

## Booster Pump Option

The bi-directional gear displacement pumps utilized in REXA power modules are custom designed and manufactured. These pumps also play an integral role in our ability to provide the precise, reliable and compact self-contained actuation that REXA is famous for. As Electraulic™ actuation continued to prove itself in the industries most demanding applications, the demand for larger and faster actuators developed. To meet this demand, REXA designed supplementary booster pump packages that are used in conjunction with our D size power module.

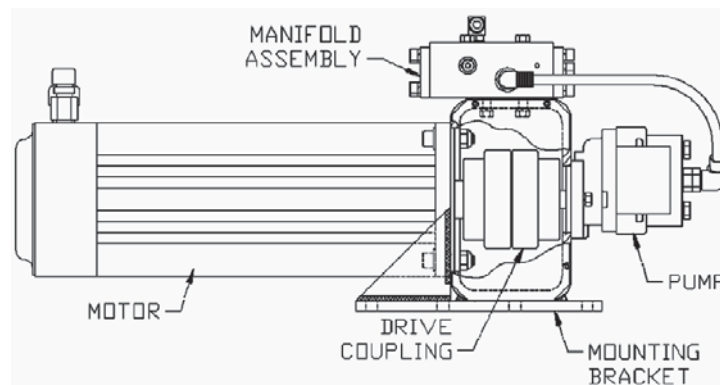
### THEORY OF OPERATION

Booster Pump Configurations utilize an Xpac power module and a large capacity “Booster Pump.” The power module provides fine positioning, while a booster pump provides the speed for large or coarse position changes. This dual pump operation allows REXA to extend its unique capabilities to very high thrust or torque units and high-speed operation without sacrificing position accuracy.

**Boost Pump:** {Booster Pump Breakpoint} defines the minimum deviation, **5.0** to **99.9%** of calibrated stroke or **Off**, between current position and Control Signal for the booster pump to turn on.

Two sizes of BOOSTER PUMPS are available: the D,P9 and the D,P40.

- The D,P9 provide 5 times the capacity of a D size power module or 2.5 GPM.
- The D,P40 has a pumping capacity of 11 GPM or 22 times a D size power module.



Drawing not to scale.

