	<b>Product Information</b> <b>NIS80-50-315/45</b>	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
Project Name		Contact	86-571-88637351
		Date	2022/03/06
Item NO		Client Name	DPA
		Client Addr.	
		Contacts	Alireza
		Contact	

Part NO.	1100054513
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Product Picture	Note
	<p>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.</p>

<b>technology</b>	
Pump rotator speed	2950
<b>Material</b>	
Impeller	HT200
Pump body	QT500-7
Rubber code	P
Material Code	H
<b>Installation</b>	
Maximum Operation Pressure	16Bar
Maximum Inlet Pressure	6Bar
<b>Medium</b>	
Medium Temperature	-15~110
<b>Structure dimension</b>	
Inlet & outlet size types	DN
Inlet Bore	80
Outlet Diameter	50
Rotation Direction	Anti-clockwise rotation viewing from inlet
<b>Motor</b>	
Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power	45
Power Frequency	50HZ
Rated Voltage (V)	380V
Rated Current (A)	82.7
Energy Efficiency Level	IE3
<b>Seal</b>	
Mechanical Seal	NISO-43/BSE4
<b>Others</b>	
Weight (kg)	434

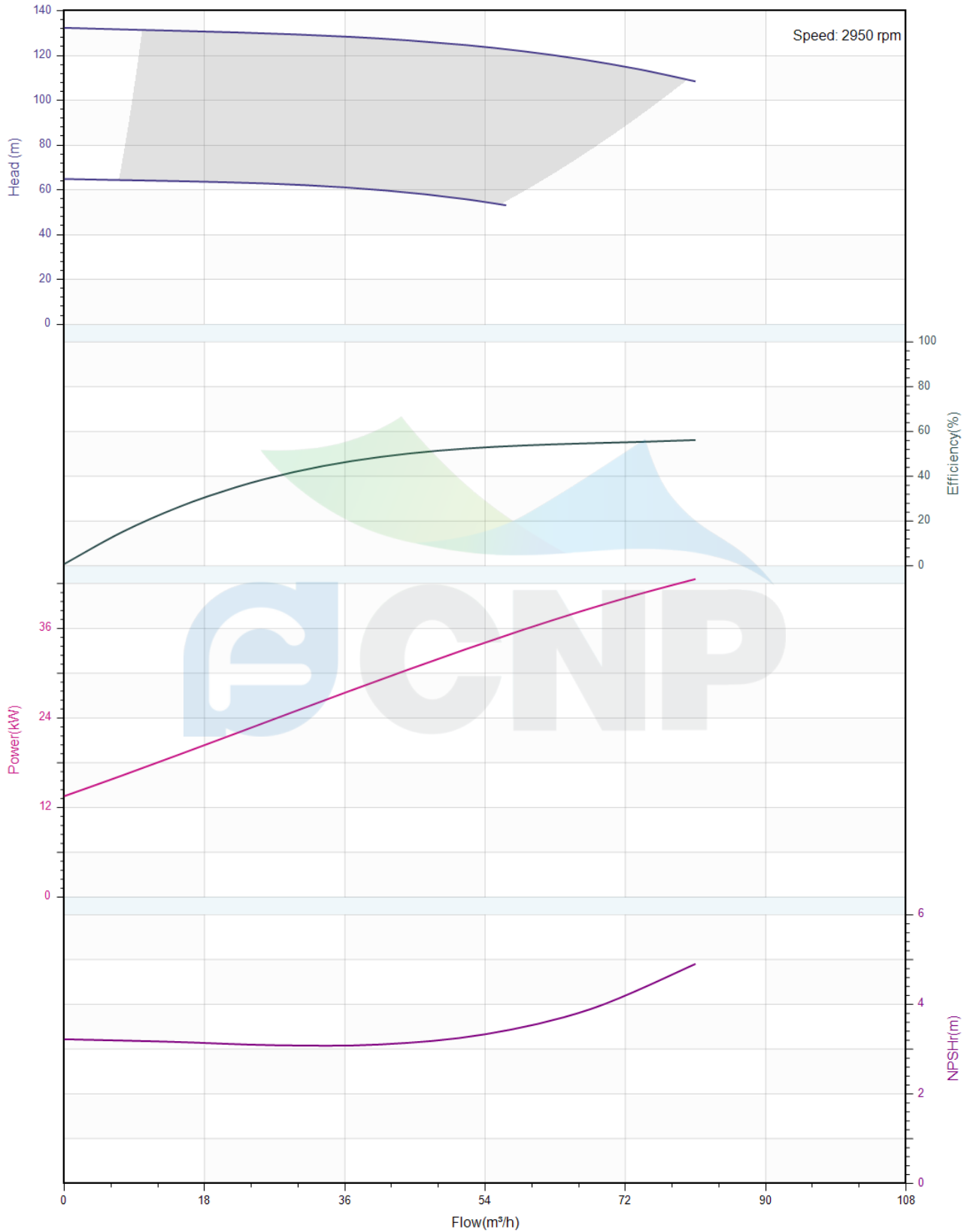


# Performance Curve NIS80-50-315/45

Manufacturer	CNP
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The hydraulic performance curve have been tested with Clean Water at 20°C, density 1000kg/m<sup>3</sup>, and at 1bar atmospheric pressure. ISO99062012 Grade 3B





## Pump Technical Parameters NIS80-50-315/45

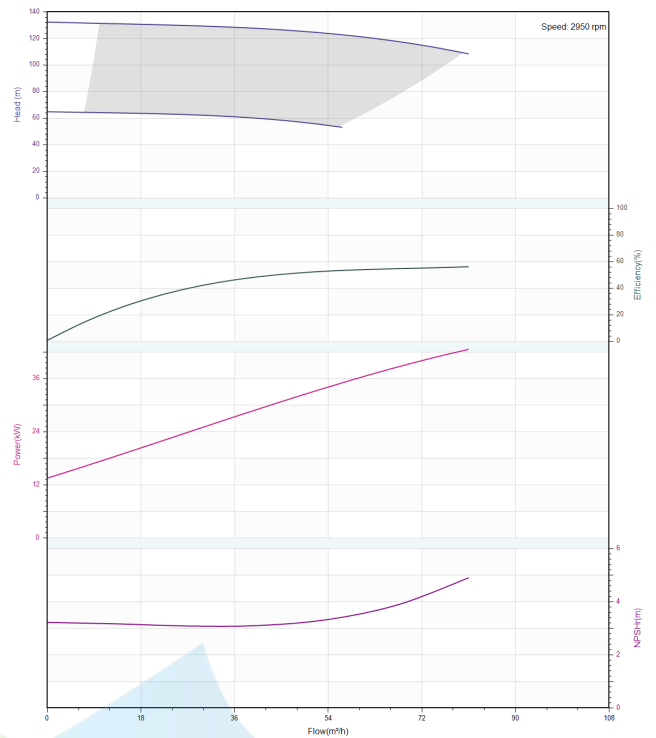
Manufacturer	CNP
Address	Yuhang District, Hangzhou, Zhejiang,
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Date	2022/03/06
Client Name	DPA
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Contacts	Alireza
Contact	


### Rated parameters

Pump model	NIS80-50-315/45
Part NO.	1100054513
Rated flow (m <sup>3</sup> /h)	50
Rated head (m)	125
Rated efficiency (%)	52
Power (kW)	32.75
NPSHr (m)	3.5
Speed (rpm)	2950
Max impeller diameter (mm)	306

### Medium

Pumped medium	Clean Water
Working temperature (°C)	20
Medium density (kg/m <sup>3</sup> )	1000
Viscosity (mm <sup>2</sup> /s)	1



	<b>Structure picture</b> <b>NIS80-50-315/45</b>	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
Project Name		Contact	86-571-88637351
		Date	2022/03/06
Item NO		Client Name	DPA
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### Dimension Drawing NIS80-50-315/45

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Project Name

Item NO

