

Overview

Q-SPD's QSD 4 series offers a versatile, user-friendly and high-performance alternative for larger vessels up to 30 meters and suited to engine power to more than 3,000 hp per unit. The QSD4 is a fully integrated solution that offers extremely low maintenance requirements.

Being a complete solution, installation is easier and faster than any traditional conventional propulsion system. It incorporates the driveline, thrust bearing, propeller, rudders, steering links and exhaust in a bolt on assembly.

The QSD4 series is transom mounted giving more flexibility to the designer. It is now possible to move engines well aft and eliminate the need for V-drive gearboxes, freeing up that valuable midships space for all important accommodation. Engineering install runs are shorter, easier and so less expensive.



Installation

The carbon fibre/Eglass composite body is a monocoque structure meticulously built using latest resin infusion techniques. All mechanical components are made from marine grade materials such as NIBRAL and stainless steel, making the QSD4 light weight, robust and corrosion resistant.

All vital mechanics and components are situated inboard away from the harmful elements. Oil lubricated thrust bearing is water cooled and exhaust is also accommodated for on all models with optional flange fittings as shown. All QSD4 drives are supplied with intermediate shaft and Q-SPD specified custom designed propeller and power steering to match application thus completing the full propulsion solution.

Steering is achieved using any conventional marine steering system of choice via the convenient inboard mounted tiller. Steering can either be supplied as part of an integrated solution from Q-Marine or the builder is free to choose their favoured steering solution to integrate with the rest of the ships systems.

The QSD4 series is offered in 2 base models, the QSD400 and QSD450

**Specifications and Ratings**

Model Name	QSD 400	QSD 450
Transom Mounting Angle	6°	
Shaft Diameter	4.0" to 4.5" (up to 115mm)	
Max Propeller Diameter	45" (1140)	
Exhaust Diameter	12" (304mm) or 14" (356mm)	
Rudder Angle	35° + 35°	
Steering	Power Hydraulic or Electric Hydraulic	
Nom. Torque	+ 12,000Nm	+ 15,000 Nm
Nom. Weight (excl. propeller)	400 kg	430 kg

**Materials**

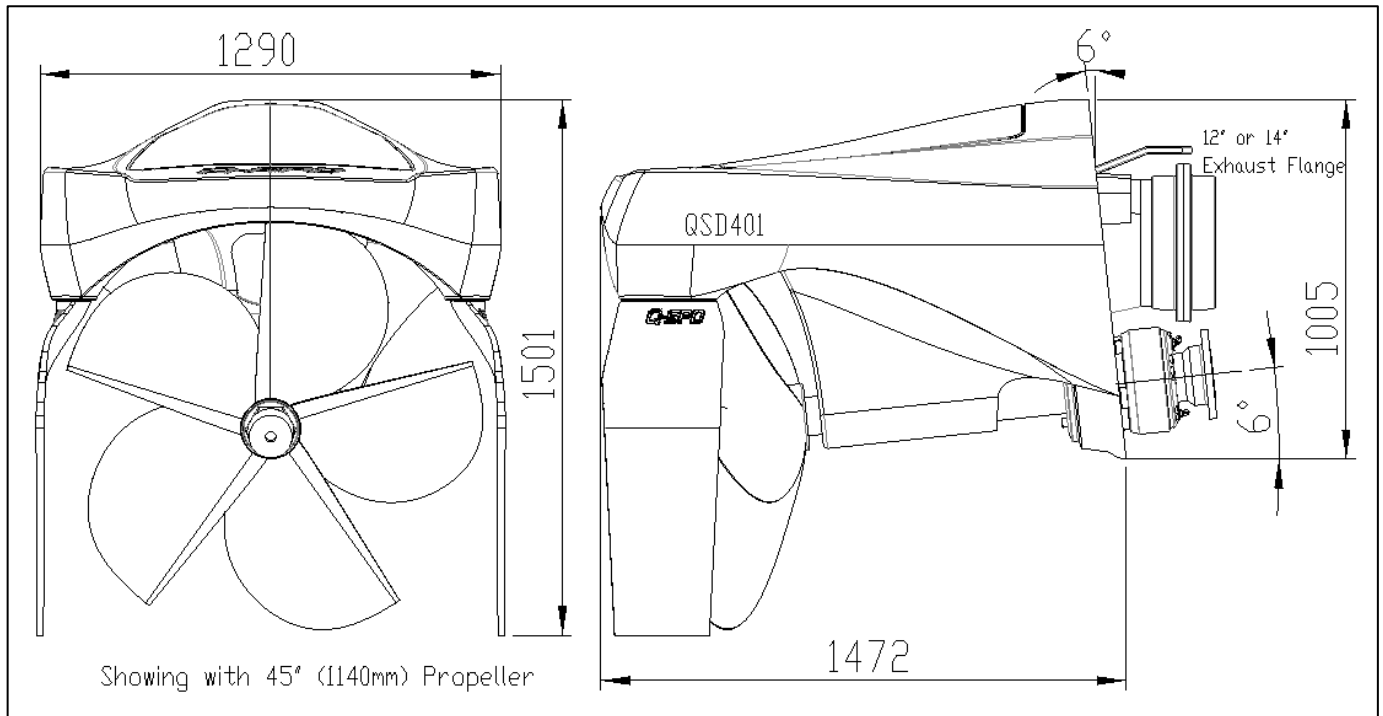
Main Housing	Eglass/CF/Epoxy
Main Shaft	SAF2205 / AS22
Rudders, Tillers and Mechanical	Nibral and marine grade stainless steel
Propeller shaft and rudder Bearings	Water Lubricated
Main Shaft Seal	Mechanical

[www.q-spd.com](http://www.q-spd.com)

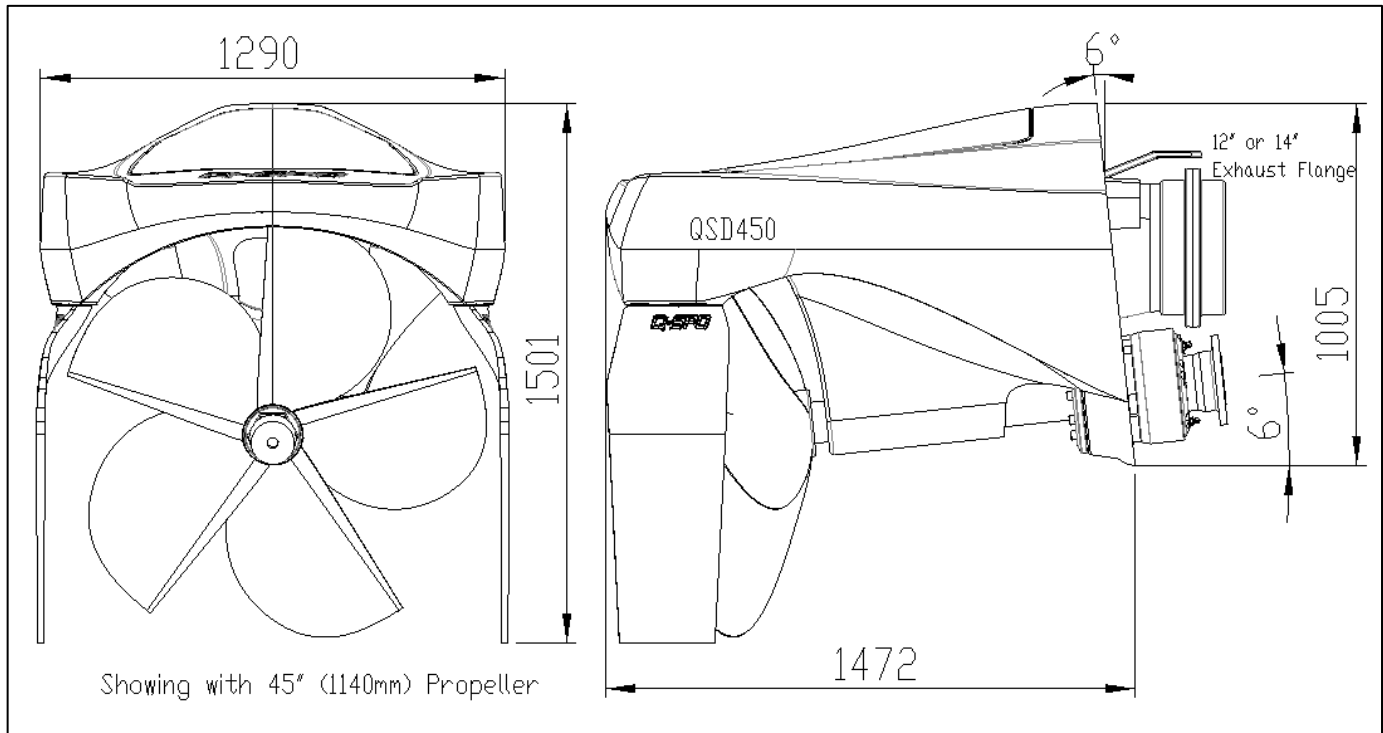
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**QSD 400**



**QSD450**



\*Specification Subject to change

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