



# P6 Series High Flow Transfer Pump Skids Data Sheet

## Model Numbers:

**P6-120-DA-SK (MWP 1,636 psig)**  
**P6-150-DA-SK (MWP 1,500 psig)**

The P6 series skids are heavy duty fluid transfer pumps. The P6 are air driven transfer pumps which makes them suitable for use in any hazardous environment, they are Zone 1 rated for offshore use. Due to the size and flow rate of these pumps they can not be operated from service air lines and would require direct air feed from a compressor source to achieve the 600/800 scfm air consumption required to have them operate at optimum levels. It is highly advisable to have the air feed passed through filter or lubricator to remove any foreign matter or water in the air which may reduce pump performance. The skid is fitted with an electronic stroke totalizer allowing total flow to be measured. The P6 is ideal for transfer or pumping of hydrocarbons or transfer of high volumes of fluids.

All P6 series skids are CE marked, ATEX compliant (94/9/EC) h II 2 Gc T5x & NACE compliant as standard and suitable for H2S fluid service.

Skid Overview Standard Sale/Rental Build Unit:	
<b>Frame Construction</b>	DNV-271, 316 stainless steel, (60x60x5) box section. c/w forklift pockets & drip tray. 4 lifting pad eyes c/w slings and shackles.
<b>Pump Selection</b>	P6-500-120D or P6-600-150D MWP 1636/1500 psig
<b>Air Drive</b>	2" NPT female bulkhead, SMC 2" FRL (filter/regulator/lubricator), 2" ball valve (start/stop/throttle), 63mm air pressure gauge. Electronic ATEX rated stroke counter.
<b>Fluid Inlet</b>	3" class 600# RF flange, 3" schd 80 carbon steel pipe.
<b>Fluid Discharge</b>	3" class 600# RF flange, 3" schd 80 carbon steel pipe, Stewart 100mm filled stainless steel mounted pressure gauge.
<b>Total Net Weight</b>	835/880Kg
<b>Maximum Noise Level</b>	95 db

Skid Connection Sizes:	
<b>Air Inlet</b>	2"NPT (F) Bulkhead
<b>Fluid Inlet</b>	3" 600# RF Flange
<b>Fluid Discharge</b>	3" 600# RF Flange

Pump Performance:		
<b>Max Pump Air Supply</b>	100 psig	
<b>Max Pilot Air Supply</b>	100 psig	
<b>Max Air Consumption</b>	600/800 scfm	
<b>Air Quality Required</b>	Cooled & dry plant air	
<b>Pump Ratio</b>	120mm: 16.3 - 1	150mm: 15 - 1
<b>Max Discharge Pressure Static</b>	120mm: 1,636 psig	150mm: 1,500 psig
<b>Discharge Volume per Stroke</b>	120mm: 2,450cc	150mm: 3,760cc
<b>Max Discharge Flow @ 0 psig</b>	120mm: 403 ltr/m	150mm: 508 ltr/min

### General Arrangement Drawing:

