Basic Drive Arrangements for Waterous Pumps

 SPECIFICATIONS

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Direct Engine Mounting



A special adapter permits mounting of most pump models directly onto the engine bell–housing. Makes a complete unit for skid mounting, trailer mounting or cross mounting on a pumper. This provides the most flexible pump–and–roll performance possible.



PTO Mounting

Pump is driven by a chassis transmission-mounted power take-off through a drive shaft. Power ratings of PTO's limit size of pump that can be used. Very popular for initial attack and mobile water supply apparatus. Provides either stationary or some pump-and-roll pumping performance.

Specifications subject to change without notice



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Front Mounting

Pump is mounted ahead of radiator, driven by a shaft from the front of engine crankshaft. This mounting allows use of midship space for a larger tank or more compartments and provides either stationary or pump–and–roll pumping performance.



Midship Mounting

The pump has a close coupled, split–shaft chain drive transmission located in the drive line between truck transmission and rear axle. This arrangement provides for the largest capacity stationary pump performance when using a single engine to power both the chassis and fire pump.



A Waterous full torque, split–shaft or PTO driven pump transmission is mounted in the midship driveline location. The pump can be mounted to the rear of the chassis and appropriate drive shafts connect the two. This provides tremendous flexibility in vehicle design and operation.