Pioneer PP64C21 - 6 x 4-inch High-Head Diesel Pump Skid

The Pioneer PP64C21 in PremiAir's documented diesel skid configuration is a high-head clear-liquid pump with published maximum flow of 83 litres per second and maximum head of 230 metres. The supplier also lists an operating point of 80 litres per second at 180 metres head. The PP64C21 pump family has six-inch suction and four-inch discharge connections.

PremiAir exact PP64C21 diesel skid package flow, head and duty-point record
Pioneer PP64C21 pump-family dimensions, materials and solids passage
Pioneer original PP64C21 variable-speed family curve
Pioneer original pump owner manual

Manufacturer	Pioneer Pump
Model	PP64C21 - PremiAir diesel skid configuration
Pump model	PP64C21
Documented package	PremiAir diesel skid configuration
Drive / mounting	Diesel / skid mount, supplier package record
Suction / discharge	6 x 4 in / 150 x 100 mm, factory PP64C21 family
Supplier maximum package flow	83 L/s, approximately 1,316 US GPM
Supplier maximum package head	230 m, approximately 755 ft
Equivalent water pressure at maximum head	Approximately 327 PSI at water specific gravity 1; head conversion, not a casing MAWP
Supplier published duty point	80 L/s at 180 m head, approximately 1,268 US GPM at 591 ft
Rating basis	Maximum flow and maximum head are separate limits; published duty point is a distinct operating condition
Pump-family solids limit	20 mm / 0.88 in, factory PP64C21 family; clear-liquid duty
Priming	Vacuum-assisted dry priming, Pioneer Prime pump family
Engine and controls	Select configuration-specific instructions for the supplied diesel engine and control system
Pump casing	Ductile iron ASTM A536 65-45-12, standard factory family construction
Impeller	CA6NM stainless steel, standard factory family construction
Shaft	17-4 PH stainless steel, factory family construction
Operating documentation	Original Pioneer Prime / Standard Centrifugal owner manual; engine and package instructions are separate