

DURST Next Generation Pump Drive Product Line

May 21, 2009

FEATURES and BENEFITS

- **MODULAR DESIGN** – bearings and gears are self-contained within the housings. Input and output adapters are not required to retain the bearings. Input and output adapters can be added or changed anytime prior to unit installation.
- **SOS SPUR GEARS** – (solid-on-shaft) one-piece gear/shaft design provides consistent and uniform alignment. Reduces the total number of parts. Bearings pressed on gears simplify assembly.
- **SIMPLER TO SERVICE** – does not require pressing shafts into bearings and gears through the housings. Ball bearings do not require shimming or special adjustment of pump pads and input adapters.
- **FEWER PARTS** – adapter groups are reduced to a single set of input housings and output pads for the entire product line. Gears are interchangeable across different models.
- **PATENTED SPLINE LUBRICATION (Patent No. 7,152,711)** – oil passages built into the housings, along with the bearing design, create constant oil flow across splines and through bearings, resulting in longer, trouble-free operation.
- **DROP-IN REPLACEMENT** – footprint is interchangeable with present pump drives and with the competition.
- **HIGHER RATING** – gear geometry and large ball bearings result in a higher horsepower rating over the present product line.
- **QUIETER OPERATION** – AGMA class10 gears provide smoother operation.
- **COMPETITIVE PRICING** – commonality of parts results in higher volume of fewer parts. Gear and housing designs result in less assembly time.
- **REDUCED LEAD TIME** – fewer parts allow the ability to carry inventory, resulting in quicker turn-a-round.

UNIT CONFIGURATIONS

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| (1) Pad – 6" Gear center | 6" Ratios: 1:1, 1.06, 1.18, 1.25, 1.32, 1.40, |
| (2) Pad – 6" Gear centers | 1.48, 1.57, 1.67 |
| (3) Pad – 6.5" Gear centers | 6.5" Ratios: 1:1, 1.17, 1.29, 1.36, 1.52 INC |
| Horsepower Rating: 495 @ 2500rpm (maximum input torque = 1,040 ft.lb.) | |
| (2) Pad – 8" Gear centers | 8" Ratios: 1:1, 1.13, 1.23, 1.34, 1.40, 1.53 INC |
| (3) Pad – 8" Gear centers | |
| (4) Pad – 8" Gear centers | |
| Horsepower Rating: 725 @ 2500rpm (maximum input torque = 1,525 ft.lb.) | |
| (4) Pad – 9" Gear centers | 9" Ratios: 1:1, 1.12, 1.20, 1.30, 1.40, 1.70 INC |
| Horsepower Rating: 815 @ 2500rpm (maximum input torque = 1,710 ft.lb.) | |
| (2) Pad – 10.5" Gear centers | 10.5" Ratios: 1:1, 1.21, 1.29, 1.38 |
| (3) Pad – 10.5" Gear centers | |
| Horsepower Rating: 950 @ 2500rpm (maximum input torque = 1,995 ft.lb.) | |
| (4) Pad – 11.33" Gear centers | 11.33" Ratios: 1:1, 1.16, 1.31, 1.39 |
| Horsepower Rating: 1025 @ 2500rpm (maximum input torque = 2,150 ft.lb.) | |

Note: All ratios are both increasing and decreasing, unless noted as INC or DEC.
Horsepower Rating is based on 1:1 ratio, 2500 rpm, and L₁₀ bearing life of 2,000 hours.