



Measurement Unit: kW / mm / kg / L

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ZF W340

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ZF 400 SERIES

- **Robust design also withstands continuous duty in workboat applications**
- **Fully works tested, reliable and simple to install**
- **Design, manufacture and quality control standards comply with ISO 9001**
- **Compatible with all types of engines and propulsion systems, including waterjets and surface- piercing propellers, as applicable**
- **Reverse reduction marine transmission with hydraulically actuated multi-disc clutches**

FEATURES

- Supershift2 technology inside
- Output shaft thrust bearing designed to take maximum propeller thrust astern and ahead
- Case hardened and precisely ground gear teeth for long life and smooth running
- Compact, space saving design
- Smooth and reliable hydraulic shifting with control lever for attachment of push-pull cable or other operating system
- Suitable for twin engine installation (same ratio and torque capacity engine-wise or counter-engine-wise)
- Emergency "get home" capability
- Durable cast iron construction
- Replaceable oil filter cartridge

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ACTUATION

Document Number	Description	Index	DXF	PDF	IGES	STEP	PRT	DWG
3217.600.028	MB 30-1	F4	DXF (99.5 KB)	PDF (209 KB)	IGES (1 MB)	STEP (307.4 KB)	PRT (610.2 KB)	DWG (140.9 KB)

Document Number	Description	Index	DXF	PDF	IGES	STEP	PRT	DWG
3217.600.057	EB 31	C8	DXF (131 KB)	PDF (246.4 KB)	IGES (1.3 MB)	STEP (449.5 KB)	PRT (820.6 KB)	DWG (184.4 KB)

BELL HOUSING

Document Number	Description	Index	TIF	DXF	PDF	IGES	STEP	PRT	DWG
3224.600.008	SAE 1		TIF (178.2 KB)	DXF (145 KB)	PDF (285.9 KB)	IGES (3.6 MB)	STEP (1.3 MB)	PRT (2.4 MB)	DWG (193.8 KB)

MOUNTINGS

Document Number	Description	Index	DXF	PDF	IGES	STEP	PRT	DWG
3216.600.003	for application with rubber elements (not supply by ZF)	E6	DXF (93 KB)	PDF (202.7 KB)	IGES (1.1 MB)	STEP (377.7 KB)	PRT (680.2 KB)	DWG (123.1 KB)
3216.600.004	with Rubber Elements (supply by ZF)	E3	DXF (107.3 KB)	PDF (188.7 KB)	IGES (1.3 MB)	STEP (395.7 KB)	PRT (794.4 KB)	DWG (142.1 KB)
3218.600.008	Rigid Brackts (special type)	2	DXF (37.7 KB)	PDF (96.2 KB)	IGES (519.6 KB)	STEP (158.5 KB)	PRT (275.8 KB)	DWG (58.7 KB)

CONNECTION

Document Number	Description	Index	DXF	PDF	IGES	STEP	PRT	DWG
3208.600.017	SAE 2 Flywheel Housing coupling centa CENTAFLEX-R-216 11.5	C2	DXF (109.4 KB)	PDF (134.8 KB)				DWG (151.1 KB)
3208.600.020	SAE 3 Flywheel Housing coupling centa CENTAFLEX-R-216 11.5	B3	DXF (107.4 KB)	PDF (139.7 KB)				DWG (148.2 KB)
3215.600.023	SAE 1 Flywheel Housing coupling Vulkan VULKARDAN-E 4010 11.5	E2	DXF (39.7 KB)	PDF (91.8 KB)				DWG (60.5 KB)
3215.600.066	SAE 1 Flywheel Housing coupling Vulkan VULKARDAN-E 4010 14	C2	DXF (37.4 KB)	PDF (88.1 KB)	IGES (165.6 KB)	STEP (43.7 KB)	PRT (286.5 KB)	DWG (57 KB)
3215.600.081	SAE 1 Flywheel Housing coupling centa CENTAFLEX-R-216 14	1	DXF (35.2 KB)	PDF (80.4 KB)				DWG (53.3 KB)
3215.600.082	SAE 1 Flywheel Housing coupling centa CENTAFLEX-R-216 11.5	2	DXF (32.9 KB)	PDF (77 KB)				DWG (50.1 KB)
3228.600.010	SAE 1 VULASTIK-L 2610 14" WITH ADD. MASS	1	DXF (151.5 KB)	PDF (165.7 KB)	IGES (1.2 MB)	STEP (245.2 KB)	PRT (974.8 KB)	DWG (231.3 KB)

OIL COOLER

Document Number	Description	Index	DXF	PDF	IGES	STEP	PRT	DWG
3215.600.075	Installation Drawing	C4	DXF (136.9 KB)	PDF (140.4 KB)	IGES (1.1 MB)	STEP (519.9 KB)	PRT (690.5 KB)	DWG (180.1 KB)

POWER TAKE OFF

Document Number	Description	Index	TIF	DXF	PDF	IGES	STEP	PRT	DWG
3214.600.023	Clutchable SAE J744 B	C	TIF (320.9 KB)	DXF (369.5 KB)	PDF (560.5 KB)	IGES (556.7 KB)	STEP (135.5 KB)	PRT (409.4 KB)	DWG (481.8 KB)
3216.600.008	Clutchable SAE J744 B	C2		DXF (305.1 KB)	PDF (308.7 KB)	IGES (1.4 MB)	STEP (399.7 KB)	PRT (1 MB)	DWG (392.2 KB)
3217.600.004	Live SAE J744 B	G1		DXF (35.5 KB)	PDF (79.5 KB)	IGES (1 MB)	STEP (304.6 KB)	PRT (770.4 KB)	DWG (53.6 KB)
3217.600.005	Live SAE J744 C	G2		DXF (39.1 KB)	PDF (87.5 KB)	IGES (708.3 KB)	STEP (247.3 KB)	PRT (359.9 KB)	DWG (59.3 KB)
3217.600.007	Clutchable SAE J744 C	J1		DXF (108.2 KB)	PDF (139.4 KB)	IGES (1.8 MB)	STEP (708.2 KB)	PRT (931.5 KB)	DWG (154.7 KB)
3217.600.008	Clutchable Pulley Application	J1		DXF (117 KB)	PDF (147.1 KB)	IGES (1.1 MB)	STEP (409.3 KB)	PRT (617.3 KB)	DWG (164 KB)

TABLE

Document Number	Description	Index
3224.604.004	Whirling data ZF W340	1

OPERATING INSTRUCTIONS

Document Number	Description	Index	PDF
3224.758.003	ZF W340 - Operating Manual - DE	A	PDF (3.1 MB)
3224.758.103	ZF W340 - Operating Manual - EN	A	PDF (3.1 MB)
3224.758.203	ZF W340 - Operating Manual - FR	A	PDF (3.1 MB)
3224.758.303	ZF W340 - Operating Manual - ES	A	PDF (3.1 MB)
3224.758.403	ZF W340 - Operating Manual - IT	A	PDF (3.1 MB)
3224.758.503	ZF W340 - Operating Manual - PT(BR)	A	PDF (3.1 MB)
3224.758.803	ZF W340 - Operating Manual - ZH	A	PDF (3.3 MB)
3224.758.908	ZF W340 - Operating Manual - FI	A	PDF (3.1 MB)
3224.758.909	ZF W340 - Operating Manual - EL	A	PDF (3.2 MB)
3224.758.910	ZF W340 - Operating Manual - DA	A	PDF (3.1 MB)
3224.758.911	ZF W340 - Operating Manual - JA	A	PDF (3.3 MB)

Document Number	Description	Index	PDF
3224.758.912	ZF W340 - Operating Manual - NL	A	PDF (3.1 MB)
3224.758.913	ZF W340 - Operating Manual - NO	A	PDF (3.1 MB)
3224.758.914	ZF W340 - Operating Manual - PL	A	PDF (3.1 MB)
3224.758.915	ZF W340 - Operating Manual - SV	A	PDF (3.1 MB)

INSTALLATION DRAWING

Document Number	Description	Index	DXF	PDF	IGES	STEP	PRT	DWG
3224.600.011	ZF W40 - Installation Drawing	0	DXF (1.6 MB)	PDF (1.7 MB)	IGES (14.1 MB)	STEP (5.5 MB)	PRT (10.8 MB)	DWG (2 MB)

TROLLING VALVE

Document Number	Description	Index	TIF	DXF	PDF	IGES	STEP	PRT	DWG
3217.600.030	Mechanical	B	TIF (153.3 KB)	DXF (40.6 KB)	PDF (151.7 KB)	IGES (294.8 KB)	STEP (158.5 KB)	PRT (244.1 KB)	DWG (53.1 KB)
3217.600.037	Electrical	D1	TIF (211.8 KB)	DXF (162.4 KB)	PDF (260.5 KB)	IGES (1.2 MB)	STEP (598.8 KB)	PRT (653.8 KB)	DWG (261.7 KB)

MONITORING

Document Number	Description	Index	TIF	DXF	PDF	DWG
3214.600.046	NPTF Adaper	1	TIF (93 KB)	DXF (248.1 KB)	PDF (118.3 KB)	DWG (307.1 KB)
3217.600.066	for EB 31 Control Valve (Homologated Transmissions)	1		DXF (764.8 KB)	PDF (828 KB)	DWG (1,013.3 KB)
3217.600.067	for MB 30-1 Control Valve (Homologated Transmissions)	2		DXF (533.7 KB)	PDF (606.2 KB)	DWG (697.3 KB)
3217.600.106	kit montoring for EB31 for classification	1	TIF (754.6 KB)	DXF (1.2 MB)	PDF (755 KB)	DWG (1.5 MB)
3217.600.109	kit montoring for MB30 for classification		TIF (666.1 KB)	DXF (1 MB)	PDF (669.6 KB)	DWG (1.3 MB)