	Product Information CDL120-70-1	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
Project Name		Contact	86-571-88637351
		Date	2022/03/05
Item NO		Client Name	DPA
		Client Addr.	
		Contacts	Alireza
		Contact	

Part NO.	1100000831
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Product Picture	Note
	<p>Non-self-priming vertical multistage centrifugal pump, the motor shaft through the coupling shaft is coupled directly to the impeller vanes made of stainless steel plate stamping and welding or precision casting made of stainless steel, the pump inlet and outlet of the pump bottom at the same line (it can be equipped with IEC or NEMA motors).</p>

technology

Pump rotator speed	2950
Nameplate standards	CE
Pump version	2

Material

Impeller	304
Rubber code	P
Inlet&outlet chamber	304
Material Code	S

Installation

Connection Code	F
Maximum Pressure/Temperaturu	25 bar / 120
Maximum Pressure/Temperaturu	25 bar / -15
Flange Standard	DIN
Pressure Class	PN25-40
Inlet & outlet	DN125

Medium

Medium Temperature normal	-15+70
Medium Temperature high t	-15+120
Maximum Environment Temper	40

Motor

Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power	75KW
Power Frequency	50HZ
Rated Voltage (V)	380V
Rated Current (A)	134A
Energy Efficiency Level	IE3

Seal

Mechanical Seal	CDLA-32/WBF14
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Others

Weight (kg)	715
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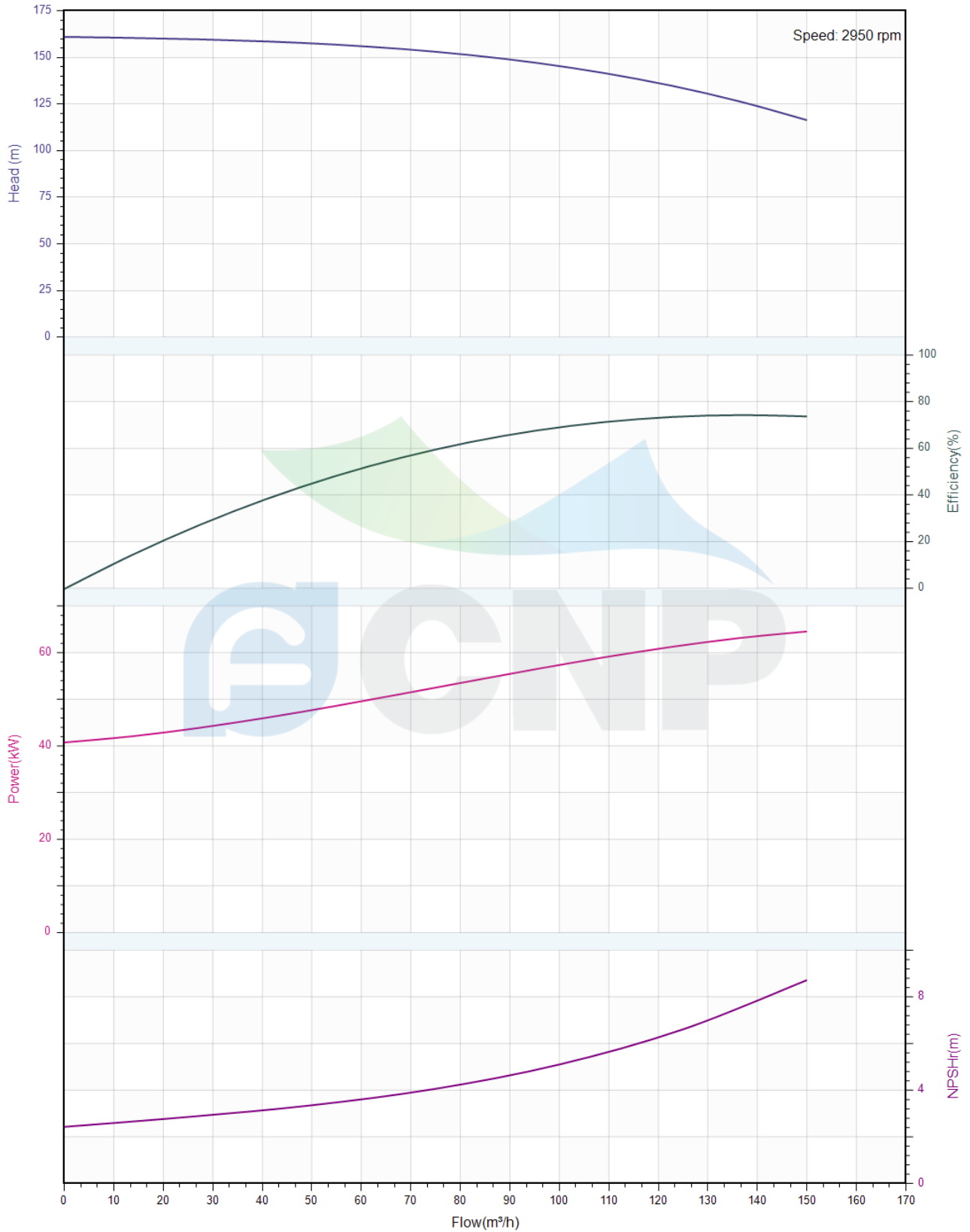


Performance Curve CDL120-70-1

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





Pump Technical Parameters CDL120-70-1

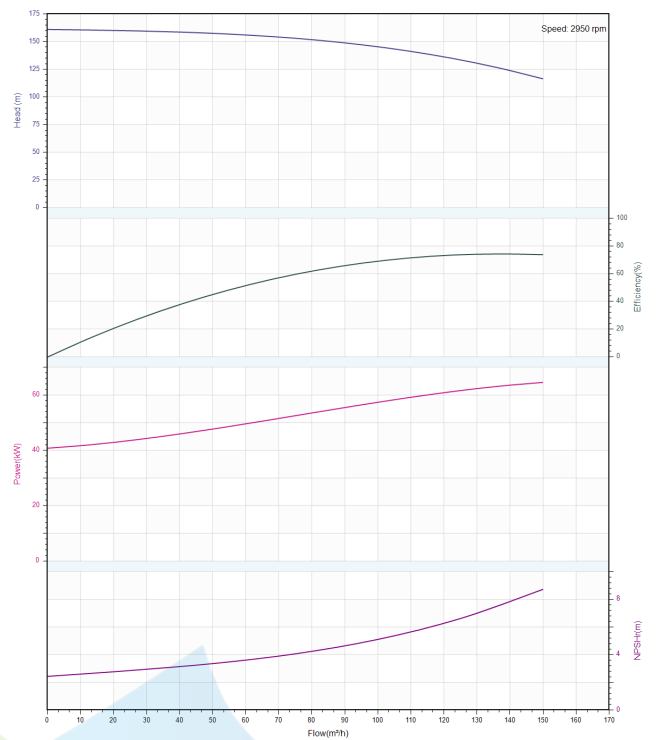
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Rated parameters

Pump model	CDL120-70-1
Part NO.	1100000831
Rated flow (m ³ /h)	120
Rated head (m)	137.5
Rated efficiency (%)	74.7
Power (kW)	60.19
NPSHr (m)	6
Speed (rpm)	2950
Max impeller diameter (mm)	143.7

Medium

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



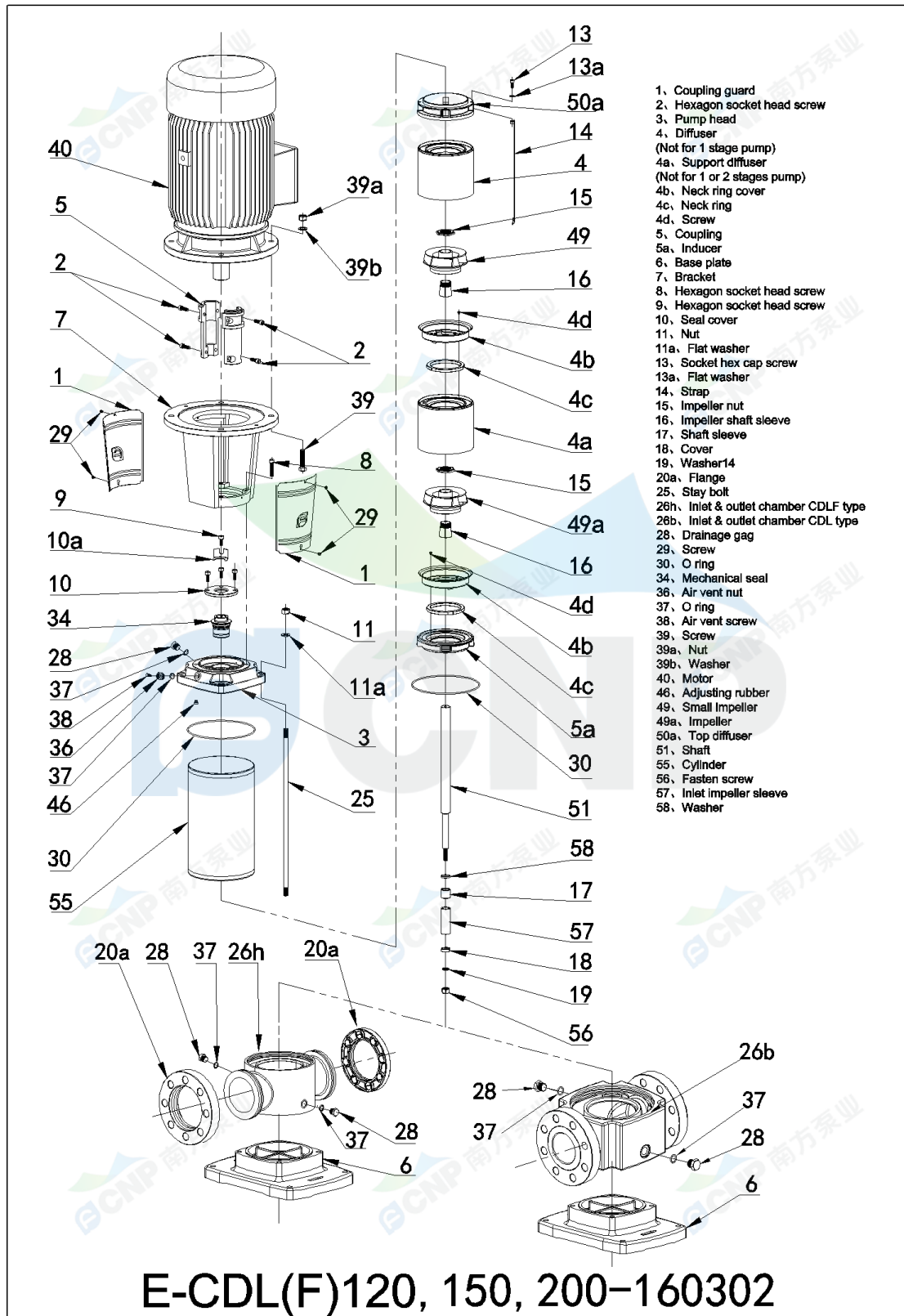


Structure picture
CDL120-70-1

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- 1. Coupling guard
- 2. Hexagon socket head screw
- 3. Pump head
- 4. Diffuser
- (Not for 1 stage pump)
- 4a. Support diffuser
- (Not for 1 or 2 stages pump)
- 4b. Neck ring cover
- 4c. Neck ring
- 4d. Screw
- 5. Coupling
- 5a. Inducer
- 6. Base plate
- 7. Bracket
- 8. Hexagon socket head screw
- 9. Hexagon socket head screw
- 10. Seal cover
- 11. Nut
- 11a. Flat washer
- 13. Socket hex cap screw
- 13a. Flat washer
- 14. Strap
- 15. Impeller nut
- 16. Impeller shaft sleeve
- 17. Shaft sleeve
- 18. Cover
- 19. Washer14
- 20a. Flange
- 25. Stay bolt
- 26h. Inlet & outlet chamber CDLF type
- 26b. Inlet & outlet chamber CDL type
- 28. Drainage gag
- 29. Screw
- 30. O ring
- 34. Mechanical seal
- 36. Air vent nut
- 37. O ring
- 38. Air vent screw
- 39. Screw
- 39a. Nut
- 39b. Washer
- 40. Motor
- 46. Adjusting rubber
- 49. Small Impeller
- 49a. Impeller
- 50a. Top diffuser
- 51. Shaft
- 55. Cylinder
- 56. Fasten screw
- 57. Inlet impeller sleeve
- 58. Washer



Dimension Drawing
CDL120-70-1

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