut-off	✓
High / Low Oil Temperature Indicator	✓
System Pressure Gauge	✓
Motor Running Indicator	✓
Filter Blocked Indicator	✓
Hours Run Meter	✓
<b>Hydraulic</b>	
Supply (max)	250bar/400LPM
Fittings	All Stainless Steel
Connection	Quick release couplings
<b>Cooling</b>	
Seawater Cooling	✓

### 250kW (Twin 125kW) HPU

GENERAL	
<b>Certification</b>	
Design	DNV & Lloyds
Environment	Safe Area or Zone II
AHC	None AHC or AHC Versions Available
<b>Weight</b>	
Standard (inc. oil)	8000kg
<b>Operating Temperature</b>	
Standard	-10°C to +45°C
<b>Deck Mounting</b>	
No. Mount Points	4 (2 optional orientations)
Mount Configuration	Bolted plate, welded to deck
<b>Dimensions<sup>1</sup></b>	
Length	2920mm
Width	2220mm
Height	2905mm
<b>Padeyes</b>	
Main Lift	4-point to DNV 2.7-3 with sling set

PERFORMANCE	
<b>Power</b>	
Total Power Output	250kW
Motors	2x 125kW 440-480VAC or 690VAC 50Hz or 60Hz, 3-Phase
<b>Instrumentation</b>	
Low Level Indicator with automatic cut-off	✓
High / Low Oil Temperature Indicator	✓
System Pressure Gauge	✓
Motor Running Indicator	✓
Filter Blocked Indicator	✓
Hours Run Meter	✓
<b>Hydraulic</b>	
Supply (max)	250bar/400LPM
Fittings	All Stainless Steel
Connection	Quick release couplings
<b>Cooling</b>	
Seawater Cooling	✓

Notes:

<sup>1</sup>Dimensions exclude deck mounting brackets. Standard dimensions shown, actual dimensions of final product are dependent on options selected.