Atlas Copco PAX F44 KD-S / 49 HP FT4

Atlas Copco PAX F44 KD-S - 4-in Enclosed Chopper Pump

Source: Manufacturer product page

Selected enclosed package

Model	**PAX F44 KD-S**
Factory item	**8972824273**
Engine	**Kohler KDI 1903TCR**
Engine power rating	**49 hp**
Engine type	**3-cylinder turbo common-rail diesel**
Emissions reference	**EPA Tier 4 Final; factory PAX technical sheet**
Enclosure	**Sound-attenuated KD-S canopy**
Mounting	**Pintle-hitch trailer; selected supplier reference**
Control panel	**PW1000**
Fuel tank	**90 US gal; factory PAX-family reference**

PAX hydraulic reference

Suction / discharge	**4 in / 4 in; ANSI Class 150 flanges**
Maximum flow	**950 US gal/min; factory PAX F44 hydraulic reference**
Maximum head	**120 ft; separate maximum**
Solids passage	**3 in**
Impeller	**Semi-open, two vane**
Impeller diameter	**9.5 in**
Maximum operating speed	**1,900 rpm**
Test-liquid basis	**Clean water; specific gravity 1.0**

PAX hydraulic reference

Curve qualification	**Factory test curves exclude priming-system and check-valve losses**

Pump construction and priming

Casing	**ASTM A536 SG iron**
Impeller	**ASTM A351 stainless steel**
Cutting claw	**316 stainless steel; ASTM A351**
Wear ring / plate	**ASTM A351 stainless steel**
Shaft	**ASTM A276 stainless steel**
Seal faces	**Silicon carbide / silicon carbide**
Elastomers	**Viton**
Check valve	**Ductile iron with NBR rubber flap**
Separator	**Steel**
Vacuum pump	**Belt-driven diaphragm type**
Nominal air capacity	**50 cfm**
Maximum vacuum	**23.6 inHg**

Operation

Control modes	**Manual or automatic start / stop with floats or transducers**
Starting	**Electric; factory engine system reference 12 V**
Documentation scope	**KD-S identity verified in factory equipment record; hydraulic and construction reference from PAX F44 family sheet**