

MECHANICAL PIPE LIFTING FRAME (PLF)



Oceaneering's Mechanical Pipe Lift Frames (PLF) are capable of lifting up to 24in pipeline 84in off the sea floor to facilitate repair and inspection operations. The mudmats fold (as shown) to reduce deck space requirement on the vessel and increase stability in the water column during deployment. Standard mudmats are designed for 25 psf or higher soil strengths at rated PLF loading. Custom mudmats, clamp configurations, and load ratings are available upon request.

Technical Data / Specifications

Dimensions

Height	179 in
Width	180 in
Length Mud Mats Closed	269 in
Length Mud Mats Deployed	569 in

Weight

In Air	25,500 lb
In SW	22,500 lb

Performance Specifications

Vertical Lift Load	40,000 lb
Vertical Lift Distance	84 in from seabed
Lateral Traverse Load	20,000 lb
Lateral Traverse Distance	36 in
Clamp Compliant Rotation	5 deg
Minimum Soil Strength	25 psf
Maximum Seabed Slope	5 deg

Hydraulic Requirements

Vertical Lift	Pressure: 2,750 psi
	Flow: 4 gpm
Lateral Traverse	Pressure: 2,750 psi
	Flow: 4 gpm
Clamp Open/Close	Pressure: 1,500 psi
	Flow: 4 gpm
Mud Mats Open/Close	Pressure: 2,750 psi
	Flow: 4 gpm

