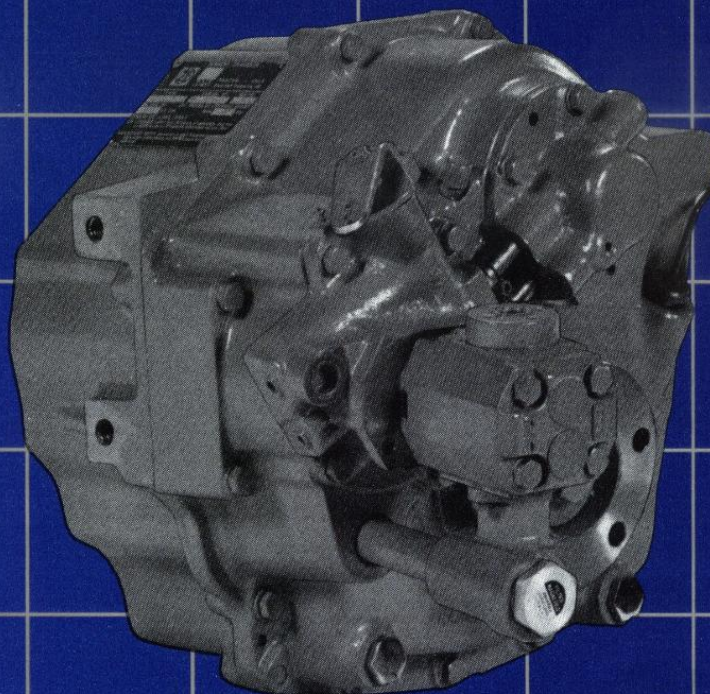




MARINE TRANSMISSIONS

IRM 225 A



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/BHP (kW)		
		1800 rpm	2100 rpm	2400 rpm	2100 rpm	2500 rpm	2800 rpm	2100 rpm	2500 rpm	2800 rpm	2300 rpm	2800 rpm	3200 rpm
IRM 225 A (5 degrees)	1.235	131 (98)	153 (114)	175 (131)	188 (140)	224 (167)	251 (187)	223 (166)	265 (198)	297 (221)	263 (196)	320 (239)	366 (273)
	1.533	124 (92)	145 (108)	165 (123)	176 (132)	210 (157)	235 (175)	223 (166)	265 (198)	297 (221)	263 (196)	320 (239)	366 (273)
	2.040	124 (92)	145 (108)	165 (123)	176 (132)	210 (157)	235 (175)	223 (166)	265 (198)	297 (221)	263 (196)	320 (239)	366 (273)
	2.454	124 (92)	145 (108)	165 (123)	171 (127)	203 (152)	228 (170)	223 (166)	265 (198)	297 (221)	263 (196)	320 (239)	366 (273)

*Contact ZF Engineering for duty definition and speed limitations.

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 225 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 225 A permits the use of high-output marine diesel and gasoline engines to achieve the optimum performance of the boat.

Every ZF marine gear is subject 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 225 A is compatible with diesel and gasoline 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.

MODEL	RATIOS	SAE BRAKE HORSEPOWER (KILOWATTS)		
		GASOLINE PLEASURE CRAFT/BHP (kW)		
		4000 rpm	4400 rpm	4500 rpm
IRM 225 A (5 degrees)	1.235	523 (390)	575 (429)	588 (439)
	1.533	523 (390)	575 (429)	588 (439)
	2.040	523 (390)	575 (429)	588 (439)
	2.454	523 (390)	575 (429)	588 (439)

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.