

 CNP 南方泵业	Product Information	
	CHL2-30	
	Project Name	
Item NO		

Part NO.	1100047030
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Product Picture: (Note: Images may not be the same as the product)	Note
	Non-self-priming horizontal multistage centrifugal pump, impeller guide vane is made of stainless steel plate stamping and welding, with long shaft motor, axial inlet and radial outlet. Compact structure; Low noise; Suitable for mildly corrosive liquids; Small installation space.

Nameplate parameters

Flow	2 m ³ /h
Head	33 m
Efficiency	40 %
Speed	3500 rpm
Number of stages	3

Technology

Pump rotator speed	3500
Pump version	2

Material

Impeller	304
Rubber code	P
Material Code	S

Installation

Connection Code	L
Installation type	horizontal
Maximum Pressure/Temperature (high temperature)	10 bar
Maximum Pressure/Temperature (low temperature)	10 bar

Medium

Medium Temperature normal temperature	-15°C~+70°C
Medium Temperature high temperature	-15°C~+105°C
Maximum Environment Temperature	40°C

Structure dimension

Inlet Bore	G1
Outlet Diameter	G1
Rotation Direction	Clockwise
Explored view	CHL2,4exploded view

Motor

Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power(kW)	0.75KW
Power Frequency(Hz)	60HZ
Rated Voltage (V)	110V/220V
Energy Efficiency Level	IE2

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Seal

Mechanical Seal

CHL-16/B1SF4

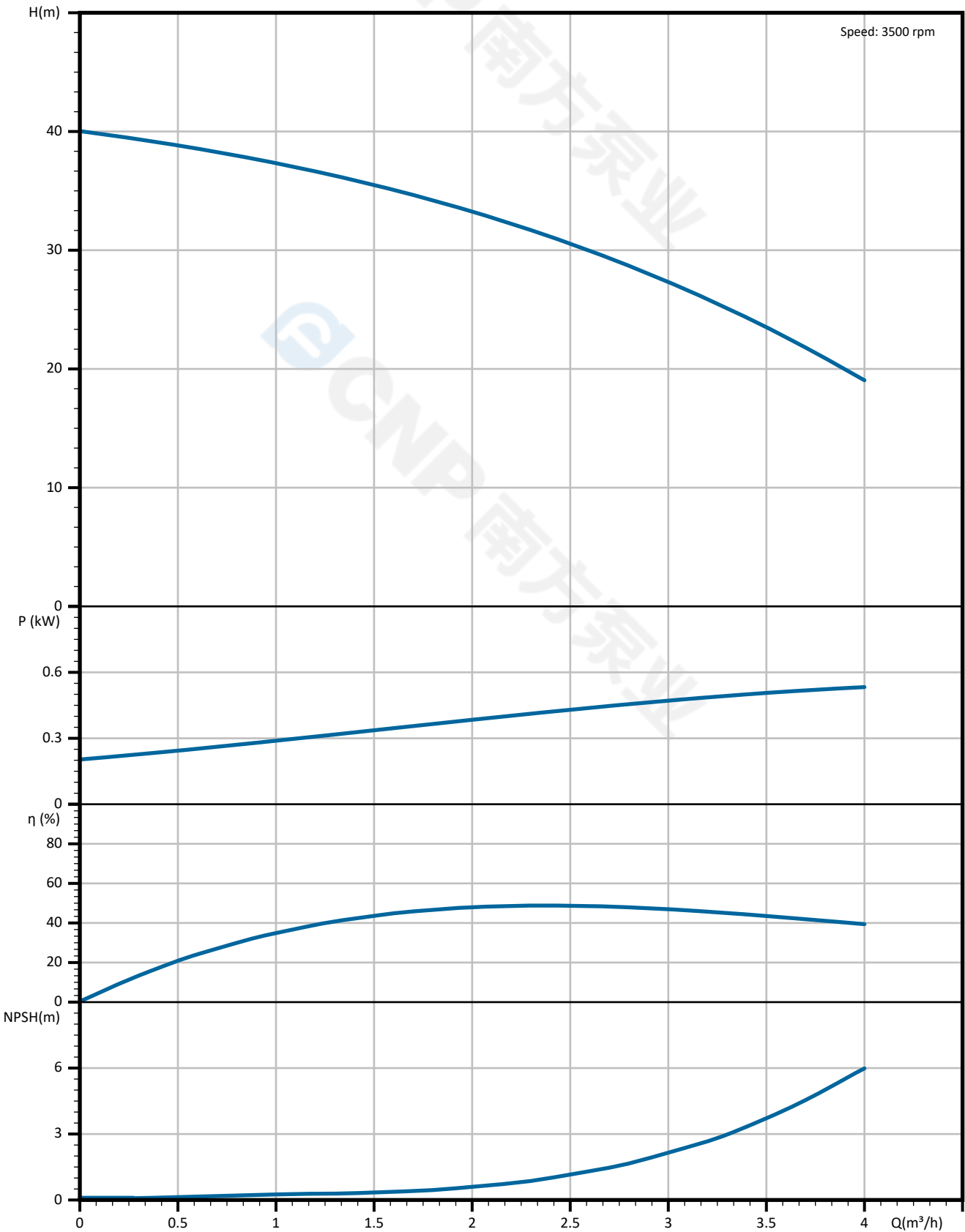
Others

Weight (kg)

13

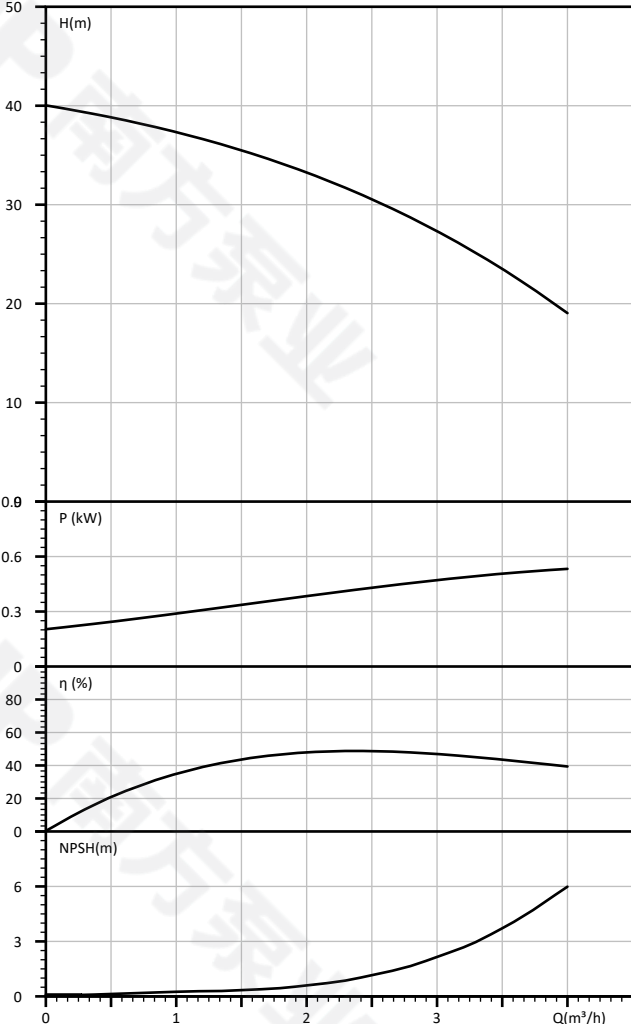
 CNP 南方泵业	Performance Curve	
	CHL2-30	
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The hydraulic performance curve have been tested with Clean Water at 20°C, density 1000kg/m³, and at 1bar atmospherical pressure. ISO99062012 Grade 3B



 CNP 南方泵业	Pump Technical Parameters	
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Rated parameters	
Pump model	CHL2-30
Part NO.	1100047030
Rated flow	2 m³/h
Rated head	33 m
Eta	40 (%)
Power (kW)	0.45 kW
NPSHr (m)	2
Speed (rpm)	3500
Max impeller diameter (mm)	90
Medium	
Pumped medium	Clean Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1

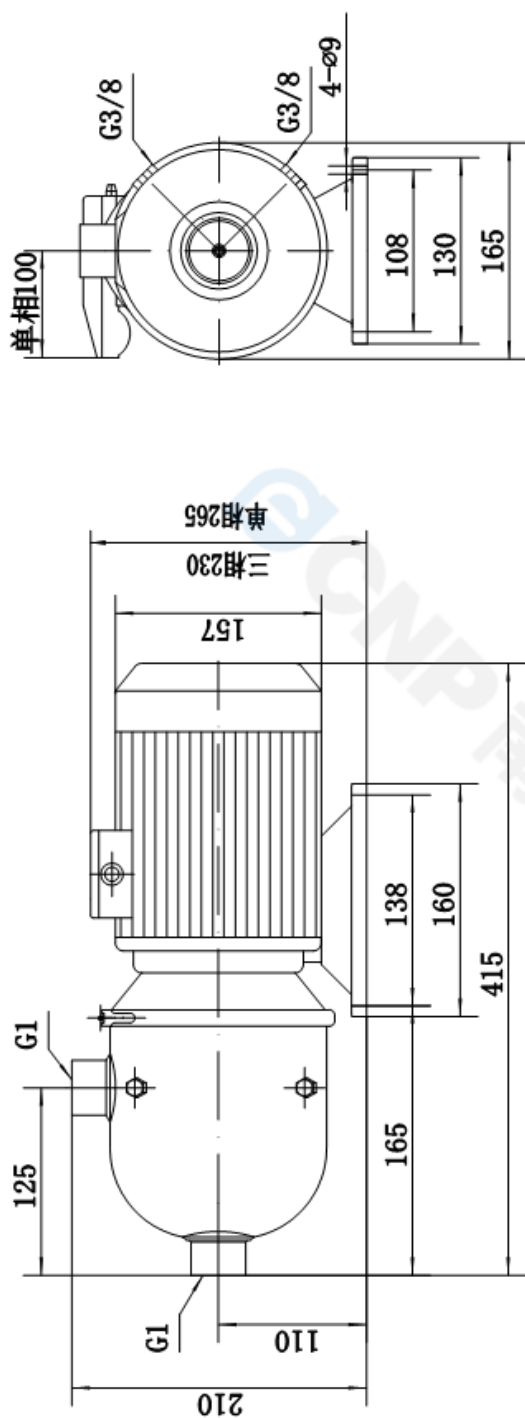


The figure displays four performance curves for the CHL2-30 pump, plotted against the flow rate (Q) in m³/h on the x-axis, ranging from 0 to 4.

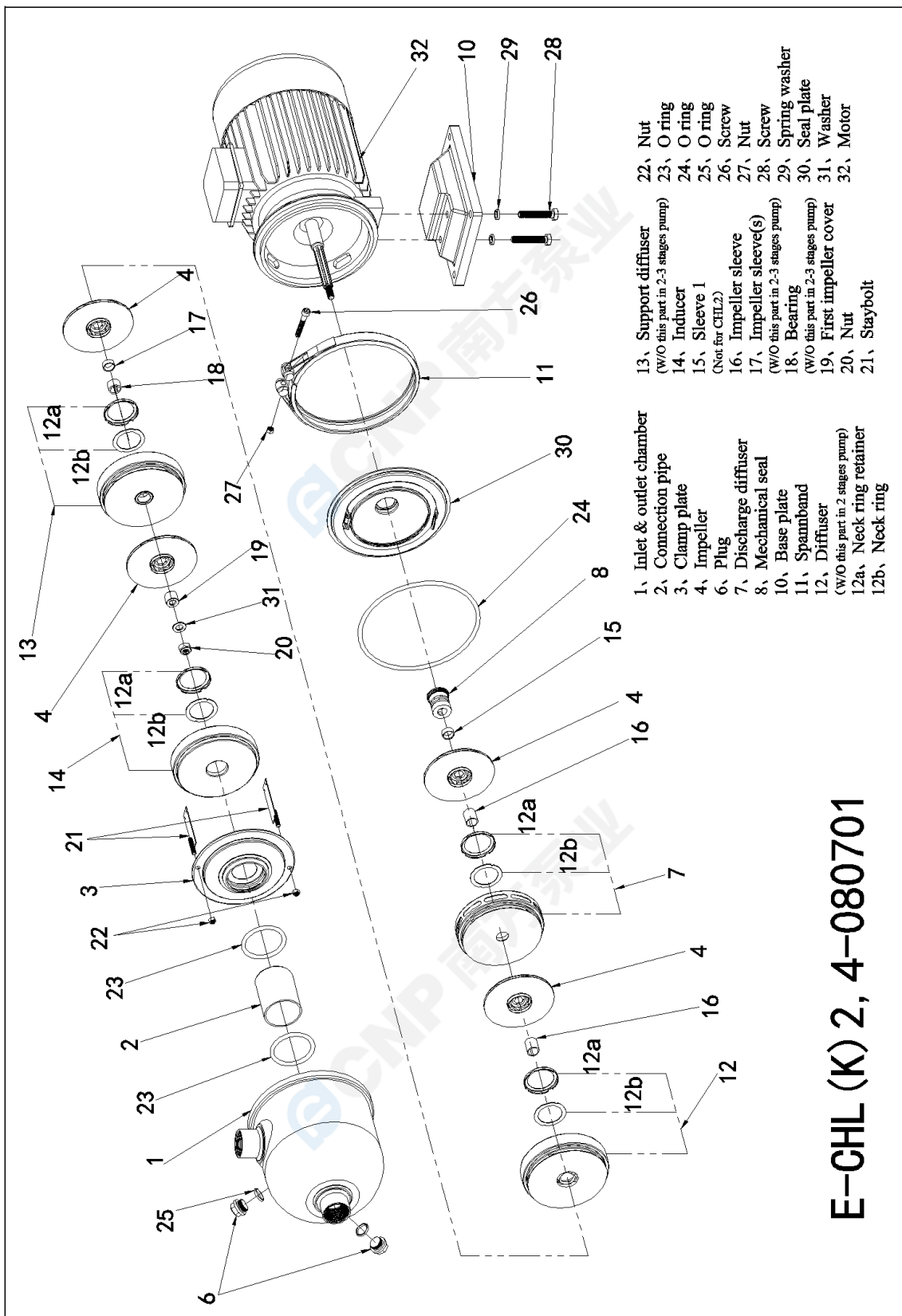
- Head (H) in meters:** The top curve shows the total head decreasing from approximately 40 m at 0 m³/h to about 19 m at 4 m³/h.
- Power (P) in kW:** The second curve shows the power consumption increasing from approximately 0.2 kW at 0 m³/h to about 0.55 kW at 4 m³/h.
- Efficiency (η) in %:** The third curve shows efficiency peaking at approximately 50% around 2.5 m³/h, with values of about 10% at 0 m³/h and 40% at 4 m³/h.
- NPSH required (NPSHr) in meters:** The bottom curve shows the required head increasing from 0 m at 0 m³/h to approximately 6 m at 4 m³/h.

Project Name

Item NO



CHL/CHLK2-30 60Hz



E-CHL (K) 2, 4-080701

 CNP 南方泵业	Physical picture CHL2-30	
Project Name		
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 CNP 南方泵业	Order Data CHL2-30	
Project Name		
Item NO		

Pump model CHL2-30
Part NO. 1100047030
Product price
Quantity 1
Total price

Inquiry notes