# **Marine Transmission TK 190**



### STANDARD SCOPE

SAE housing #3, #4, #5
Flexible coupling for 7.5", 10" and11.5" 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



Max Input Torque: 29.3 (Kgf.m)

**Dry Weight:** 97 kg



### **ADVANTAGES OF TK 190**

- 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.

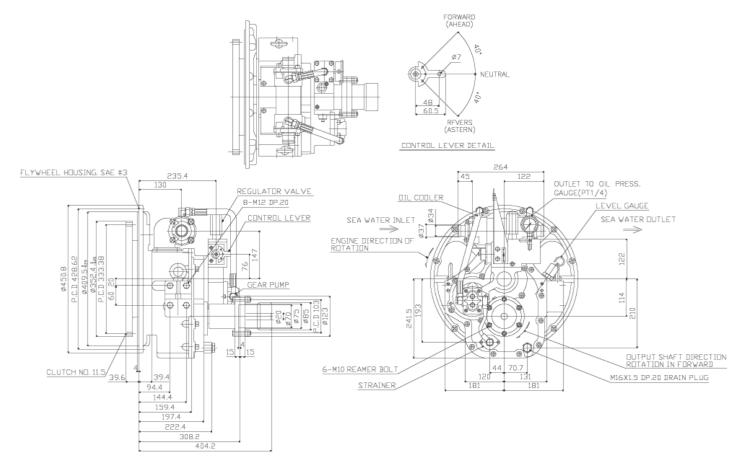
#### **SPECIFICATIONS**

Model	el Reduction Ratio	Max. Input Speed (rpm)	Max. Input Torque (Kgf.m)	Input Rating									Dry Weight (Kg)	Flywheel Housing (SAE	Flywheel (Clutch No.)
				1600 rpm			1800 rpm			2100 rpm				No.)	
				KW	HP	PS	KW	HP	PS	KW	HP	PS			
TK 190	1.62, 2.03, 2.5 2.79, 3.15	3,500	29.3	54	73	74	63	85	86	72	97	98	97	3,4,5	7,5,10, 11,5



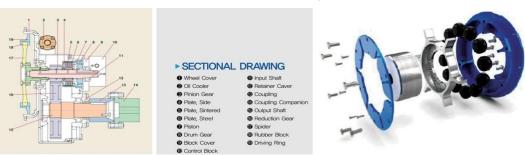
# **Marine Transmission TK 190**





## **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.





# ADVANTAGES OF FLEXIBLE COUPLING

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

lid koninklijke **metaalunie**