

PAC H43C KD 74HP FT4

Diesel - Qmax 660 USgpm - Hmax 302 ft



Indicative picture of the product

PAC Head series

The pump system consists of a centrifugal pump and a separator, which enables air to be separated from the liquid and be sucked by a vacuum pump - making automatic priming possible. Even with suction heights of several feet the machine rapidly evacuates the air from the suction pipe and starts to pump. Additionally, thanks to the semi-open impeller, the PAC range is also suitable for pumping liquids with solids in suspension with best possible efficiency.

Applications

The PAC H43C Atlas Copco pump is designed to withstand toughest applications and delivers best in class pumping efficiency. One of the most common area of utilization is the mining and Oil & Gas segment where reliability, efficiency and versatility is the key to provide a customized solution. Other suitable applications within Construction and General dewatering, Municipal as well as General Industry are ideal for the PAC H43C pump. Atlas Copco pumps are packed with features that not only meet, but exceed the needs of our customers.

Benefits

Efficiency

The 12" impeller with 62% efficiency at B.E.P. provides best pumping result with minimal efforts

Solids handling

Semi-open impeller type with solids handling capability of 3/4" for trouble free operation

Easy maintenance

Hinged cover for direct access to the impeller and pump volute

Polyethylene Fuel tank

Corrosion-free PE tank provides longer lifetime and avoids tank cleaning due to oxidation

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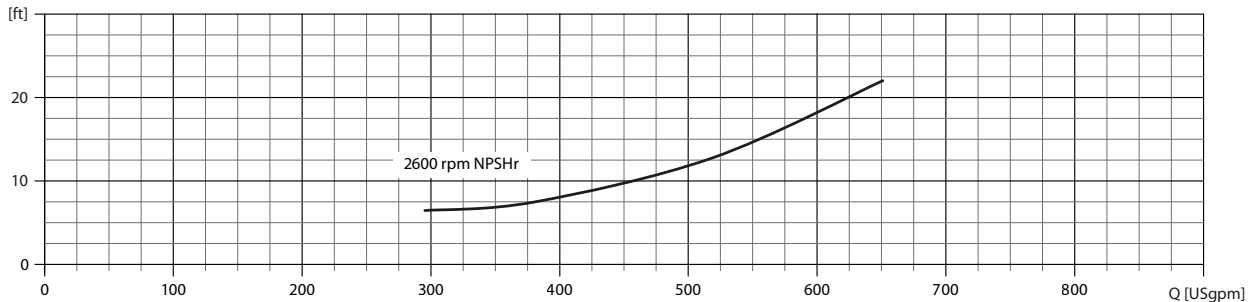
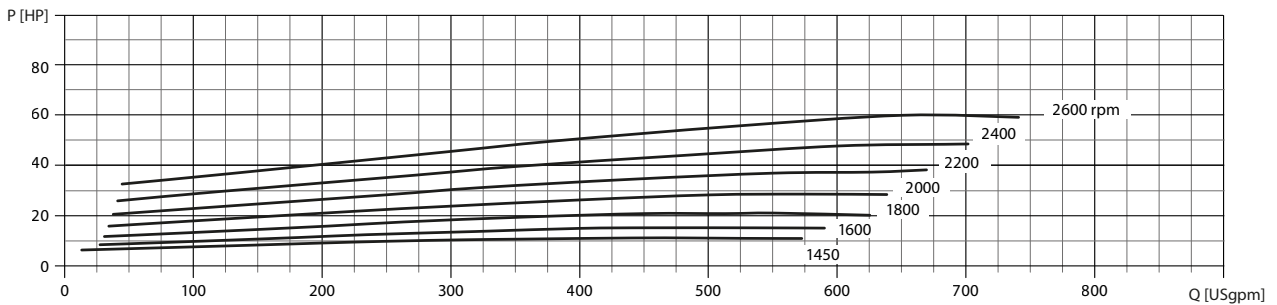
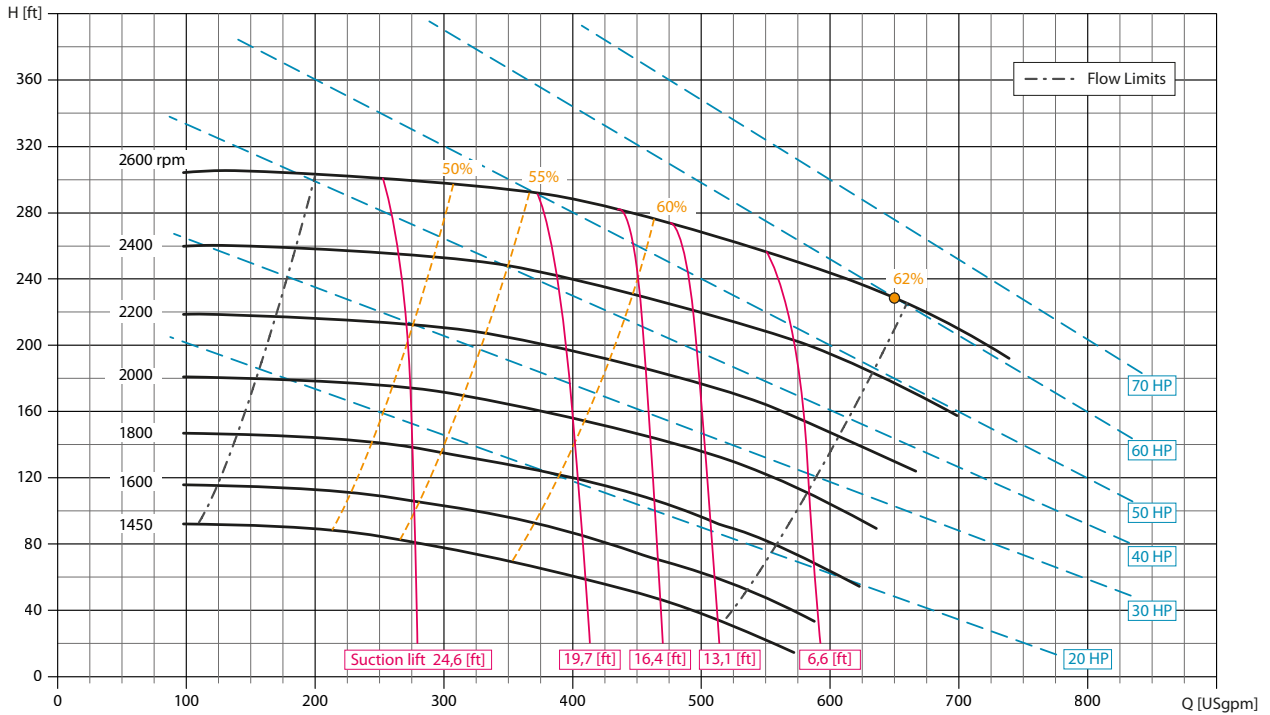
Performance curves

Test according to UNI EN ISO 9906 standard - level 2

Test liquid: clean water, density 62.43 lb/ft³ (8.345 lb/gal)

Losses from priming system and check valve not included

Speed	Impeller Dia.	Style	Solids Dia.	Ns	Suction	Discharge	No. Vanes
Various	12" / 305 mm	Semi-open	3/4" / 20 mm	2600 rpm	4" / 100 mm	3" / 76 mm	4



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Technical data

Pump

Model	PAC H43C
Qmax	660 USgpm
Hmax	302 ft
Q max eff.	570 USgpm
Eff. max	62 %
Suction port	4" Flange - ANSI class 150
Delivery port	3" Flange - ANSI class 150
Impeller type	Semi-open, 4 vane
Impeller diameter	12"
Solids handling	3/4"
Material	
Casing	ASTM A536 80-55-06 ductile iron
Impeller	ASTM A536 80-55-06 ductile iron
Wear plate	ASTM A48 Class 20 grey iron
Shaft	SAF 2205 stainless steel
Mechanical Seal faces	Silicon carbide Vs Silicon carbide
Flushing	Yes
Elastomers	VITON
Lubrication	Oil
Check Valve	ASTM A536 ductile iron + NBR rubber flap
Separator	Aluminium alloy

Priming system

Vacuum pump	
Vacuum pump type	Diaphragm
Nominal air capacity	29.4 cfm
Max vacuum	- 26.6 inHg
Drives	Link belt

Engine

Make	Kohler
Model	KDI 2504TCR
Type	Diesel turbo common rail
Displacement	151 in ³
No. cylinders	4
Cooling	Liquid with radiator
Rpm type	Variable
Max operating speed	2600 rpm
US emissions	EPA Tier 4F
Starting	Electric
Engine system voltage	12 V
Engine power rating	74 HP

Control panel

Model	PW 1000
	Manual operation
	Automatic operation: start-stop with transducers or floats
	FleetLink Optional

Arrangement

Technical data	
Material	ASTM A36 steel
Coatings	Epoxy powder, average thickness of 3 MIL
Features	Lifting beam. Fork lift pockets. Pump access through hinged door. Protected PE fuel tank.
Battery	Acid charge Pb-Ca maintenance free, 12V - 1100 CCA
Fuel tank capacity	60 USG
Fuel consumption	3.7 US Gal/hr @2,600 rpm @62% eff.
Dry weight	3,215 lbs
Wet weight	3,665 lbs

Dimensional drawing

