

# Marine Transmission

## TK 660 L

### STANDARD SCOPE

SAE housing # 0, #1  
 Flexible coupling for 14" and 18" flywheel  
 Mechanical control valve  
 Oil strainer  
 Trolling valve (mechanical or electrical)  
 Oil filter mounted  
 Oil cooler with thermostatic bypass valve  
 Companion flange/bolts set  
 Mounting brackets  
 Shaft with key



**Available Ratio's**      5.15, 5.54, 5.91  
**Max Input Torque:**      214.86(Kgf.m)  
**Dry Weight:**              610 kg

### ADVANTAGES OF TK 660 L

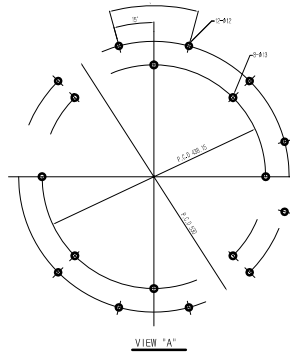
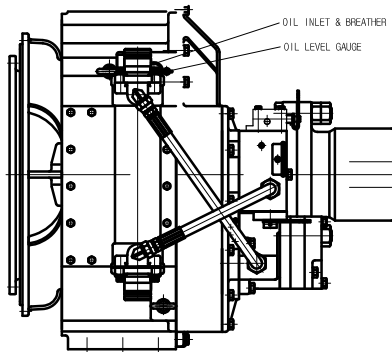
- 01 Greater durability through change of the rubber block made of special material.
- 02 Hydraulic clutch can be easily handled outside.
- 03 Control system fitted for a small-size ship and high speed.
- 04 Guaranteed durability.

### SPECIFICATIONS

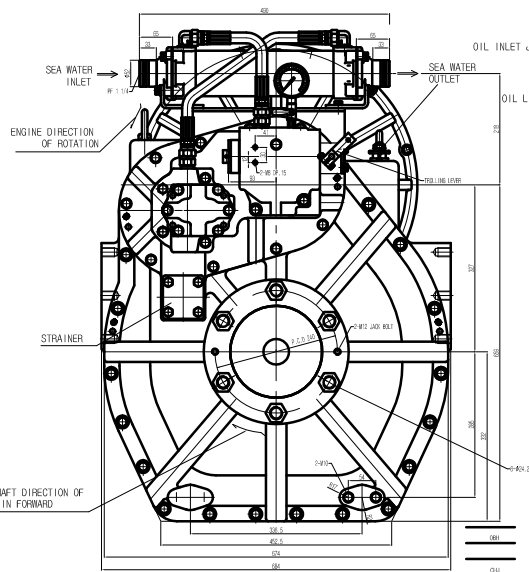
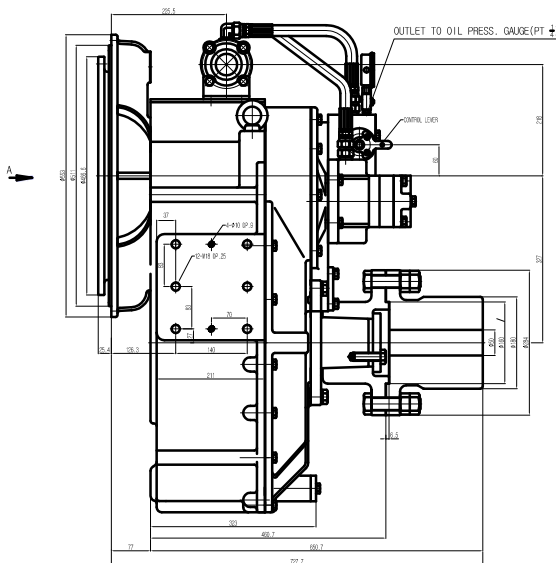
Model	Reduction Ratio	Max. Input Speed (rpm)	Max. Input Torque (Kgf.m)	Input Rating									Dry Weight (Kg)	Flywheel Housing (SAE No.)	Flywheel (Clutch No.)
				1600 rpm			1800 rpm			2100 rpm					
				KW	HP	PS	KW	HP	PS	KW	HP	PS			
TK 660 L	5.15, 5.54, 5.91	2,600	214.86	352	472	480	397	533	540	464	622	629	610	0,1	14,18

# Marine Transmission

## TK 660 L SAE#1

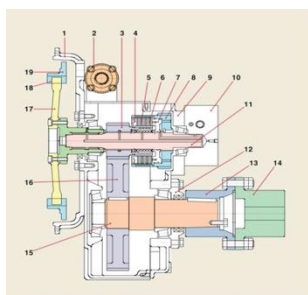


MARINE GEAR SPECIFICATION		
GEAR RATIO	5.15 : 5.54 : 5.91	
OIL CAPACITY	40 L	
WEIGHT	610 kg	
OIL VISCOSITY	SAE #30	
STRAINER	WIRE MESH	
OIL PRESSURE	18-25 kg/cm <sup>2</sup>	AT RATED ENGINE SPEED
LUB. OIL	1-5 kg/cm <sup>2</sup>	
DIRECTION OF ROTATION IN FORWARD	INPUT SHAFT C.C.W VIEWED FROM THE STERN	
	OUTPUT SHAFT C.W VIEWED FROM THE STERN	
OIL CHANGE INTERVAL	THE FIRST 100 HOURS OF INITIAL OPERATION AND EVERY 1000 HOURS THEREAFTER.	
SHIFTING LIMIT	UNDER 50% OF THE RATED ENGINE SPEED.	
OIL COOLER	WATER FLOW 40-60 L/min.	
	TEMPERATURE OF COOLING WATER	MAX. 32° C



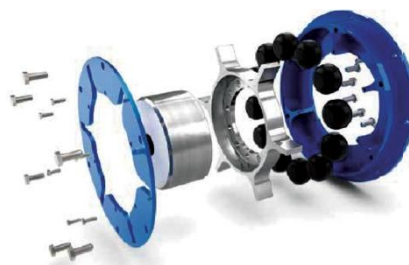
### PRECAUTIONS

- Align the center of engine with marine gear (For greater effectiveness and longer lifespan)
- Install the supporting bracket of marine gear.
- When assembling flange on output shaft of marine gear, be sure to align another flange accurately.
- Make sure to wash flywheel housing cover if dust should accumulate.
- When installing the cable and the remote-control level, check to make sure the marine gear level is smooth.
- The oil with the viscosity equivalent to SAE#30 is recommended.
- Check the oil amount of oil before sailing.
- After 100 hours of operation check the oil, and then change every 1,000 hours.



#### SECTIONAL DRAWING

- 1 Wheel Cover
- 2 Oil Cooler
- 3 Retainer Cover
- 4 Pinion Gear
- 5 Coupling
- 6 Coupling Companion
- 7 Plate, Side
- 8 Output Shaft
- 9 Plate, Sintered
- 10 Reduction Gear
- 11 Plate, Steel
- 12 Spider
- 13 Piston
- 14 Rubber Block
- 15 Drum Gear
- 16 Rubber Block
- 17 Block Cover
- 18 Driving Ring
- 19 Control Block

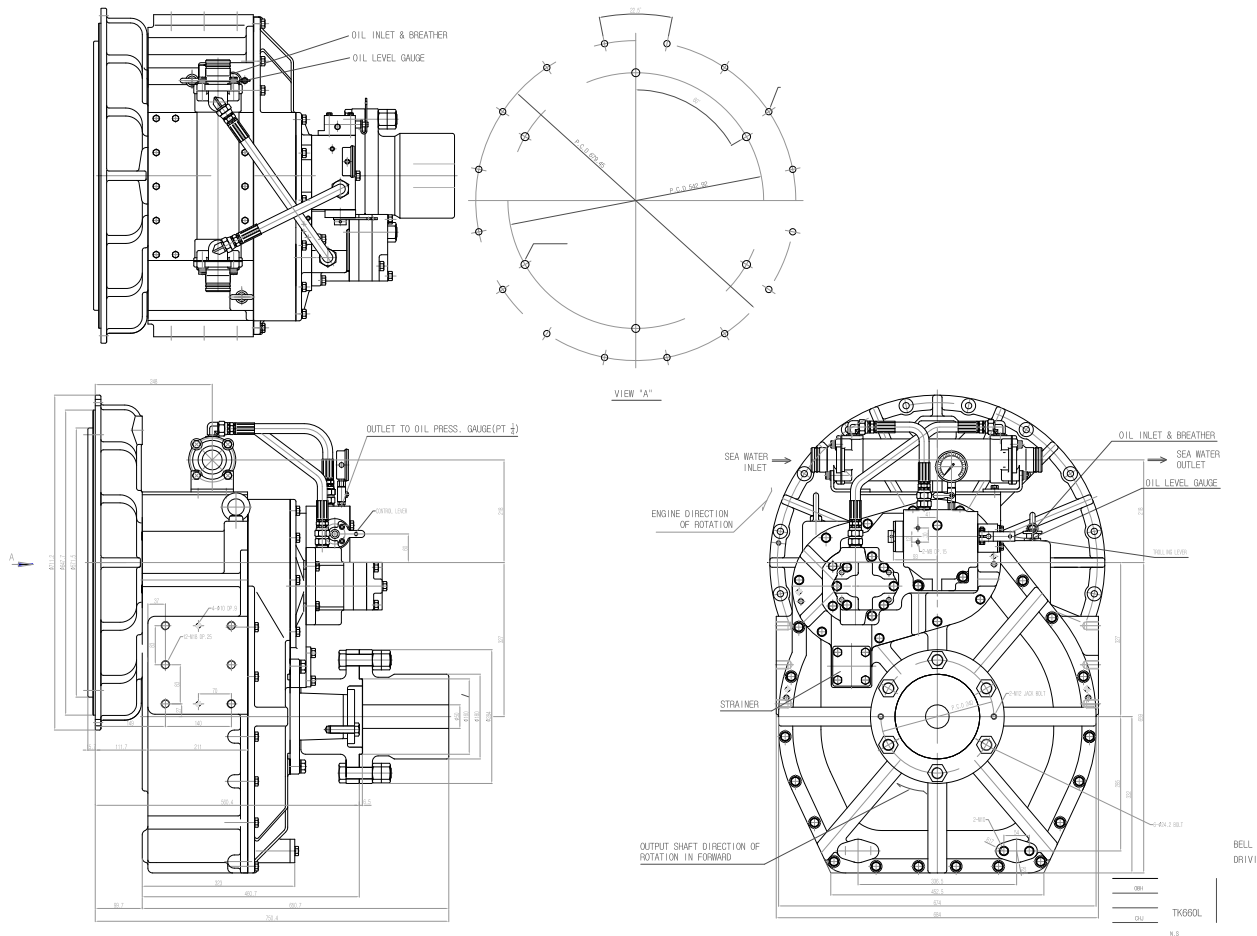


### ADVANTAGES OF FLEXIBLE COUPLING

- 01 Plug-in Connection
- 02 Heat-Resistant up to 130°C
- 03 Fail-safe solution
- 04 Lubrication free
- 05 Rubber block solution

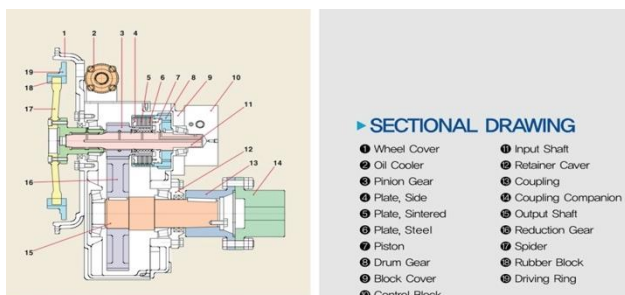
# Marine Transmission

## TK 660 L - SAE#0



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