

## T12 Dual Displacement Bent-Axis Motors



The T12 two-displacement motor is tailor-made for track drives. It allows a high ratio between high and low speed and installs as easily as a fixed displacement motor. Max speed ratio is 3.33-to-1. The T12 is a cartridge motor based on the well proven V12 series. The specially designed end cap with dual side ports permits a very short installation. A simple setting device moves the cylinder barrel to the maximum or

minimum displacement position. The setting is controlled by an external hydraulic pilot signal. A brake valve can be fitted without increasing the axial length of the motor. The twin ports have the same mounting pattern as those of the F12 and V12 motors. The F12/V12 accessory valve program also fits the T12 motor. As an option, integrated pressure relief valves can be included.

### Motor Performance Data

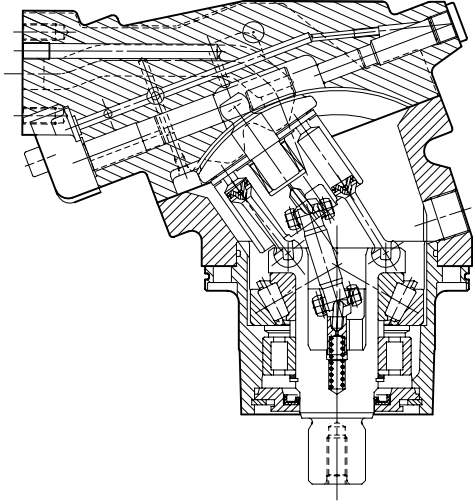
Model Series	Displacement in <sup>3</sup> /rev (cc/rev)	Outlet Pressure PSI (BAR)	Drive Speed RPM	Flow @ Rated RPM GPM (LPM)
T12-60	3.66 (60)	6000 (420)	5600	57 (215.8)
T12-80	4.88 (80)	6000 (420)	5000	66 (249.8)

### Markets

### Applications

Forestry	Feller Bunchers, Skidder, Forwarder
Construction	Dozers, Excavator

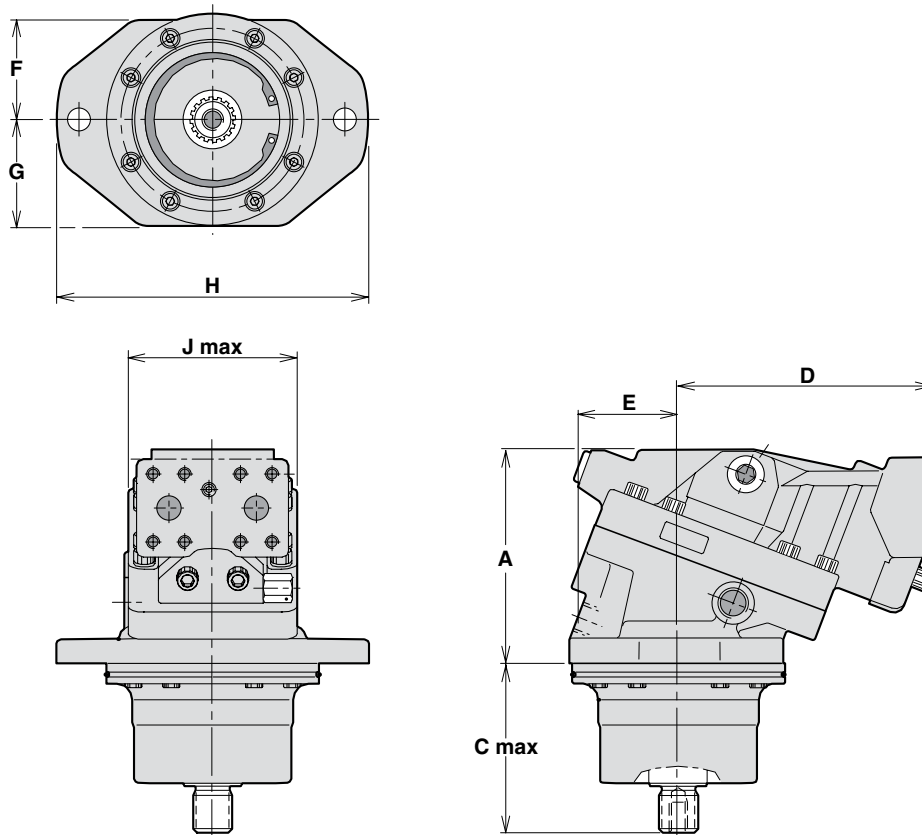
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### Benefits/Features

- Designed for Track drive applications the 3.33 to 1 speed ratio provides versatility
- Cartridge mount allows very short installation dimension
- Optional valve blocks do not add to length F12/V12 accessory valves will fit T12 motor

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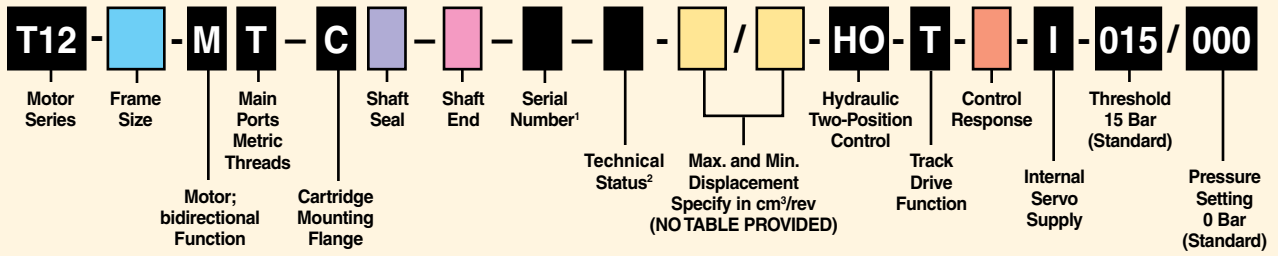
### Dimensions, inch (mm)

Series	A	C max	D	E	F	G	ØH	J max
T12-60	6.46 (164)	5.20 (132)	7.52 (191)	–	3.09 (78.5)	3.29 (83.5)	9.09 (231)	5.00 (127)
T12-80	6.30 (160)	6.12 (155.5)	8.07 (205)	3.07 (78)	3.52 (89.5)	3.92 (99.5)	10.35 (263)	5.35 (136)



# Motors

## T12 Model Ordering Code



Code	Frame Size
060	3.66 in³/rev (60 cm³/rev)
080	4.88 in³/rev (80 cm³/rev)

Code	Shaft Seal
H	NBR (Nitrile)
V	FPM (High Temperature Fluorocarbon)

Code	Shaft End
C	Spline DIN 5480 (Std)
D	Spline DIN 5480

Code	Control Response
01	Fast (Standard)
02	Slow (Optional)

<sup>1</sup> Assigned for special versions

<sup>2</sup> Assigned by factory