ADE
Helicoidal Pump



ADE Helicoidal Pump

AlphaDynamic
PUMPS

We Make The Difference

Line Introduction

The **ADE centrifugal pump with helicoidal impeller** is the best solution for the **transfer of liquids with solid particles or medium viscosity products** that cannot be pumped with an ordinary centrifugal pump.

Due to the helicoidal shape of the impeller, the transfer of the product is gentle and without clogging e.g. solid particles suspended in water (proportion: 40% to 60%). It is ideal for applications of the transfer of pieces of fruit or whole fruits, olives, mushrooms, slices of orange, vegetables, fish, etc.

ADE pumps are used also in wineries for the pump-over process where the high capacity and minimum destruction of the solid parts (seeds, skins, etc.) is required.

The design of the pump contributes to a better extraction of tannin, the coloring matter of wine, in the phase of vilification, reducing the lees formation and, as a result, achieving high quality wines.

Features

- Close-coupled design
- Helicoidal impeller
- Pump casing with drain port
- Pump casing with volute
- High efficiency (>70%), low power consumption
- Motor: IEC B35, 1500 rpm, IE3
- Connections: DIN 11851, Flange PN16
- Maximum particle size: 75mm



Materials

- Materials Parts in contact with the product AISI 316L
- Lantern: AISI 316L
- Other Stainless Steel parts: AISI 304
- Gaskets: EPDM
- Mechanical seal: SIC/SIC/EPDM
- Internal surface finish bright polish
- External surface finish matte

Technical specifications

- Max. flow 180m^3/h
- Max. differential head 22 mcl
- Max. pressure 10 bar
- Max. temperature -10°C to +120°C



Options

- CE control panel with 10 m cable and plug
- Motor with a frequency converter
- Stainless steel trolley

Main application sectors









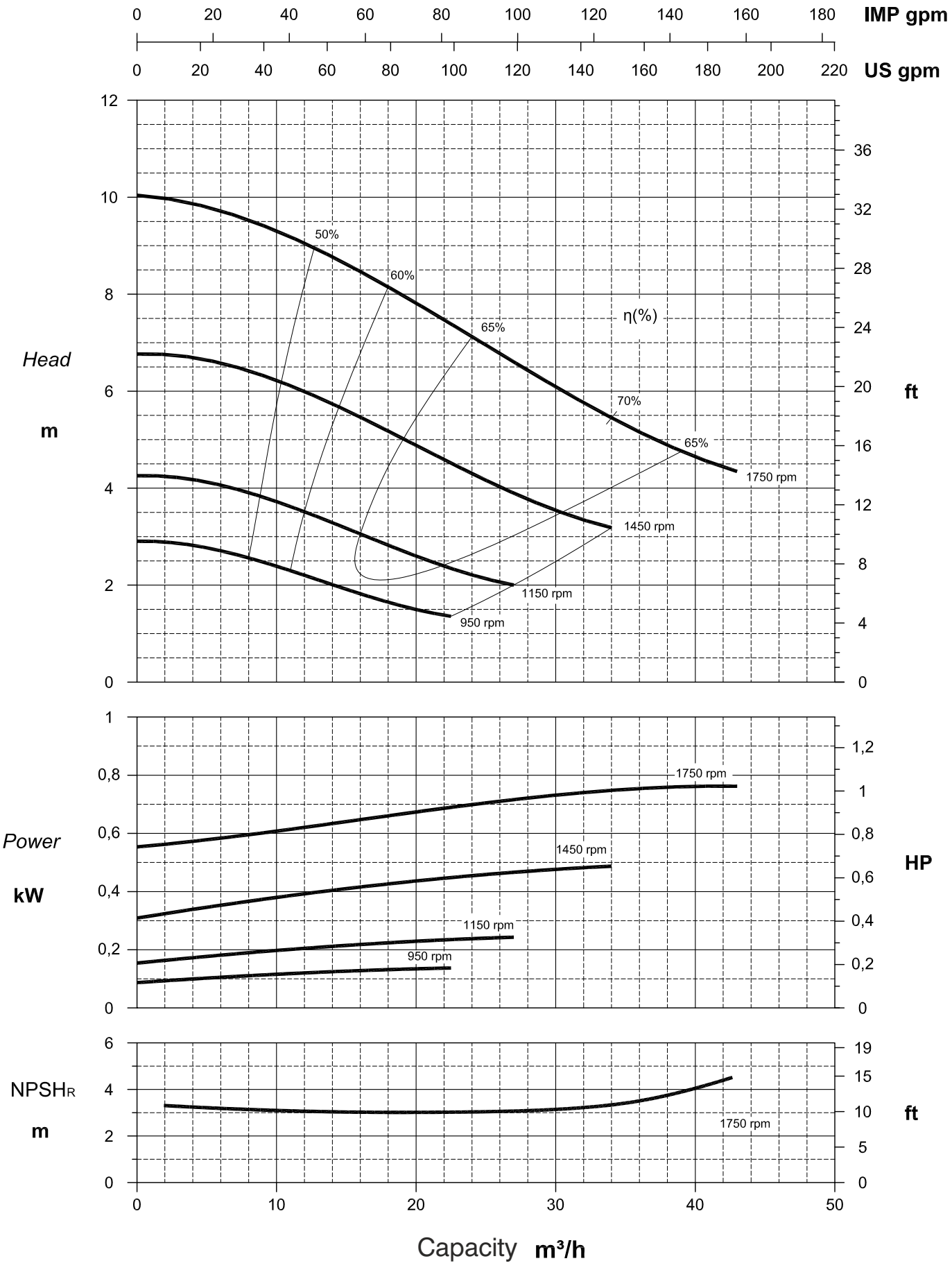
Food and beverage

For gentle handling and transfer of fruits pieces, olives, mushrooms, slice of oranges, wine and olive oil

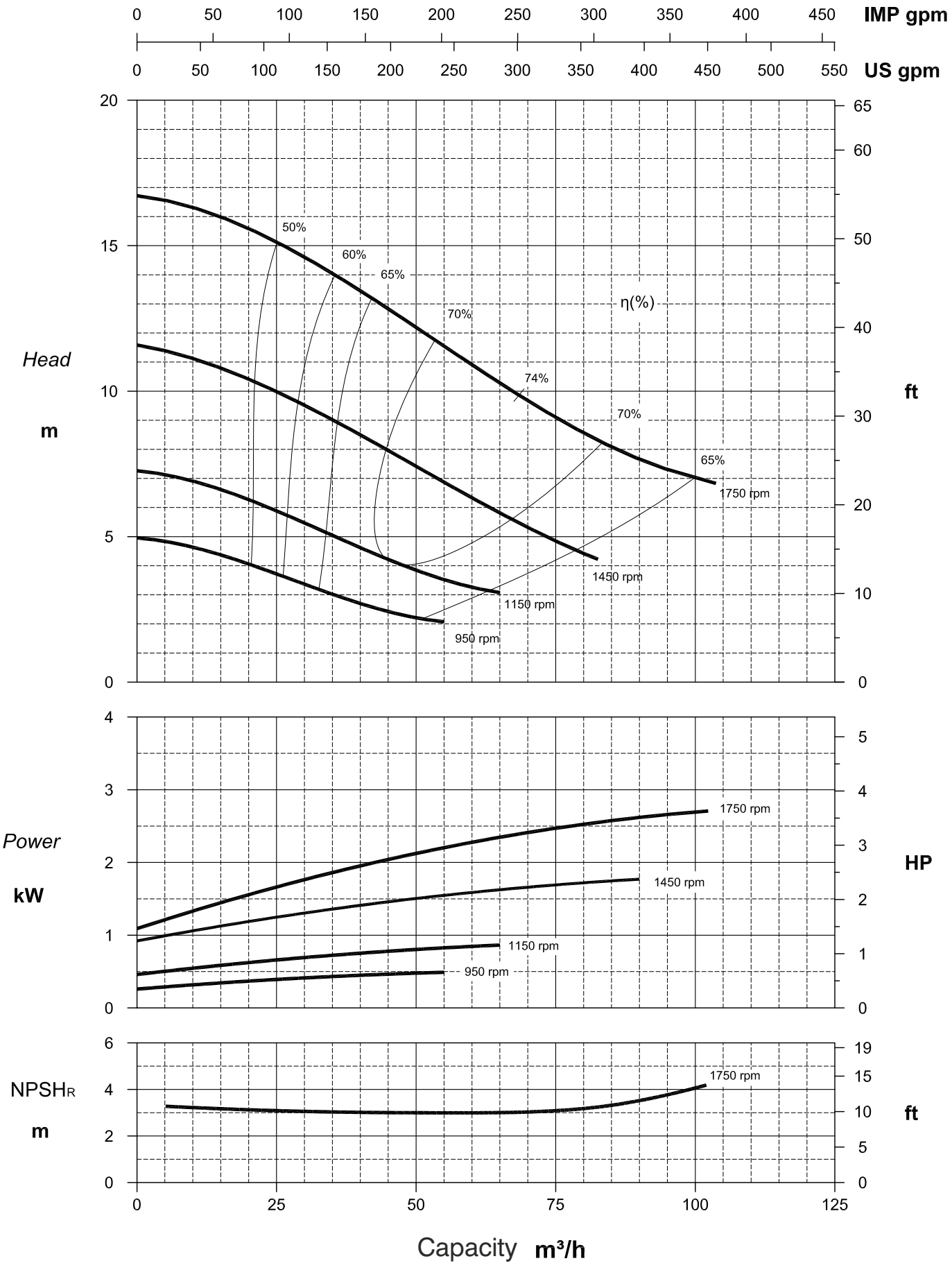




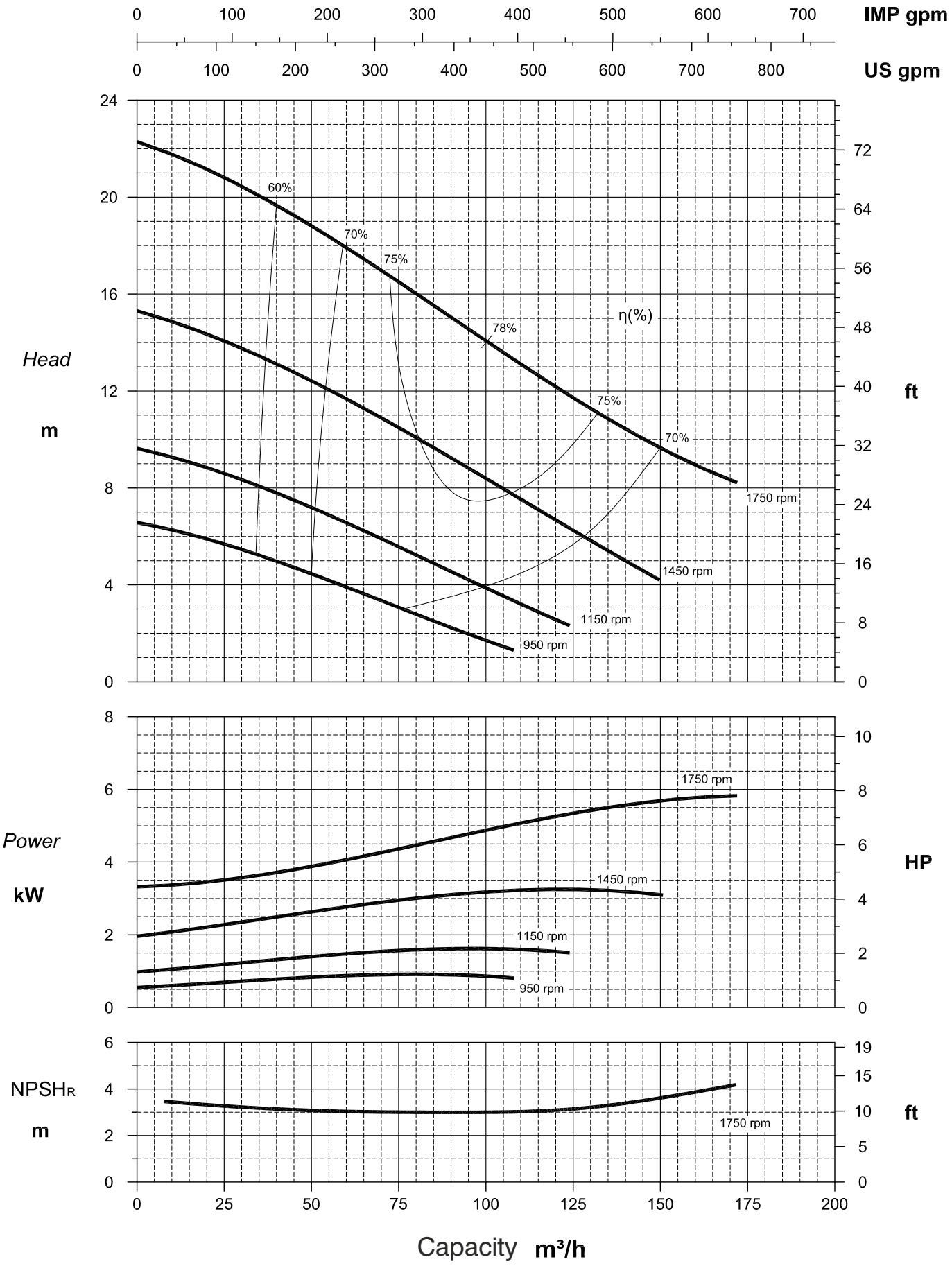
Performance Curves ADE 15



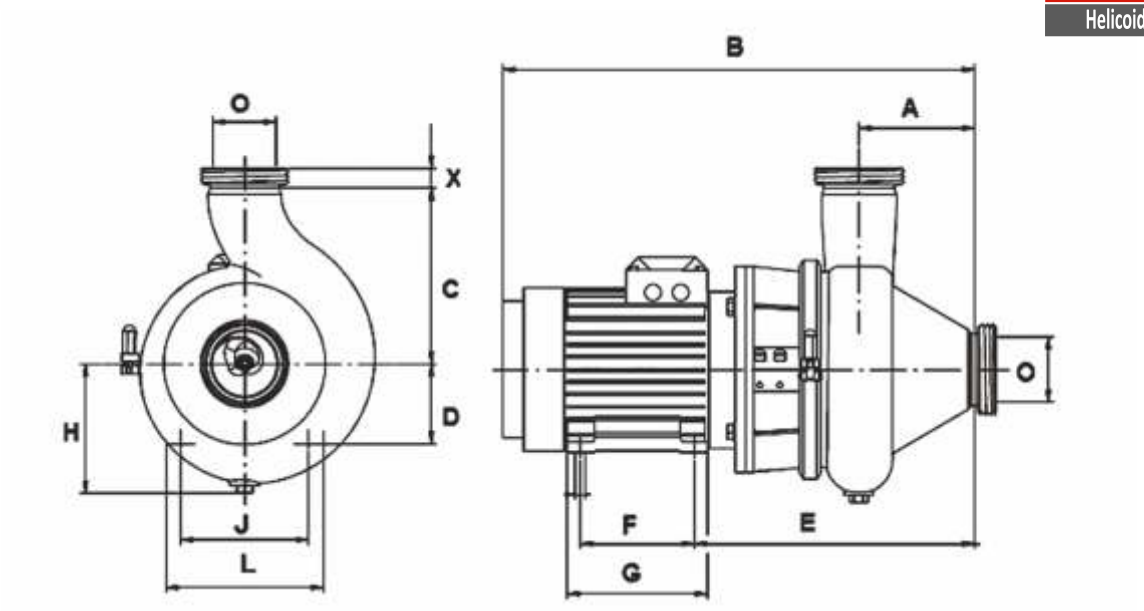
Performance Curves ADE 40



Performance Curves ADE 55 / ADE 75 / ADE 100

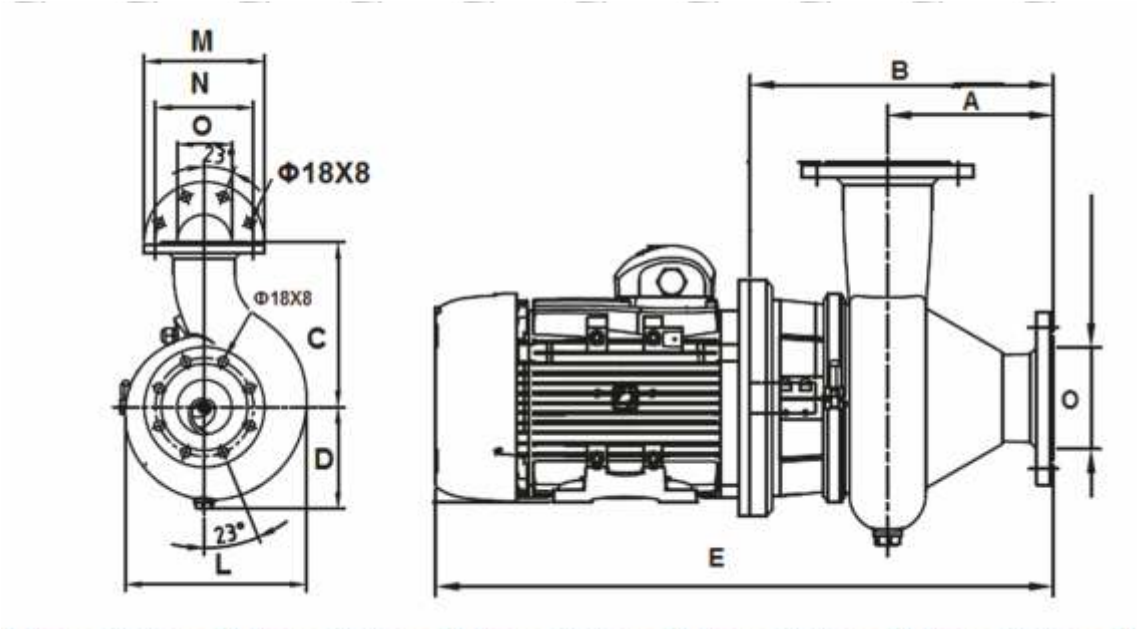


Dimensions ADE 15 / ADE 40



Pump Model	Motor Power HP	A	B	C	D	E	F	G	H	I	J	L	O	Pump solids
ADE 15	1.5	95	463	190	80	258	100	125	130	10	125	160	DN 65 DIN 11851	45 mm
ADE 40	4	142	606	220	100	344	140	172	163	12	160	197	DN 80 DIN 11851	60 mm

Dimensions ADE 55 / ADE 75 / ADE 100



Pump Model	Motor Power HP	A	B	C	D	E	L	M	N	O	Pump solids
ADE 55	5.5	210	357	301	186	697	332	220	180	DN 100 FLANGE PN 16	75 mm
ADE 75	7.5	210	357	301	186	702	332	220	180	DN 100 FLANGE PN 16	75 mm
ADE 100	10	210	385	301	186	808	332	220	180	DN 100 FLANGE PN 16	75 mm

AlphaDynamic PUMPS

We Make The Difference

Headquarters / Factory:
AlphaDynamic Pumps SA
59 Km Nat. Road Athens - Lamia
Industrial Park of Inofita Viotia
32011 - Inofita Viotia - Greece
VAT No. EL 999695309
Commercial Registry: 045001607000
Tel.: +30 215 215 9520
e-mail: sales@alphadynamic.eu

Distributor Benelux:
Quantum Engineering BV
Tel. +32(0)467-00.77.72.
sales@quantumengineering.be
www.quantumengineering.be



www.quantumengineering.be

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