

Pipe Deck Pipe Handlers

MH™ PDPH 100 series, pedestal mounted

HMH's pipe deck pipe handler MH™ PDPH 100 provides superior handling of tubulars at the pipe deck. It also features pad eyes for auxiliary lift and an utility winch for handling a variety of different objects.

Product description

With a large operating sector and lifting capacity, our PDPH is a vital part of the pipe handling system. It's main purpose is to transport tubulars from the pipe deck to the tubular feeding machine (TFM). The MH™ PDPH 100 is pedestal mounted and is available in four different designs to meet project requirements:

- Triplex compact
- Triplex medium
- Triplex medium extended
- Duplex large

The duplex large variant is delivered with an integrated dedicated hydraulic power pack (HPU) located at the crane. The triplex compact, medium and medium extended variants are either supplied from the hydraulic ring line system or delivered with a dedicated HPU as an option. The optional HPU can be located in a safe area nearby the PDPH.

Benefits

- The self adjusting yoke eliminates manual intervention
- The utility winch provides independence from other lifting equipment on the rig
- Machine vision and CCTV provides an overview of the entire lifting operation
- Safe zone management system with predefined paths for smart speed and increased performance and uptime

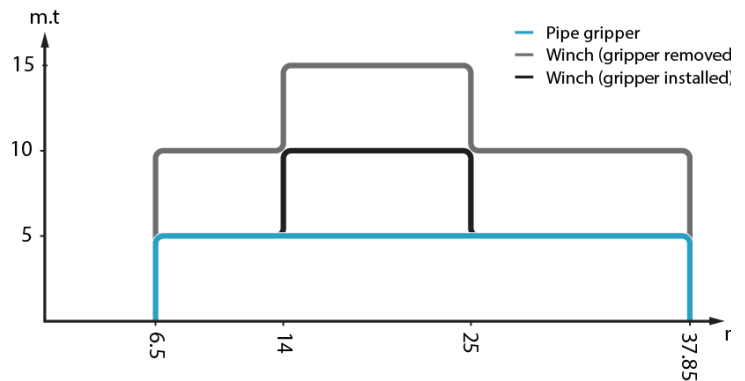
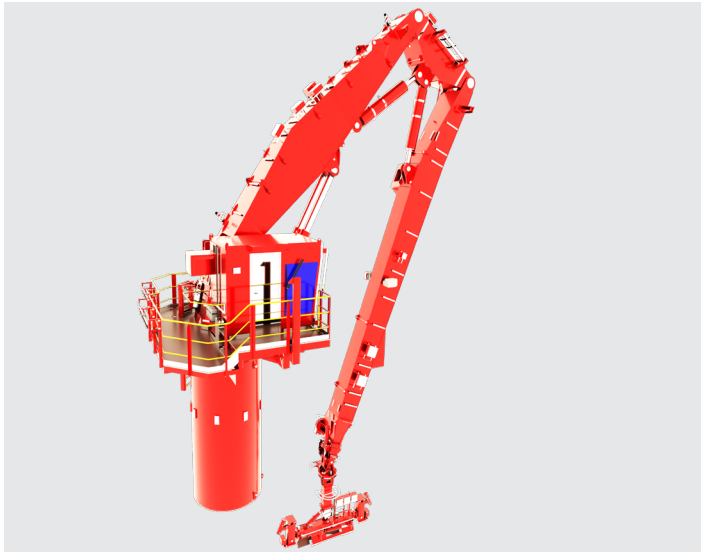
Key features

Our MH™ PDPH 100 is equipped with a dedicated cabin and operator chair. The HPU, if included, is also started from the cabin. An electric radio remote control can be included as an option for auxiliary lift and winch operation

Available options

- HPU/ring line
- Radio panel





Technical specifications

	PDPH 100 DL-45	PDPH 100 TM-46	PDPH 100 TME-47	PDPH 100 TC-48	RPC 100 D-49
Safe working load with yoke	5.51 short tons @ 21.3 - 124.0 ft (5 mT @ 6.5 - 37.8 m)	4.96 short tons @ 8.5 - 82.0 ft (4.5 mT @ 2.6 - 25.0 m)	3.83 short tons @ 8.5 - 95.1 ft (3.5 mT @ 2.6 - 29.0 m)	3.86 short tons @ 7.6 - 76.1 ft (3.5 mT @ 2.3 - 23.2 m)	22.0 short tons @ 23.0 - 111.5 ft (20 mT @ 7.0 - 34.0 m)
Auxiliary lift Safe working load with winch	5.51 short tons @ 21.3 - 124.0 ft (5 mT @ 6.5 - 37.8 m)	5.51 short tons @ 8.5 - 23.0 ft (5 mT @ 2.6 - 7.0 m) 9.92 short tons @ 23.0 - 82.0 ft (9 mT @ 7.0 - 25.0 m)	5.51 short tons @ 8.5 - 23.0 ft (5 mT @ 2.6 - 7.0 m) 9.92 short tons @ 23.0 - 62.3 ft (9 mT @ 7.0 - 19 m) 5.73 short tons @ 62.3 - 95.1 ft (5.2 mT @ 19.0 - 29.0 m)	4.96 short tons @ 7.6 - 76.1 ft (4.5 mT @ 2.3 - 23.2 m) 3.86 short tons @ 72.2 - 76.1 ft (3.5 mT @ 22 - 23.2 m)	22.0 short tons @ 23.0 - 39.4 ft (20 mT @ 7.0 - 12.0 m) 38.6 short tons @ 39.4 - 82.0 ft (35 mT @ 12.0 - 25.0 m) 22.0 short tons @ 62.3 - 95.1 ft (20 mT @ 19.0 - 29.0 m)
Winch lift Safe working load with yoke	5.51 short tons @ 21.3 - 46.0 ft (5 mT @ 6.5 - 14.0 m) 11.0 short tons @ 46.0 - 82.0 ft (10 mT @ 14 - 25 m) 5.51 short tons @ 82.0 - 124.0 ft (5 mT @ 25.0 - 37.8 m)	5.51 short tons @ 10.5 - 80.4 ft (5 mT @ 3.2 - 24.5 m)	5.51 short tons @ 10.5 - 93.5 ft (5 mT @ 3.2 - 28.5 m)	N.A.	16.5 short tons @ 23.0 - 111.5 ft (15 mT @ 7.0 - 34.0 m)
Winch lift Safe working load without yoke	11.0 short tons @ 21.3 - 46.0 ft (10 mT@ 6.5 - 14 m) 16.5 short tons @ 46.0 - 82.0 ft (15 mT@ 14.0 - 25.0 m) 11.0 short tons @ 82.0 - 124.0 ft (10 mT@ 25.0 - 37.8 m)	N.A.			
Slew sector	360° unlimited	+/- 180° limited			360° unlimited
Tubular min./max.	2 7/8 - 22 in	2 7/8 - 20 in	2 7/8 - 26 in		Riser
Yoke rotation	+/- 90 °				
Tubular length, min./max.	Range 2 and 3 14.85/30 and 45 ft	Range 2 and 3 11.50/30 and 45 ft	Range 2 and 3 14.85/30 and 45 ft		50 ft
Total weight, approx.	181 000 lb (82 000 kg)	132 000 lb (60 000 kg)	154 000 lb (70 000 kg)	81 600 lb (37 000 kg)	300 000 lb (136 000 kg)
Yoke type	Gripper		Parallel yoke		Riser yoke

Data is subject to confirmation by the manufacturer.