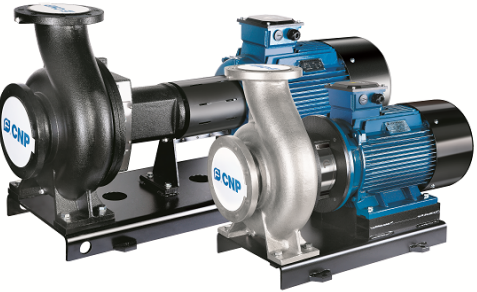


	Product Information NIS125-100-250G/75	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
		Contact	86-571-88637351
		Date	2022/03/06
Project Name		Client Name	DPA
Item NO		Client Addr.	
		Contacts	Alireza
		Contact	

Part NO.	1100054786
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Product Picture	Note
	Non-prime single stage horizontal end suction centrifugal pump, axial inlet and radial outlet, back pull out design, easy maintenance without removing pumpbody and pipe system.

technology

Pump rotator speed 2950

Material

Impeller HT200
Pump body QT500-7
Rubber code P
Material Code H

Installation

Maximum Operation Pressure 16Bar
Maximum Inlet Pressure 6Bar

Medium

Medium Temperature -15~110

Structure dimension

Inlet & outlet size types DN
Inlet Bore 125
Outlet Diameter 100
Rotation Direction Anti-clockwise rotation viewing from inlet

Motor

Number of Motor Phase Three Phase
Protection Class IP55
Insulation Class F
Motor Power 75
Power Frequency 50HZ
Rated Voltage (V) 380V
Rated Current (A) 133.7
Energy Efficiency Level IE3

Seal

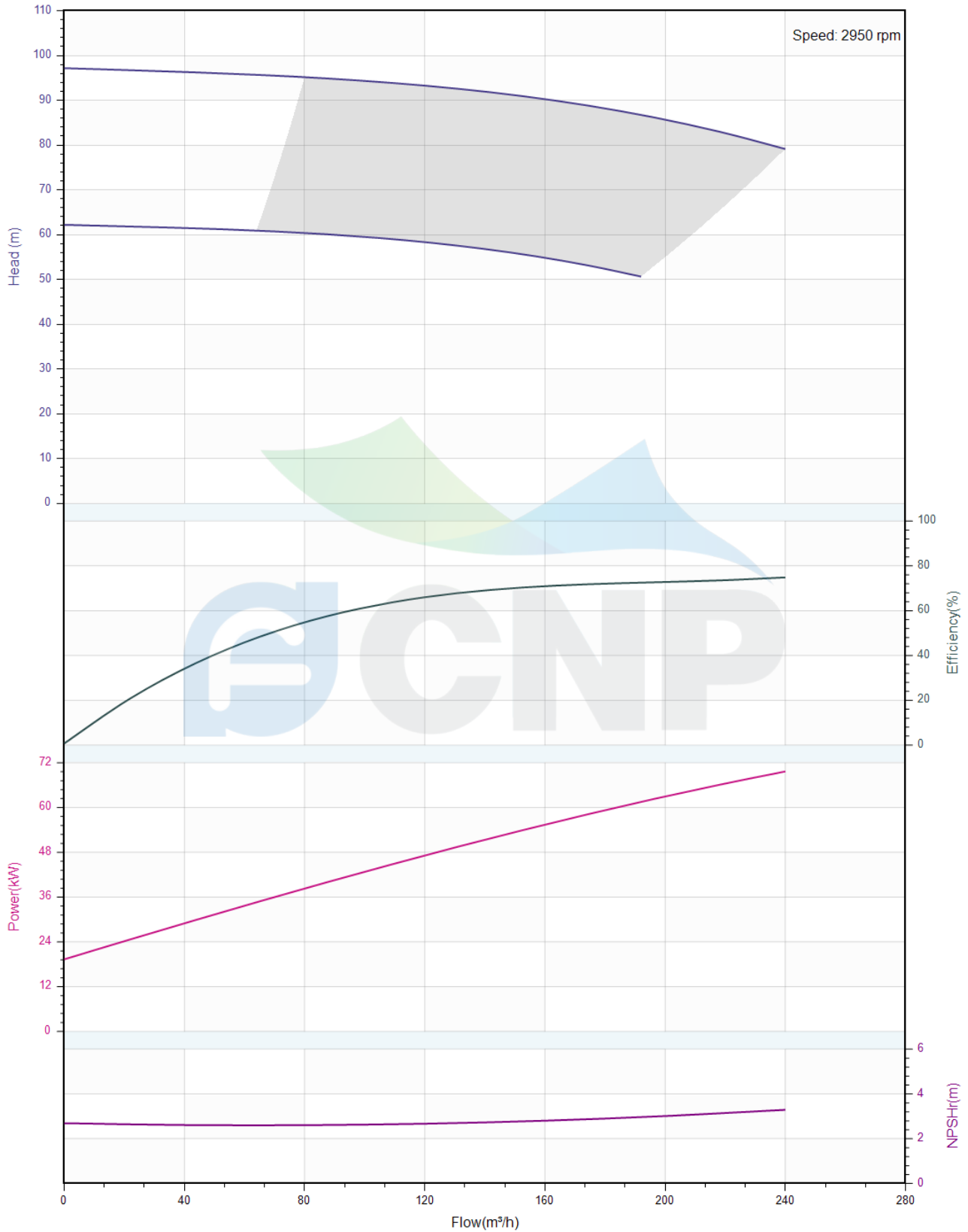
Mechanical Seal NISO-53/BSE4

Others

Weight (kg) 701

	Performance Curve NIS125-100-250G/75	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
		Contact	86-571-88637351
		Date	2022/03/06
Project Name		Client Name	DPA
Item NO		Client Addr.	
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		Contact	

The hydraulic performance curve have been tested with Clean Water at 20°C, density 1000kg/m³, and at 1bar atmospherical pressure. ISO99062012 Grade 3B



	Pump Technical Parameters NIS125-100-250G/75	Manufacturer	CNP
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Project Name		Client Name	DPA
Item NO		Client Addr.	
		Contacts	Alireza
		Contact	

Rated parameters	
Pump model	NIS125-100-250G/75
Part NO.	1100054786
Rated flow (m³/h)	200
Rated head (m)	86
Rated efficiency (%)	74
Power (kW)	63.3
NPSHr (m)	3
Speed (rpm)	2950
Max impeller diameter (mm)	252
Medium	
Pumped medium	Clean Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1

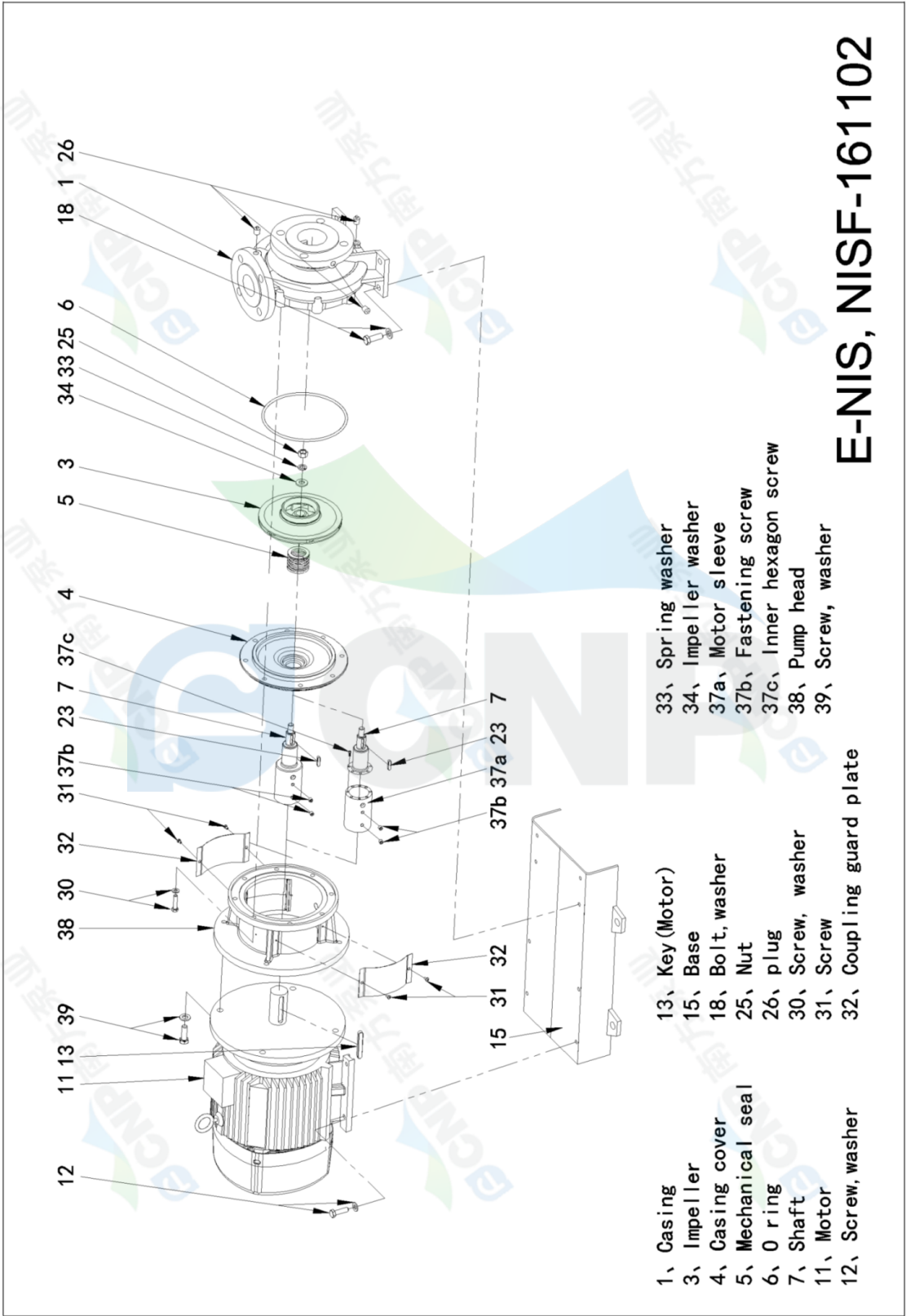
Speed: 2950 rpm

The top graph displays the head curve, which starts at approximately 98 m at 0 m³/h and decreases to about 80 m at 240 m³/h. A shaded region indicates the operating range, bounded by a vertical line at 80 m³/h and a diagonal line from (0, 62) to (240, 80). The middle graph shows the efficiency curve, which starts at 0% at 0 m³/h and rises to about 74% at 240 m³/h. The bottom graph shows the power curve (pink line) starting at 24 kW at 0 m³/h and rising to 63.3 kW at 240 m³/h, and the NPSHr curve (purple line) which remains relatively flat around 3 m across the flow range.

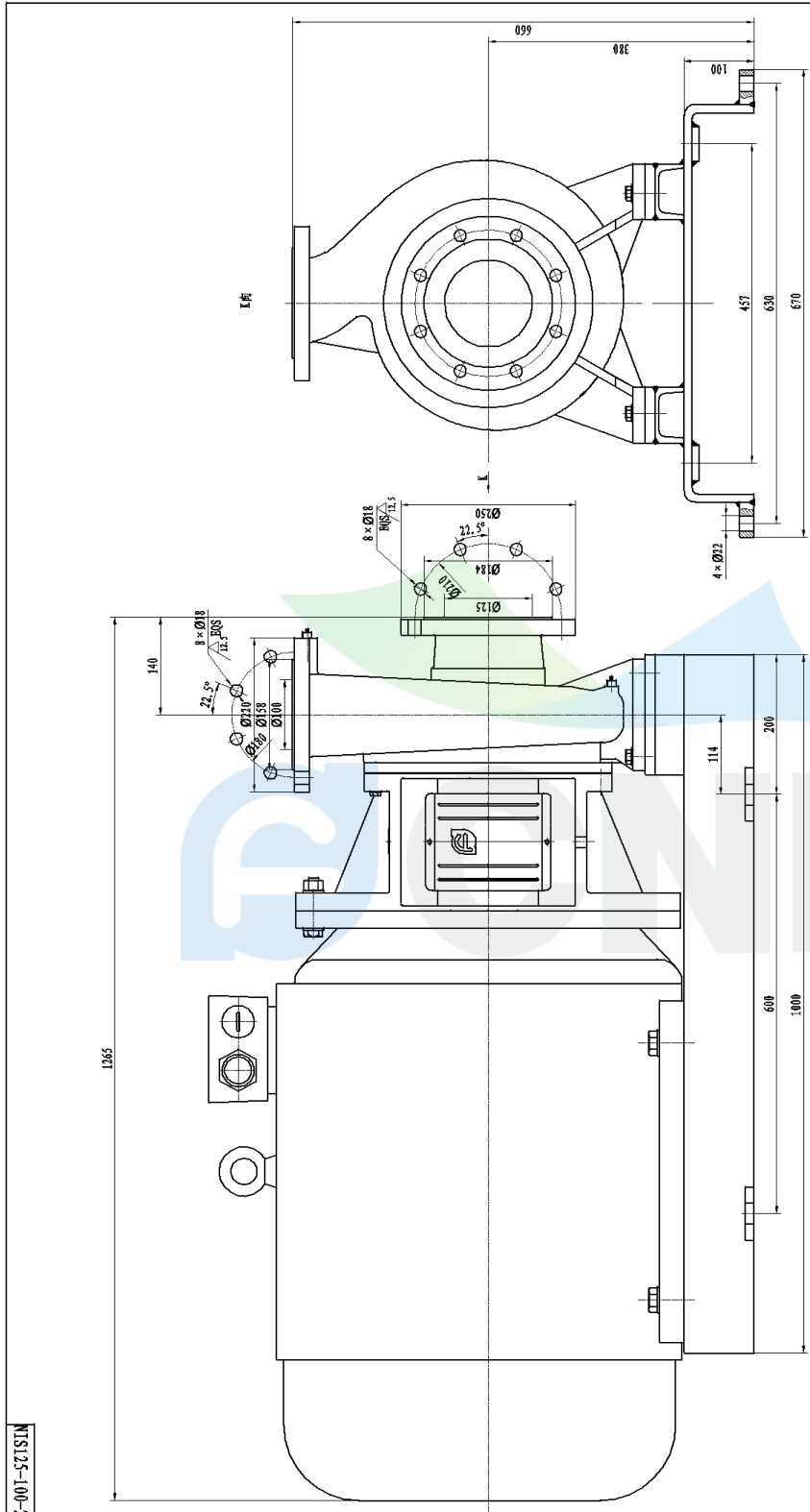
Flow (m³/h)	Head (m)	Efficiency (%)	Power (kW)	NPSHr (m)
0	98	0	24	3
40	95	10	28	3
80	90	25	34	3
120	85	45	42	3
160	80	60	50	3
200	75	70	58	3
240	80	74	63.3	3



	Structure picture NIS125-100-250G/75	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
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		Date	2022/03/06
		Client Name	DPA
Project Name		Client Addr.	
Item NO		Contacts	Alireza
		Contact	



	Dimension Drawing NIS125-100-250G/75	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
		Contact	86-571-88637351
		Date	2022/03/06
Project Name		Client Name	DPA
Item NO		Client Addr.	
		Contacts	Alireza
		Contact	



NIS125-100-250G/75

图号: NIS125-100-250G/75
 图名: 离心泵
 比例: 1:1
 日期: 2022/03/06
 设计: 王
 审核: 王
 批准: 王

CNP 南方泵业	
离心泵	
NIS125-100-250G/75	
图样名称	离心泵
图样比例	1:1
图样日期	2022/03/06
图样编号	王
图样审核	王
图样批准	王