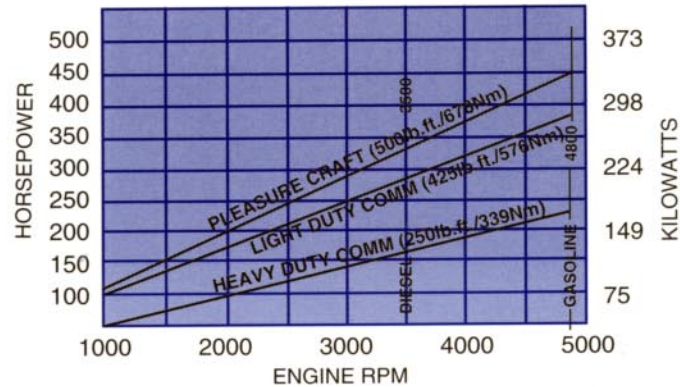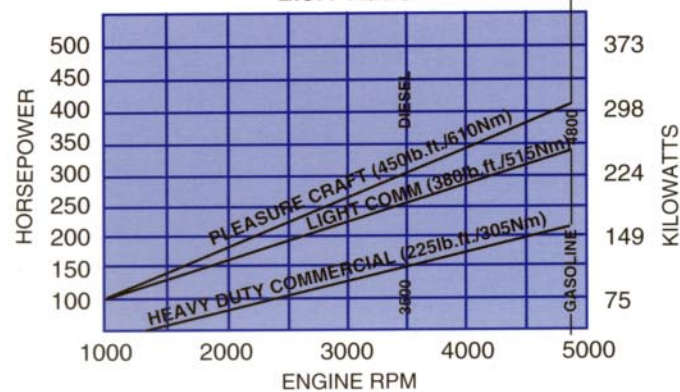# Classifications/Ratings

Gasoline and Diesel Engines
All But 2.8:1 Ratio

Gasoline and Diesel Engines
2.8:1 Ratio

Service Classifications:

Pleasure craft: Full throttle used approximately 5% of total running time. Typical cruising is at 80% or less of maximum rated engine speed. Engine running time is 400 or less hours per year. Applications in boats designed as pleasure craft and used for commercial use, such as charter boats or party fishing boats, are considered light duty commercial applications.

Light duty commercial: Full throttle used approximately 5% of total running time. Longer running periods with throttle setting at 75% or less of maximum rated engine speed. Engine running time is up to 1500 hours per year. Light duty commercial applications include sport fisherman boats, party fishing boats, crew boats, search & rescue boats, and patrol boats.

Heavy duty commercial: Full throttle used up to approximately 5% of total running time. Longer running periods up to 80% of maximum rated engine speed. Engine running time is up to 2500 hours per year. Heavy duty applications include towboats, heavy supply boats, ferries, and offshore fishing trawlers.

Important Notes:

System torsionals: System related noises or vibrations can occur at low engine speeds. They can cause gear rattle and result in damage to the boat engine as well as the transmission. Velvet Drive Transmissions, a Division of Regal-Beloit Corporation is not responsible for total system-related torsionals of this type.

Specifications: All specifications and descriptive data shown are nominal and subject to change without notice.

Lubrication: Dexron IIE, Dexron III, or any transmission fluid which meets Detroit Diesel Allison C-4 specification are recommended for use in all Velvet Drive® transmissions. **Applications:** Matching of engine, transmission model, transmission ratio and propeller size is important. The combination must allow the engine to obtain maximum rated engine RPM. Specific applications should be referred to Velvet Drive® transmission distributors for assistance.