

IRM 220 A-1

Technical data and Installation dimensions

REDUCTION RATIOS	DIESEL SAE HORSEPOWER (KILOWATTS)							
	CONTINUOUS		MEDIUM		LIGHT		PLEASURE	
	1800 RPM	2400 RPM	2100 RPM	2800 RPM	2100 RPM	2800 RPM	2300 RPM	3200 RPM
1.235	146 (109)	194 (145)	210 (156)	280 (209)	247 (184)	329 (245)	287 (214)	400 (298)
1.533, 1.750 2.040	140 (105)	187 (139)	197 (147)	262 (195)	247 (184)	329 (245)	287 (214)	400 (298)
2.454	126 (94)	168 (126)	177 (132)	236 (176)	222 (166)	296 (221)	264 (197)	367 (274)

POWER/SPEED RATIOS (KW/RPM)

1.235	0.0603	0.0745	0.0876	0.0932
1.533 - 2.040	0.0581	0.0698	0.0876	0.0932
2.454	0.0523	0.0629	0.0789	0.0855

Max./Min. engine speed limits 4500/400 rpm

Ratings for gasoline engines on request

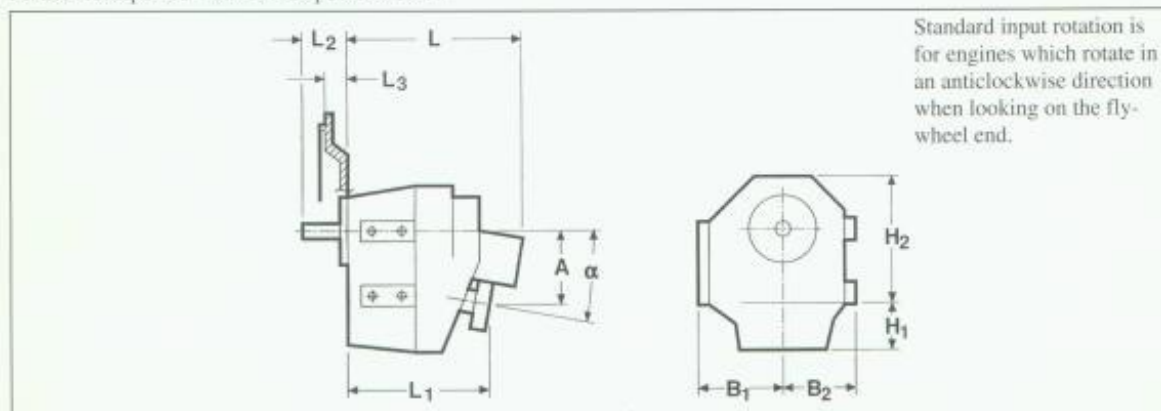
Maximum limit for continuous duty: 3200 rpm

Metric Horsepower = SAE Horsepower x 1.014

approx. dry weight*: 57 kg (125 lbs)

approx. oil capacity: 4 liter (4.2 qt)

* without bell housing



Dimensions	A	B ₁	B ₂	H ₁	H ₂	L	L ₁	L ₂	L ₃ (SAE 2)	L ₃ (SAE 3)	α
mm	144.5	187.5	187.5	116	86	376	246.4	93	40	20	10°
inches	5.69	7.38	7.38	4.57	3.38	14.80	9.7	3.66	1.57	0.79	10°

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. Damage to transmissions caused by repeated or continuous emergency manoeuvres or abnormal operation is not covered under warranty. 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 of the respective country (e.g. for U.S.A. - the Occupational Safety Act of 1970 and its subsequent provisions).

Subject to technical change without notice. For installation purposes, please request installation drawings.

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