



## SYDNEY HARBOUR CATAMARAN FERRIES

MARINE PRODUCTS

Twin Disc helps Captain Cook Cruises Australia stay on schedule.

Running up to 14 hours a day in Sydney Harbour, Captain Cook Cruises Australia ferries rely on Twin Disc transmissions and controls for proven, precision performance.



<b>Fleet:</b>	Captain Cook Cruises Australia				
<b>Location:</b>	Sydney Harbour, Australia				
<b>Passenger Catamarans:</b>	Elizabeth Class	Tubby Class	Tubby Class	Jillian Class Rocket	Maggie Cat
<b>Vessels:</b>	4	2	2	3	1
<b>Builder:</b>	RDM	RDM	Harwood Marine	Norman R. Wright	Aluminium Boats Australia
<b>Engine:</b>	Scania DI13	Cummins QSB6.7	Cummins QSB6.7	Scania DI13	Cat 3412
<b>Transmission:</b>	Twin Disc <a href="#">MGX-5114SC</a> with QuickShift	Twin Disc <a href="#">MGX-5075IV-FS</a> with QuickShift	Twin Disc <a href="#">MGX-5075IV-FS</a> with QuickShift	Twin Disc <a href="#">MGX-5095A</a> with QuickShift	Twin Disc <a href="#">MG-6557SC</a>
<b>Electronic Controls:</b>	Twin Disc <a href="#">EC300 Electronic Controls</a>				



### Situation

For nearly 50 years, Captain Cook Cruises Australia has offered Sydney Harbour sightseeing, charter and ferry service—requiring utmost operating reliability.

### Implication/Problem

The line's ferries run up to 14 hours a day and 5,000 hours a year. To maintain tight timetables and continuing operations, each and every product in the vessels must work. Predictable maintenance is also a must, keeping downtime to a minimum. Prompt, responsive service and support are equally important.

### Solution

The line selected Twin Disc transmissions for four vessels—three featuring our revolutionary QuickShift system. The vessels also use EC300 electronic propulsion control.

*"Given the time that our ferries operate and our tight timetables, we need complete confidence that every product in the vessels works. We know that the Twin Disc products just perform."*

Anthony Haworth  
Managing Director  
Captain Cook Cruises Australia

### Results

Twin Disc products have delivered the "bulletproof" performance that Captain Cook Cruises Australia expects. "We've used Twin Disc products before," explains Anthony Haworth, managing director. "We'd actually tried some competitors' products in the past and had been let down, so it made the decision to use Twin Disc a lot easier."

The QuickShift transmission and EC300 electronic controls deliver the maneuverability essential for efficient ferry operation. No other transmission offers such shifting speed, smoothness, slow speed control, precision boat handling and safety.

Combined with the Twin Disc EC300 electronic controls, the QuickShift system empowers the crew with unparalleled boat control under all conditions. "Our skippers and operators know they can rely on the Twin Disc products, which gives them a lot of satisfaction," Haworth says.

Predictable maintenance intervals make it easy to schedule service while minimizing downtime. "We also know that if something does go wrong, we can get the support we need from the Twin Disc team," Haworth says.

The MGX series transmissions selected by Captain Cook Cruises Australia come standard with:

- Vertical offset, aluminum housing (MGX-5114SC)
- Down angle, aluminum housing (MGX-5095a)
- Freestanding V-drive, aluminum housing (MGX-5075IV)
- Electric GP-valve with manual override (MGX-5095a & MGX-5114SC)
- Electric Micro GP-valve (MGX-5075IV)
- Oil strainer and oil filter

Options include:

- Flexible coupling for 14" flywheel (MGX-5095a & MGX-5114SC)
- Freestanding flexible coupling for 11.5" flywheel (MGX-5075IV)
- Input flange for freestanding installation (MGX-5075IV)
- Harness to Twin Disc EC300 control system
- Oil cooler with thermostatic bypass valve (MGX-5095a & MGX-5114SC)
- Mounting brackets (MGX-5075IV)
- EC300 controls system
- EC300 displays