

## Move Large Amounts of Oil Fast

Tested to outperform and outlast all other pumps on the market – with its long-life design and intuitive, easy-to-use controls – the NXT High-Flo pump is the best value for the money. Fewer parts, faster repairs and long-lasting durability.

### Optional DataTrak™ Control

Intuitive, easy-to-use DataTrak control gives you pump diagnostics, material usage tracking and pump runaway protection.

### NXT Air Motor

Modular design for easier maintenance with rugged body armor that won't rust or dent.

### Modular Air Valves

Easy-to-repair valve eliminates stalling and contains de-icing controls.

### Integrated Air Controls

Easy-turn, lockable regulator is front-mounted for easy access. Compact and modular with built-in filtration.

### Piston Valve with Floating Piston Seal

For maximum pressure balance over a range of material viscosities.

#### Typical Applications

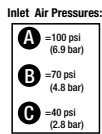
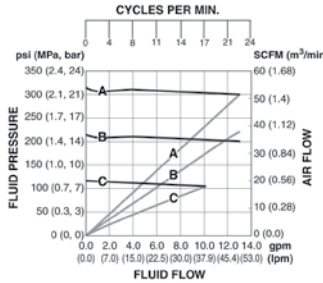
- Fleet service facilities
- In-plant
- Mining

#### Typical Fluids Handled

- Petroleum- and synthetic-based oils (motor, gear and ATF)

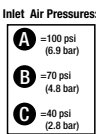
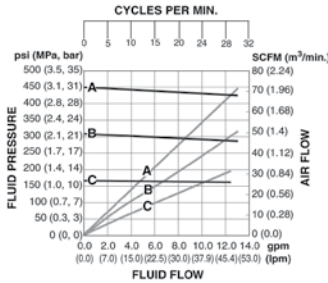
## Pump Performance

### NXT 3.5:1 High-Flo Pumps



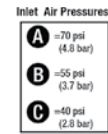
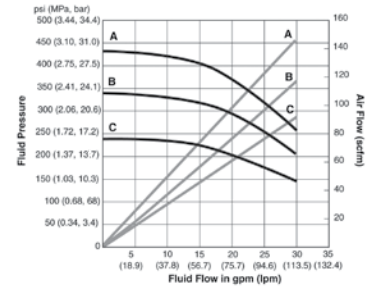
TEST FLUID:  
No. 10 Weight Oil

### NXT 4.5:1 High-Flo Pumps



TEST FLUID:  
No. 10 Weight Oil

### NXT 6:1 High-Flo Pumps



TEST FLUID:  
No. 10 Weight Oil

## Technical Specifications

|                                | 3.5:1   | 4.5:1   | 6:1   |
|--------------------------------|---|---|---|
| Fluid Pressure Ratio           | 3.5:1   | 4.5:1   | 6:1   |
| Air Motor Effective Diameter   | 7.5 in (191 mm)   | 7.5 in (191 mm)   | 10.375 in (264 mm)  |
| Maximum Fluid Working Pressure | 350 psi (24 bar / 2.4 MPa)  | 450 psi (31 bar / 3.1 MPa)  | 500 psi (34 bar / 3.4 MPa)  |
| Output per Cycle               | 2,000 cc  | 1,500 cc  | 2,000 cc  |
| Air Inlet                      | 3/4 in NPT(F)   | 3/4 in NPT(F)   | 3/4 in NPT(F)   |
| Fluid Inlet                    | 1-1/2 in NPT(F)   | 1-1/2 in NPT(F)   | 2 in NPT(F)   |
| Fluid Outlet                   | 1 in NPT(F)   | 1 in NPT(F)   | 2 in NPT(F)   |
| Air Operation Range            | 20 psi to 100 psi<br>(1.4 bar to 7 bar)                                   | 20 psi to 100 psi<br>(1.4 bar to 7 bar)                                   | 20 psi to 75 psi<br>(1.4 bar to 5.2 bar)                                  |
| Maximum Recommended Pump Speed | 60 cpm  | 60 cpm  | 60 cpm  |
| Cycles per Gallon (Liter)      | 1.9 (0.5)   | 2.5 (0.67)  | 1.9 (0.5)   |
| Wetted Parts                   | Stainless steel, PTFE, leather, UHMWPE, carbon steel                      | Stainless steel, PTFE, leather, UHMWPE, carbon steel                      | Stainless steel, PTFE, leather, UHMWPE, carbon steel                      |
| Sound Pressure Level           | 77 dB(A)  | 77 dB(A)  | 80 dB(A)  |
| Sound Power Level              | 87 dB(A)  | 87 dB(A)  | 90 dB(A)  |
| Approximate Weight             | 99 lb (44.9 kg)   | 99 lb (44.9 kg)   | 178 lb (80.7 kg)  |
| Instruction Manuals            | System – 312862<br>Pump – 311211<br>Pump Lower – 311690<br>Motor – 311238 | System – 312862<br>Pump – 311211<br>Pump Lower – 311690<br>Motor – 311238 | System – 312862<br>Pump – 311831<br>Pump Lower – 311832<br>Motor – 311238 |



**Ordering Information**

**Oil Pump Packages with DataTrak**

| Package Number with DataTrak              | 247888               | 247889              | 247892               | 247893               |
|---|----------------------|---------------------|----------------------|----------------------|
| Ratio                                     | 3.5:1                | 4.5:1               | 6:1                  | 6:1                  |
| Mounting                                  | 255143 (Wall)        | 255143 (Wall)       | 255143 (Wall)        | 218742 (Stand)       |
| Pump with DataTrak and Thermal Relief Kit | 24D590               | 24D591              | 24D594               | 24D594               |
| Output per Cycle                          | 2,000 cc             | 1,500 cc            | 2,000 cc             | 2,000 cc             |
| Output at 60 CPM                          | 31.5 gpm (119.2 lpm) | 23.2 gpm (87.8 lpm) | 31.5 gpm (119.2 lpm) | 31.5 gpm (119.2 lpm) |
| Motor Size                                | NXT 3400             | NXT 3400            | NXT 6500             | NXT 6500             |
| Maximum Fluid Pressure                    | 350 psi (24.1 bar)   | 450 psi (31 bar)    | 500 psi (35.2 bar)   | 500 psi (35.2 bar)   |
| Maximum Air Input Pressure                | 100 psi (6.9 bar)    | 100 psi (6.9 bar)   | 75 psi (5.2 bar)     | 75 psi (5.2 bar)     |
| System Manual                             | 312862               | 312862              | 312862               | 312862               |
| Pump Manual                               | 311211               | 311211              | 311831               | 311831               |
| Pump Lower Manual                         | 311690               | 311690              | 311832               | 311832               |
| Motor Manual                              | 311238               | 311238              | 311238               | 311238               |
| Pump Inlet Size                           | 1-1/2 in NPT         | 1-1/2 in NPT        | 2 in NPT             | 2 in NPT             |
| Pump Outlet Size                          | 1 in NPT             | 1 in NPT            | 2 in NPT             | 2 in NPT             |
| 4 ft x 3/4 in Air Hose                    | 110048               | 110048              | 110048               | 110048               |
| 6 ft x 1 in Fluid Hose                    | 115042               | 115042              | 247969               | 247969               |
| Instruction Manual                        | 309351               | 309351              | 307883               | 306520               |

**Oil Pump Packages without DataTrak**

| Package Number without DataTrak              | 24D602               | 24D603              | 24D606               | 24D607               |
|--|----------------------|---------------------|----------------------|----------------------|
| Ratio  | 3.5:1                | 4.5:1               | 6:1                  | 6:1                  |
| Mounting                                     | 255143 (Wall)        | 255143 (Wall)       | 255143 (Wall)        | 218742 (Stand)       |
| Pump without DataTrak and Thermal Relief Kit | 24D596               | 24D597              | 24D600               | 24D600               |
| Output per Cycle                             | 2,000 cc             | 1,500 cc            | 2,000 cc             | 2,000 cc             |
| Output at 60 CPM                             | 31.5 gpm (119.2 lpm) | 23.2 gpm (87.8 lpm) | 31.5 gpm (119.2 lpm) | 31.5 gpm (119.2 lpm) |
| Motor Size                                   | NXT 3400             | NXT 3400            | NXT 6500             | NXT 6500             |
| Maximum Fluid Pressure                       | 350 psi (24.1 bar)   | 450 psi (31 bar)    | 500 psi (35.2 bar)   | 500 psi (35.2 bar)   |
| Maximum Air Input Pressure                   | 100 psi (6.9 bar)    | 100 psi (6.9 bar)   | 75 psi (5.2 bar)     | 75 psi (5.2 bar)     |
| System Manual                                | 312862               | 312862              | 312862               | 312862               |
| Pump Manual                                  | 311211               | 311211              | 311831               | 311831               |
| Pump Lower Manual                            | 311690               | 311690              | 311832               | 311832               |
| Motor Manual                                 | 311238               | 311238              | 311238               | 311238               |
| Pump Inlet Size                              | 1-1/2 in NPT         | 1-1/2 in NPT        | 2 in NPT             | 2 in NPT             |
| Pump Outlet Size                             | 1 in NPT             | 1 in NPT            | 2 in NPT             | 2 in NPT             |
| 4 ft x 3/4 in Air Hose                       | 110048               | 110048              | 110048               | 110048               |
| 6 ft x 1 in Fluid Hose                       | 115042               | 115042              | 247969               | 247969               |
| Instruction Manual                           | 309351               | 309351              | 307883               | 306520               |



Oil Pumps and Packages