

## BW 165A / BW 165 V

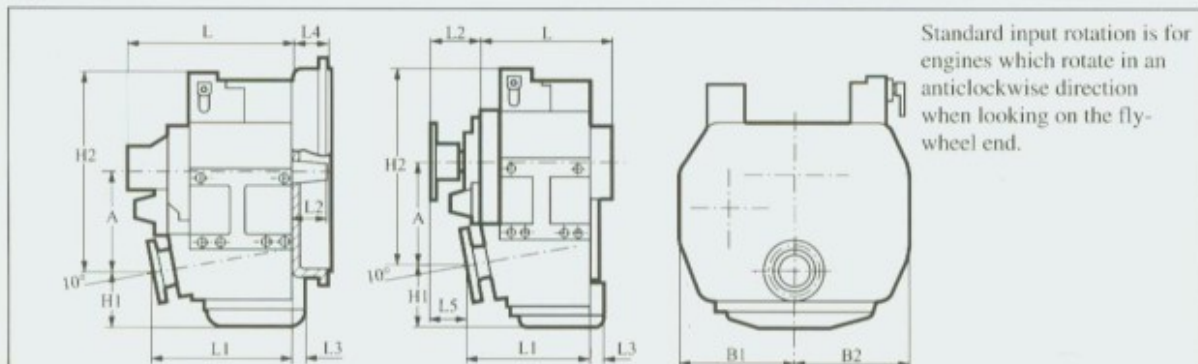
### Technical data and Installation dimensions

REDUCTION RATIOS	SAE HORSEPOWER (KILOWATTS)					
	CONTINUOUS		MEDIUM		LIGHT	
					1900 RPM	2300 RPM
1.525, 1.757 1.971, 2.517					827 (617)	1001 (747)
2.960					703 (524)	851 (635)
					1900 RPM	2300 RPM
					918 (684)	1111 (828)
					827 (617)	1001 (747)

POWER/SPEED RATIOS (KW/RPM)					
1.525-2.517					0.3246
2.960					0.2759
					0.3602
					0.3246

Max./Min. engine speed limits - Diesel: 3000/500 rpm  
Metric Horsepower = SAE Horsepower x 1.014

approx. dry weight\*: 288 kg (634 lbs)  
approx. oil capacity: 20 liter (21.2 qt)  
\* with bell housing - 'A' type  
with input flange - 'V' type



Dimensions	A	B <sub>1</sub>	B <sub>2</sub>	H <sub>1</sub>	H <sub>2</sub>	L	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>	L <sub>5</sub>
A	mm	276	305	305	144	563	538	434	84	25	115
	inches	10.87	12.0	12.0	5.67	22.17	21.18	17.09	4.53	0.98	4.53
V	mm	276	305	305	144	563	485	434	195	25	-
	inches	10.87	12.0	12.0	5.67	22.17	19.09	17.09	7.68	0.98	2.80

#### 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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