

## Pioneer Prime Diesel-Driven Centrifugal Pump Skid Package

# PP1212S17L71-1706J-E93TA

### PUMP SPECIFICATIONS

Size	12" x 12" (300 x 300 mm)
Impeller Diameter	17.25" (438 mm)
Max Flow	8,950 gpm (2,033 m <sup>3</sup> /h)
Max Head	240 feet (73 meters)
Solids Size	3.6" (90 mm)
Max. Operating Temp.	200 °F (93 °C)
Max. Operating Press.	260 psi (1800 kPa)

### ENGINE SPECIFICATIONS

FT4 Engine Type	1706J-E93TA - 335 HP
Displacement	550 cu. in. (9.3 l)
Fuel Consumption	19.7 gph (74.4 l/h) @ 1800 rpm
Continuous HP	335 HP (250 kW) @ 1800 rpm
Peak HP Rating	450 HP (335 kW)
FT4 Specifics (Def or No Def, DOC, SCR, etc.)	DOC/DPF, SCR, EGR
Safety Shut-Down Switches	Low oil press., high temp., v-belt failure
Instrument Panel	Oil pressure gauge, ampmeter, hourmeter, tachometer

### PIONEER PRIME PRIMING SYSTEM

Priming System	Mechanically driven diaphragm-style vacuum pump
Air Removal Cap.	50 cfm (.02 cms)
Priming Chamber	Positive sealing air separation w/stainless steel components
Discharge Check Valve	Ductile iron body; swing flex nitrile rubber flapper
Run Dry System	Oil-lubricated mech. seal allows pump to run completely dry without damage



### FEATURES AND BENEFITS

- Indefinite run-dry capability
- Extreme flow technology
- Environmentally safe priming system: Pioneer Prime
- Auto-start controls
- Trailer options available

### OPTIONS AND ACCESSORIES

Parts Kits No.	Mechanical Seal Kit: 372000149   Bearing Frame Kit: 373000135
Instrument Compatibility	Transducer
Telemetry Ready	Options Available

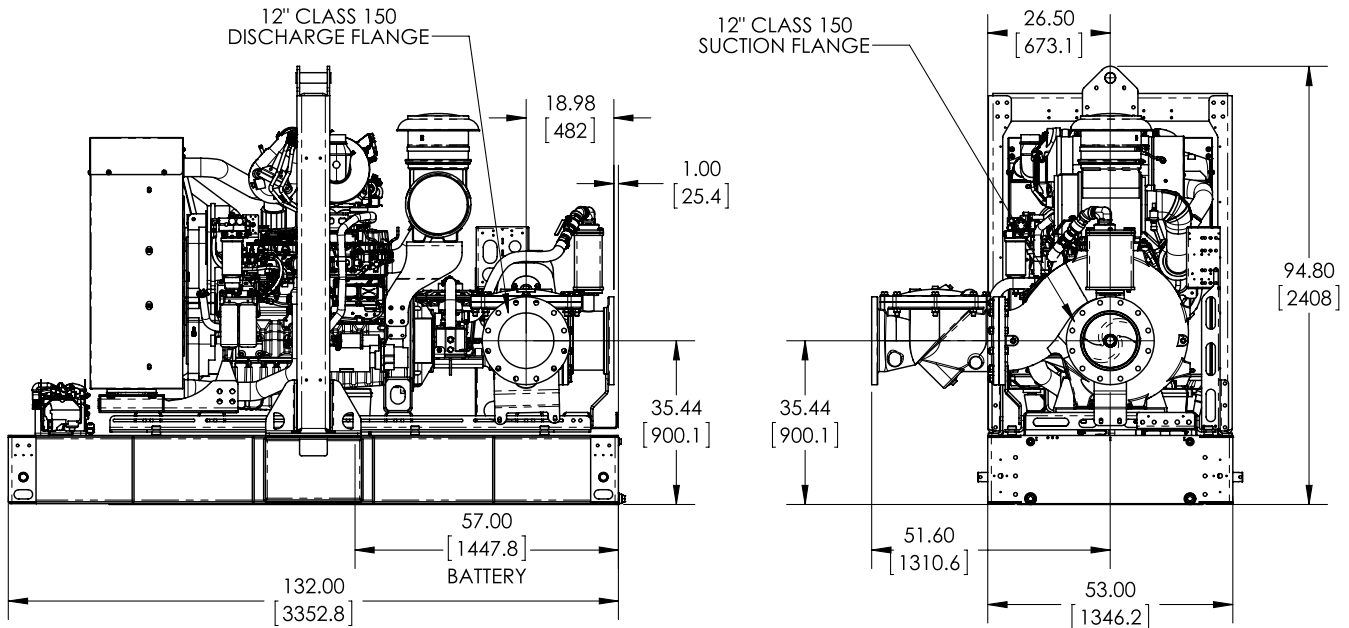
### PACKAGE SPECIFICATIONS

Fuel Capacity	210 gal
Control Panel	LOFA CP750
Operating Speed (Min. / Max.)	1,200 / 1,800 rpm
Instrument Compatibility	High/low level floats
Enclosure dB(A) Rating	68 dB(A) @ 26 feet (7 meters)
Optional Adders	Exterior lighting, solar or 120VAC trickle charger

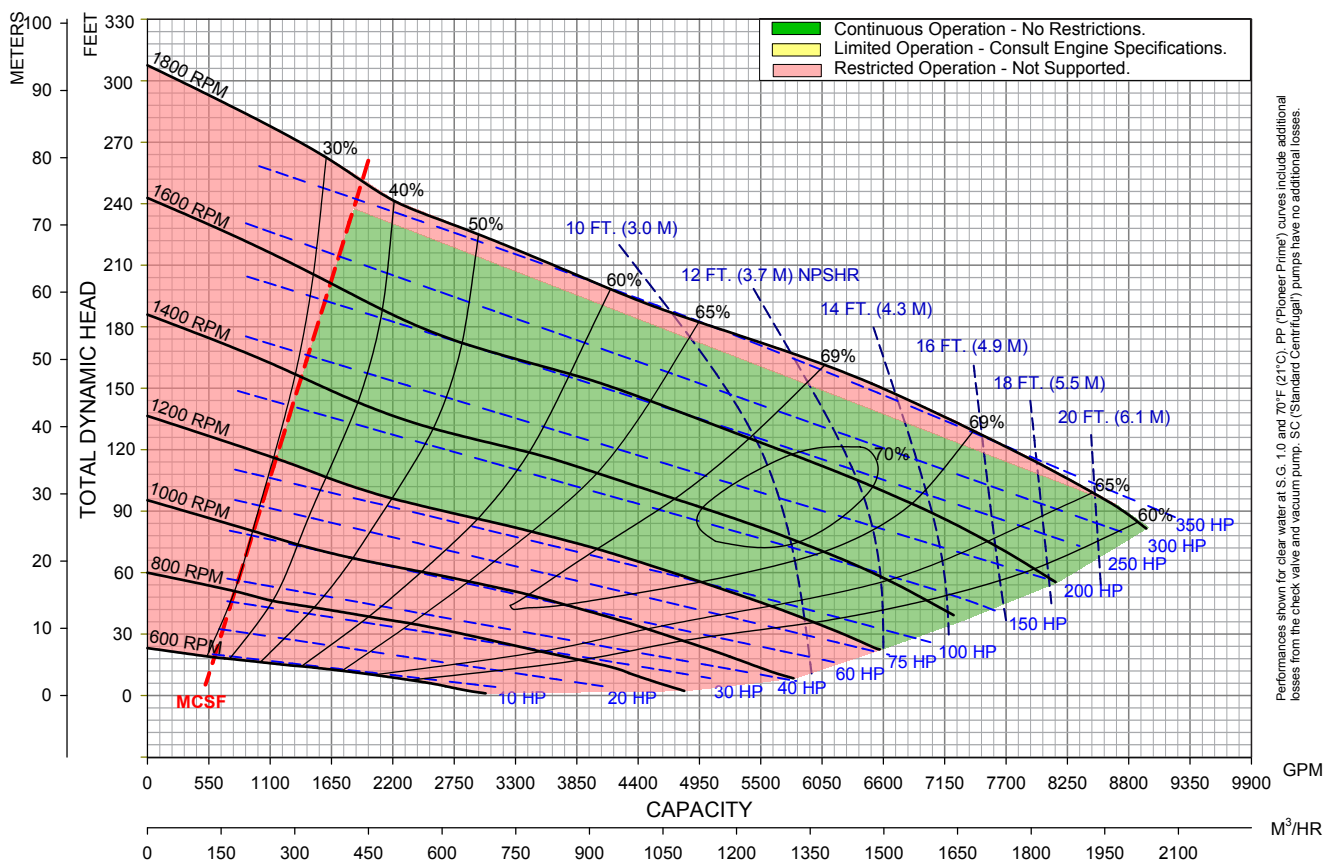
### MATERIALS OF CONSTRUCTION

Material	Standard Construction
Impeller	CA6NM Stainless Steel
Shaft	17-4 PH Stainless Steel
Wear Ring	ASTM A48 Class 40 Gray Iron
Suction Cover	Ductile Iron ASTM A536 65-45-12
Volute	Ductile Iron ASTM A536 65-45-12
Brac-Plate/Bracket	Ductile Iron ASTM A536 65-45-12
Mechanical Seal	Silicon Carbide rotating and Tungsten Carbide stationary

## MECHANICAL DIMENSIONS



## PERFORMANCE CURVE



Performances shown for clear water at S.G. 1.0 and 70°F (21°C). PP (Pioneer Prime®) curves include additional losses from the check valve and vacuum pump. SC (Standard Centrifugal) pumps have no additional losses.