

Overview

Q-SPD's new QSD 4 series offers a versatile, user-friendly and high-performance alternative for larger vessels to over 30 meters/100 tonnes and suited to engine power to more than 3,600 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, propeller, rudders, steering links and exhaust in a one bolt assembly.

The QSD4 series is transom mounted giving more flexibility to the designer. It is now possible to move engines aft and/or 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.

To make installation even more versatile, there are several driveline configurations that can be offered to suit individual designs and requirements. The base solution is supplied with a conventional type propeller shaft through conventional type mechanical shaft gland. The solution can then be configured for direct drive to gearbox, either integrated or remote mounted, or can be supplied with remote or integrated thrust bearing assembly and cardan shaft. We can also accommodate watertight bulkhead penetration without need for expensive bulk head seals. There is even scope for varied propeller shaft angles as low as 2°.

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	4.0" to 5.0" (up to 130mm)
Max Propeller Diameter	45" (1140)	54" (1370mm)
Exhaust Diameter	12" (304mm)	14" (356mm)
Rudder Angle	35° + 35°	
Steering	Power Hydraulic	
Nom. Torque	+ 12,000Nm	+ 17,600 Nm
Nom. Weight (excl. propeller)	400 kg	470 kg

Materials

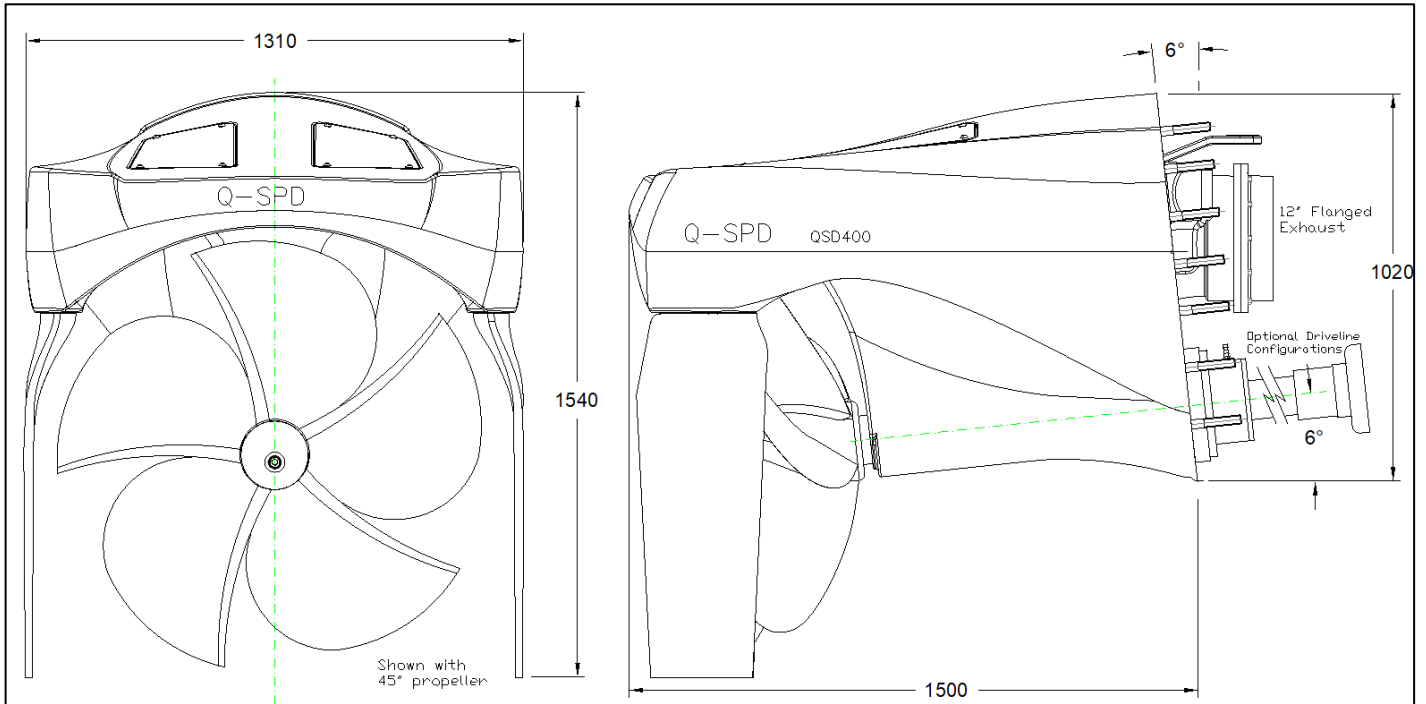
Main Housing	Eglass/CF/Epoxy
Main Shaft	SAF2205 / AS22
Rudders, Tillers and Mechanical	Nibral and marine grade stainless steel
Propeller shaft and rudder Bearings	Water Lubricated
Main Shaft Seal	Mechanical

QSD 400

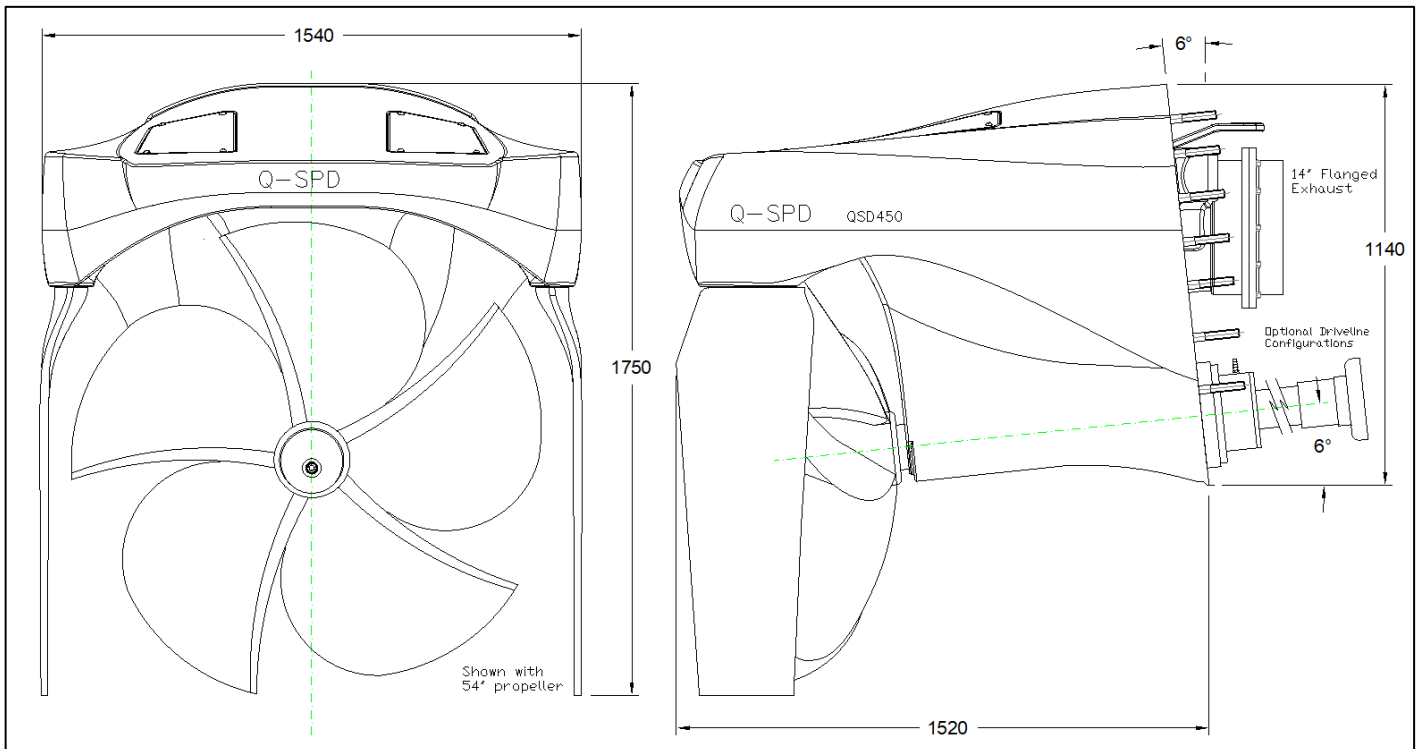
www.q-spd.com

Manufactured by :

Q-Marine International Ltd, Auckland, New Zealand, Ph: +64 9 4485801. Email: info@q-spd.com



QSD450



*Specification Subject to change

www.q-spd.com

Manufactured by:
Q-Marine International Ltd, Auckland, New Zealand, Ph: +64 9 4485801. Email: info@q-spd.com

© Copyright 2018 - Q-Marine International Ltd