

Catalina 34 M35AC Transmission Selection Trade-off Table

Transmission	Shaft Offset (mm)	Length* (mm)	Max Power Rating	Ratios	Shifter	Cost October 2023	Comment
New ZF10M (aka Hurth HBW 100)	62	180	33kW / 44 hp @ 3000 rpm	F= 1.792:1 R= 1.864:1	Stbd side of transmission. Fwd: lever to the rear Reverse: lever forward	\$4942 USD	The ZF10M is not readily available. Catalina Direct apparently has access to some but at a very high price.
Rebuild OEM Hurth HBW 100	62	180	33kW / 44 hp @ 3000 rpm	F= 1.792:1 R= 1.864:1	Stbd side of transmission. Fwd: lever to the rear Reverse: lever forward	~\$3100 Cdn	Anthony-Keats could rebuild the original but they weren't optimistic. The main forward gear was damaged and needed replacement. None are available in North America. It could be months or years (or never) to get a new gear.
ZF12M	72	192	39kW / 53 hp @ 3000 rpm	F= 2.136:1 R= 1.955:1	Stbd side of transmission. Fwd: lever to the rear Reverse: lever forward	\$3300 Cdn	Approximate price from Anthony-Keats, Wheatley, Ont.
New Age PRM 60	68.5	163	18.9kW 25.5 hp @ 3000 rpm	F= 2:1 R= 2.05:1	Port side of transmission. Fwd: lever forward Reverse: lever to the rear	\$1222 Cdn	Insufficient power rating for M35 engine. Likely OK for M25 engines. Marine Parts Supply, Nanaimo, BC
New Age PRM 80	72	196	24.9 kW / 33.6hp @ 3000 rpm	F= 2:1 R= 2.474:1	Port side of transmission. Fwd: lever forward Reverse: lever to the rear	\$1409 Cdn	Reported to be discontinued and replaced with PRM 90. Marine Parts Supply, Nanaimo, BC
New Age PRM 90	72	197	28.2kW / 37.8hp @ 3000rpm	F= 2.04:1 R= 2.50:1	Port side of transmission. Fwd: lever forward Reverse: lever to the rear	\$1596 Cdn	Marine Parts Supply, Nanaimo, BC
Twin Disc Technodrive TMC 40P	67.5	160	26kW / 34.9hp @ 3000 rpm	F= 2.00:1 R= 2.13:1	Port side of transmission. Fwd: lever forward Reverse: lever to the rear	\$1910 Cdn	Recommended as appropriate replacement for Hurth HBW100 by Marine Parts Supply, Nanaimo, BC
Twin Disc Technodrive TMC 60P	78.75	225	47kW / 63hp @ 3000 rpm	F= 2.00:1 R= 2.00:1	Port side of transmission. Fwd: lever forward Reverse: lever to the rear	\$1736 USD	Beta Marine USA, NC This transmission is far too big for a Catalina 34

* Length from bellhousing mounting flange to output flange with no SAE 5 or Borg Warner adapter