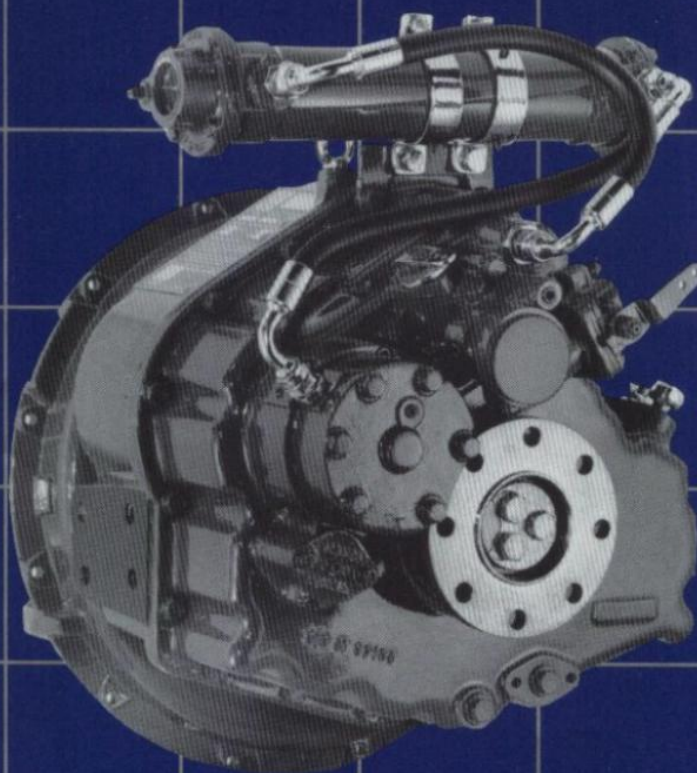




MARINE TRANSMISSIONS

IRM 310



Marine Transmission Power Capacity Data*

MODEL	RATIOS	SAE BRAKE HORSEPOWER (KILOWATTS)										
		DIESEL CONTINUOUS DUTY/BHP (kW)			DIESEL MEDIUM DUTY/BHP (kW)			DIESEL LIGHT DUTY/BHP (kW)			DIESEL PLEASURE CRAFT	
		1800 rpm	2100 rpm	2400 rpm	2100 rpm	2500 rpm	2800 rpm	2100 rpm	2300 rpm	2500 rpm	2100 rpm	2300 rpm
IRM 310 A (7 degrees)	1.078	262 (195)	306 (228)	349 (260)	348 (260)	414 (309)	464 (346)	444 (331)	486 (362)	528 (394)	509 (379)	557 (416)
	1.525											
	1.789											
	1.972	245 (183)	286 (213)	326 (243)	317 (236)	377 (281)	422 (315)	441 (329)	483 (360)	525 (391)	509 (379)	557 (416)
	2.558											

*Refer to ZF Marine Transmission Selection Guide For duty definition and available data.

ZF, the acknowledged leader in high-horsepower-capacity, light-alloy marine transmissions, now offers a more compact, extremely high-horsepower-capacity solution for your most demanding propulsion performance needs.

The IRM 310 A is designed for high-performance planing hull vessels in private use, such as sport fishing boats, express cruisers and other high-horsepower-to-weight applications. The IRM 310 A permits the use of high-output marine diesel engines to achieve the optimum performance of the boat.

Every ZF marine gear is subjected to a rigorous testing procedure before leaving the factory, ensuring a trouble-free unit ready for installation.

High-performance design features include increased clutch and bearing capacity, precision jig fixture manufacturing to eliminate alignment problems, and full power capacity in both forward and reverse ratios.

The IRM 310 A is compatible with diesel engines from all major manufacturers worldwide. It is also compatible with a variety of propulsion systems, such as water jets, propellers and surface piercing propulsion designs.

Torsional Responsibility

The responsibility for ensuring torsional compatibility rests with the assembler of the drive and driven equipment.

ZF can accept no liability for gearbox noise caused by vibrations or for damage to the gearbox, the flexible coupling or to other parts of the drive unit caused by this kind of vibration. Contact ZF for further information and assistance.

Ratings apply to marine transmissions currently in production and are subject to change without prior notice.

Safe Operation Notice

The safe operation of ZF products depends upon adherence to technical data presented in our brochures. Safe operation also depends upon proper installation, operation and routine maintenance and inspection under prevailing conditions and recommendations set forth by ZF. It is the responsibility of users and not ZF to provide and install guards and safety devices which

may be required by recognized safety standards, or by the Occupational

Safety Act of 1970 and its subsequent provisions.