

# Marine Transmission

## TK 750



### STANDARD SCOPE

SAE housing #0/ #1  
 Flexible coupling for 14"/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** 1.94, 2.59, 2.92/ 3.26  
**Max Input Torque:** 318.3 / 298.4 (Kgf.m)  
**Dry Weight:** 630 kg

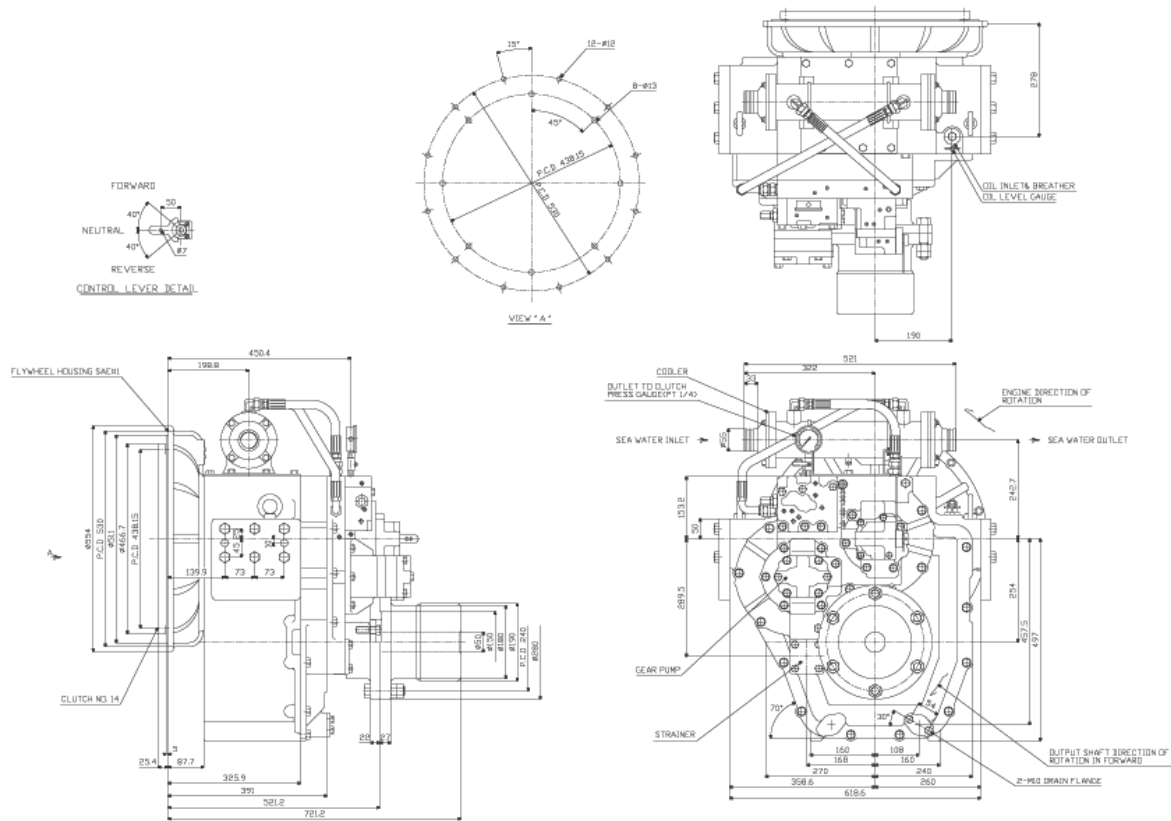
### ADVANTAGES OF TK 750

- 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.

### CHARACTERISTICS OF SPECIFICATIONS IN KILOWATS (KW) (HORSEPOWER (HP))

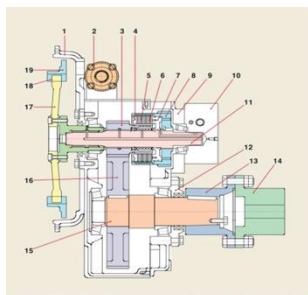
| Model  | Reduction Ratio | Max. Input Speed (rpm) | Max. Input Torque (Kgf.m) | Input Rating |     |     |          |     |     |          |     |     | Dry Weight (Kg) | Flywheel Housing (SAE No.) | Flywheel (Clutch No.) |
|--------|-----------------|------------------------|---------------------------|--------------|-----|-----|----------|-----|-----|----------|-----|-----|-----------------|----------------------------|-----------------------|
|        |                 |                        |                           | 1600 rpm     |     |     | 1800 rpm |     |     | 2100 rpm |     |     |                 |                            |                       |
|        |                 |                        |                           | KW           | HP  | PS  | KW       | HP  | PS  | KW       | HP  | PS  |                 |                            |                       |
| TK 750 | 1.94, 2.59      | 2600                   | 318.3                     | 523          | 701 | 711 | 588      | 789 | 800 | 687      | 920 | 933 | 630             | #0 / #1                    | 14/18                 |
|        | 2.92            |                        | 298.4                     | 490          | 657 | 666 | 552      | 739 | 750 | 644      | 863 | 875 |                 |                            |                       |
|        | 3.26            |                        |                           |              |     |     |          |     |     |          |     |     |                 |                            |                       |

# Marine Transmission TK 750



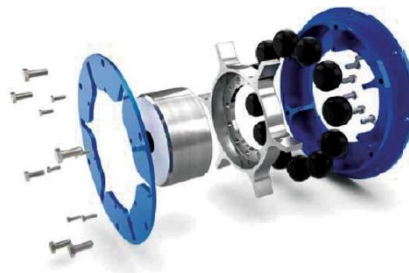
## PRECAUTIONS

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