Series 6000
Dry Pit Solids-Handling Pumps

- Capacities to 19,000 GPM (4,315 m³/h)
- Heads to 300 ft. (91m)
- Temperatures to 150° F (66° C)
- Pressures to 150 PSI (1,034 kPa)
- Discharge sizes from 4” (102mm) to 20” (508mm)
- Solids (sphere size) from 2-1/2” (64mm) to 7” (178mm)

Standard Features
Engineered for long service life and low maintenance

- Micrometer axial shaft adjustment for easy adjustment to maintain clearance and reduce wear due to circulation between the impeller eye and suction plate
- Double-row ball thrust bearing
- Rugged dust-proof bearing frame machined to assure positive, accurate shaft alignment; provided with lubrication fittings
- Large diameter, high strength alloy steel shaft to provide maximum stiffness; prevents vibration and fatigue due to unusual operating conditions
- 40,000 hour minimum L-10 bearing life at the most extreme points on the pump curve; minimum 100,000 hours at the primary duty point
- Complete rotating assembly can easily be removed without disturbing the pump suction or discharge piping
- Hardened stainless steel shaft sleeve to protect the machined and polished alloy steel shaft; stainless steel shaft material optional
- Back pump-out vanes minimize end-thrust, reduce pressure on the stuffing box and prevent clogging
- Tapered shaft impeller engagement assures positive alignment and ease of removal at the impeller hub
- Contoured handhole inspection cover in casing
- Enclosed multi-vane solids-handling impeller; high efficiency designs reduce operating costs
- Rugged thick-walled reversible casings provide for clockwise or counter-clockwise rotation using CW or CCW impeller; discharge nozzle may be positioned on 45° increments
- Suction and backplate are separate components

 mono or optional mechanical seal

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PumpfinderPlus® Pump Selection & Sizing Software

Yeomans provides the latest in free, user-friendly pump selection and sizing software for all of our pump types and configurations; with easy online web access and supporting documents, including specifications, installation drawings, product information and sales brochures. The program facilitates easy submission of quotation and engineering support requests to our staff of experienced application engineers.