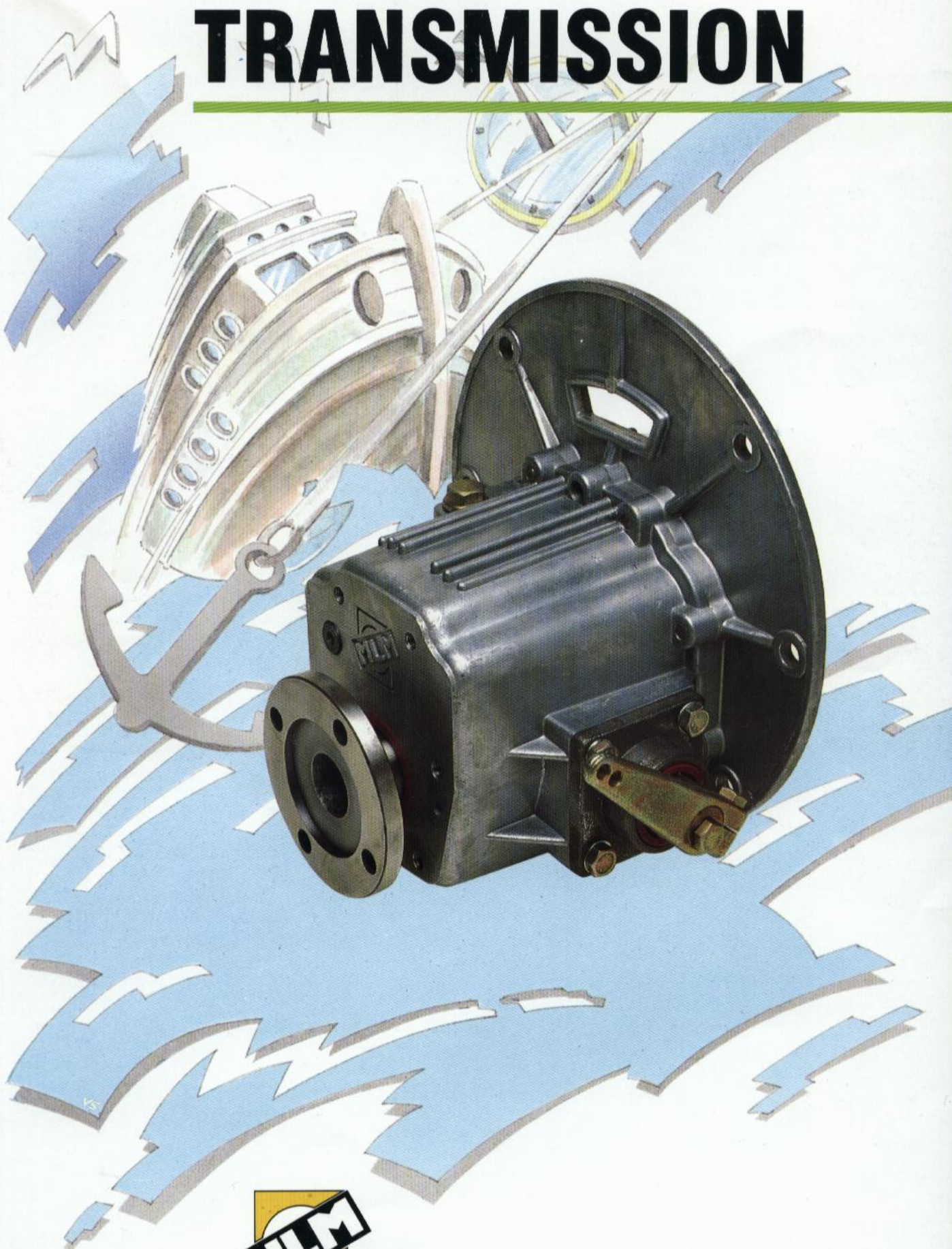
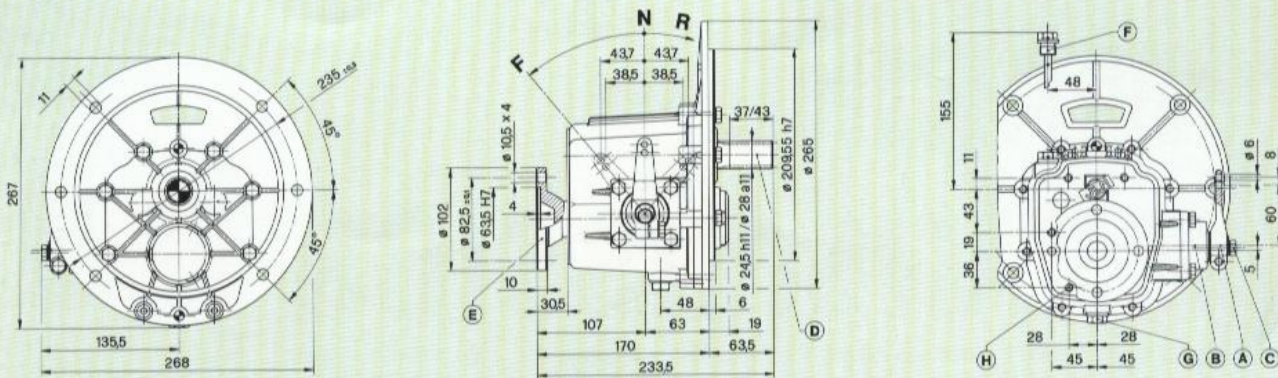


MARINE TRANSMISSION

KBS 080



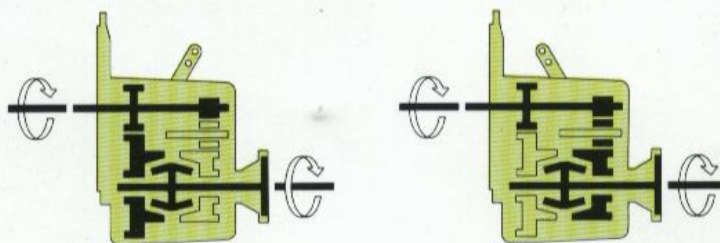
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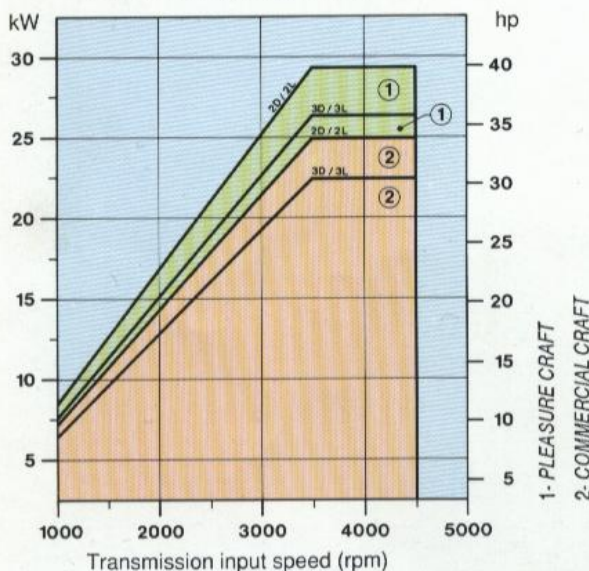
- A) SHIFT LEVER
- B) REVERSING MECHANISM
- C) REVERSING REGULATION SCREW
- D) INPUT SHAFT
SPLINE PROFILE: B 10x23x29, DIN 5464
- E) PROPELLER SHAFT FLANGE
- F) OIL VAPOUR BREATHER
OIL DIPSTICK
OIL FILLER HOLE
HOLE FOR DRAINAGE BY PUMP
(hole dia 15 mm)
- G) OIL DRAIN PLUG
- H) 6xM8x15

DRIVE AHEAD
(FORWARD)

DRIVE ASTERN
(REVERSE)



POWER DIAGRAM



MARINE TRANSMISSION KBS 080

is equipped with helical gearing system and parallel input and output shafts. The output shaft rotation change is actuated mechanically by means of cone clutch. The clutch is partly immersed in oil bath and made of high-quality materials (aluminium-bronze and heat treated alloy steel). The advanced design and good lubrication assure low noise operation, low wear and long and safe service life.

Robust tapered roller bearings take over the entire propeller thrust force and thus make an additional thrust bearing unnecessary.

Gears and shafts are made of high-quality heat treated alloy steels. The super-finished toothing enables quiet operation and high efficiency.

The housing made of special corrosion resistant aluminium alloy results in low weight and small dimensions. No additional oil cooling is required.

Gear changing requires only minimum effort and provision can be made for single-lever remote control.

The KBS 080 transmission is produced in two types:
 - KBS 080-D - for the engine with the clockwise rotation (engine front side view) and for the right-hand propeller
 - KBS 080-L - for the engine with the counter-clockwise rotation (engine front side view) and for the left-hand propeller.

The marine transmission KBS 080 is suitable for all kinds of motor vessels within the indicated power range (shaded area in the power diagram).

The lubrication of bearings and gears is ensured when sailing or on tow so that the transmission is also suitable for installation on sailing-boats.

TECHNICAL DATA		2D (2L)	3D (3L)
INPUT POWER			
Pleasure Craft	kW	29	26
Commercial Craft	kW	25	22
INPUT TORQUE			
Pleasure Craft	Nm	80	72
Commercial Craft	Nm	68	61
TRANSMISSION RATIO			
Drive ahead	i_A	1:1,956	1:2,722
Drive astern	i_B	1:2,368	1:2,647
INPUT SPEED (max.)	rpm	4500	4500
PROPELLER THRUST	N	3000	3000
WEIGHT	kg	10,5	10,5
FLUID QUANTITY	Liter	0,31	0,31
FLUID GRADE		SAE 15W - 40 HD	



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