



Powered Reels Systems and Storage Reels

AQPR-02D-290 Powered Reel

General

The AQPR-02D-290 powered reel system is a tower driven system capable of driving Coflexip, NKT and Wellstream type reels as well as Aquatic Installation reels. The unit is fitted with horizontal cylinders to engage the drive hubs into the reel and vertical hydraulic cylinders to raise and lower the drive hubs of reels at full load capacity.

The AQPR-02D-290 system is road transportable or can be shipped in a series of open topped containers worldwide by dismantling the unit into components. Packer frames are also available to suit varying reel flange diameters.

The AQPR-02D-290 is operated from an electric remote control console and powered by either a diesel or electric hydraulic powerpack from the Aquatic range.

Performance

Drive Torque:

- 120Te.m at 0.5 rev/min.
- 56Te.m at 1 rev/min.

Maximum Reel Weight:

- 290Te Offshore

Standard Reel Capacity:

- Width 5-6m
- Dia 6-11.4m



Note: For specific projects the maximum reel diameter and width of the system can be increased outwith the limits stated.

Ancillary Equipment

A level winder, stern chute and a variety of storage reels to suit the AQPR-02D-290 are also available for hire.

Dimensions and Weight

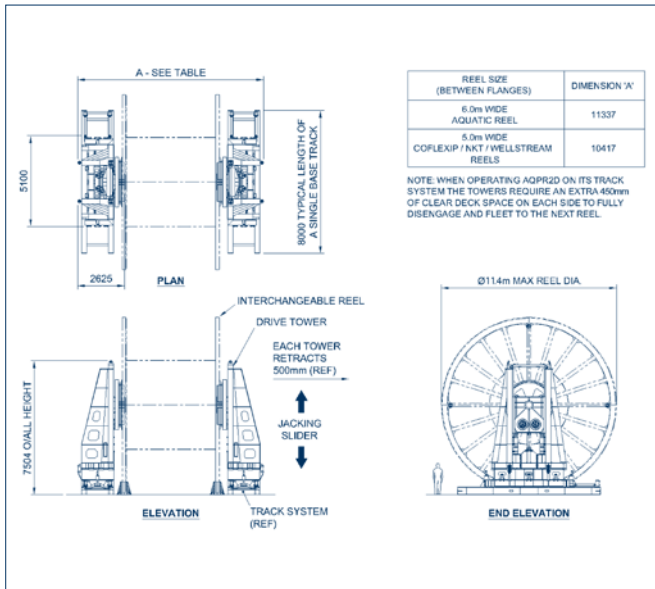
| Description | PR-02D-290 Set Up (5m reel) | PR-02D-290 Set Up (6m reel) | Individual Towers | Typical Powerpack | Control Cabin | Spares Container |
|-------------|-----------------------------|-----------------------------|-------------------|-------------------|---------------|------------------|
| Length | 10.5m | 10.5m | 1.20m | 2.6m | 1.6m | 2.6m |
| Breadth | 5.10m | 5.10m | 5.10m | 1.7m | 1.6m | 2.1m |
| Height | 7.5m | 7.5m | 7.5m | 2.25m | 2.2m | 2.2m |
| Weight | 30Te/tower | 30Te/tower | 30Te | 4Te | 1Te | 4Te |

Note: The powerpack is supplied with 10m hydraulic supply hoses and a 20m long power cable as standard. Longer hoses or cables can be supplied on request.

Multi – Reel Lay Mode

The AQPR-02D-290 operates in conjunction with the AQPRTS-04 powered reel track system. The track system consists of two sets of beams. The lower beams are seafastened to the deck of the vessel while the upper beams move along the

lower beams using a combination of hydraulic cylinders, rams and clamps. The AQPR-02D-290 tower is bolted to the upper beams of the tracked system.



During installation of product the first reel will be lifted out of its cradles using the AQPR-02D-290 jacks and the product installed. On completion of the installation the reel will be lowered back into its cradles using the AQPR-02D-290 jacks before moving the towers to engage the next reel using the tracked system. This procedure would be repeated for a number of reels depending on the available deck length of the vessel. This unit can be used with one set of tracks or a number of tracks for multiple reels depending on project requirements.