	<b>Product Information</b>  <b>CDL150-40</b>	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.	1100001144
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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>

<b>technology</b>	
Pump rotator speed	2950
Nameplate standards	CE
Pump version	2
<b>Material</b>	
Impeller	304
Rubber code	P
Inlet&outlet chamber	304
Material Code	S
<b>Installation</b>	
Connection Code	F
Maximum Pressure/Temperatu	25 bar / 120
Maximum Pressure/Temperatu	25 bar / -15
Flange Standard	DIN
Pressure Class	PN25-40
Inlet & outlet	DN125
<b>Medium</b>	
Medium Temperature normal	-15+70
Medium Temperature high t	-15+120
Maximum Environment Temper	40
<b>Motor</b>	
Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power	55KW
Power Frequency	50HZ
Rated Voltage (V)	380V
Rated Current (A)	98.5A
Energy Efficiency Level	IE3
<b>Seal</b>	
Mechanical Seal	CDLA-32/WBF14
<b>Others</b>	
Weight (kg)	560

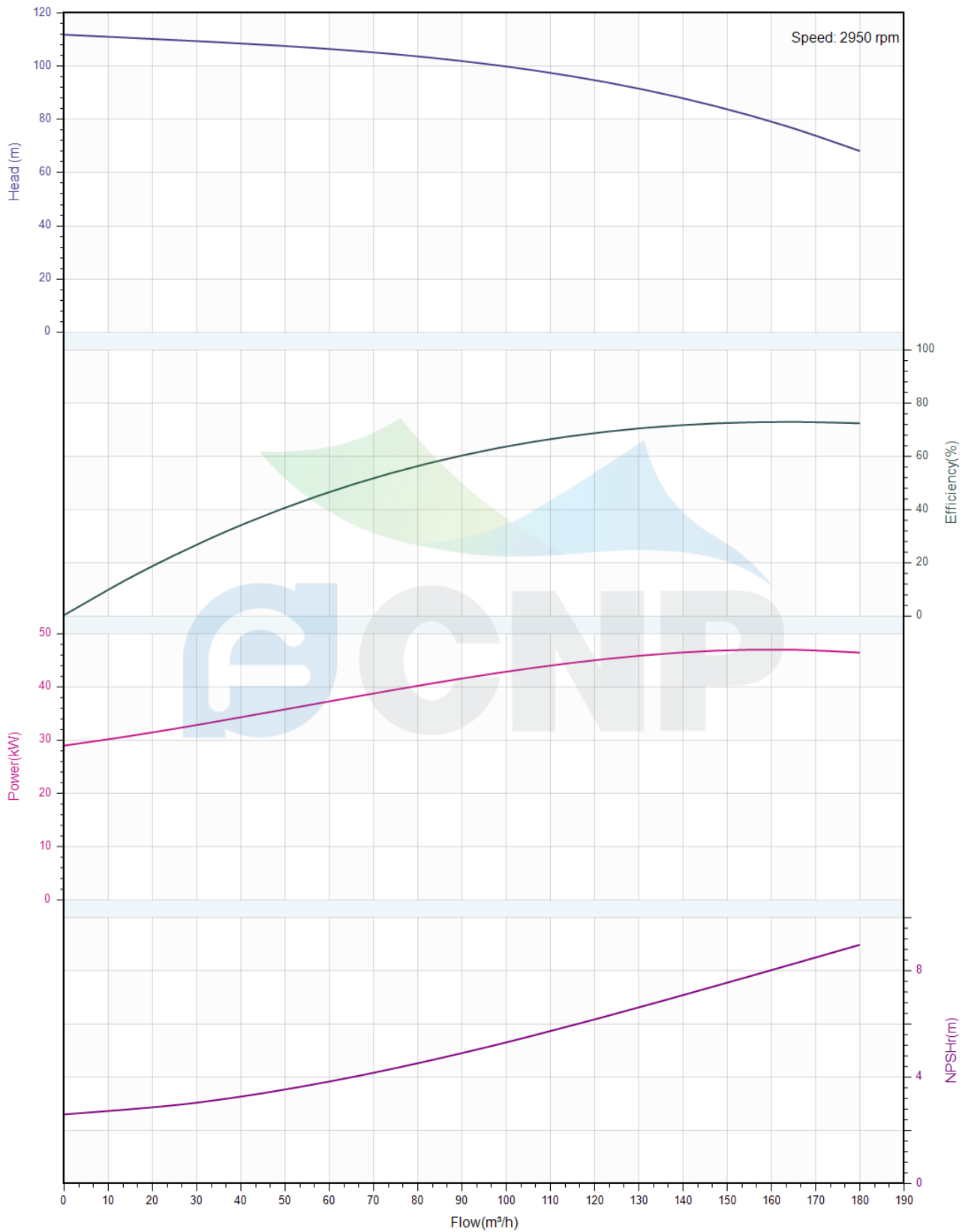


# Performance Curve CDL150-40

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 CDL150-40

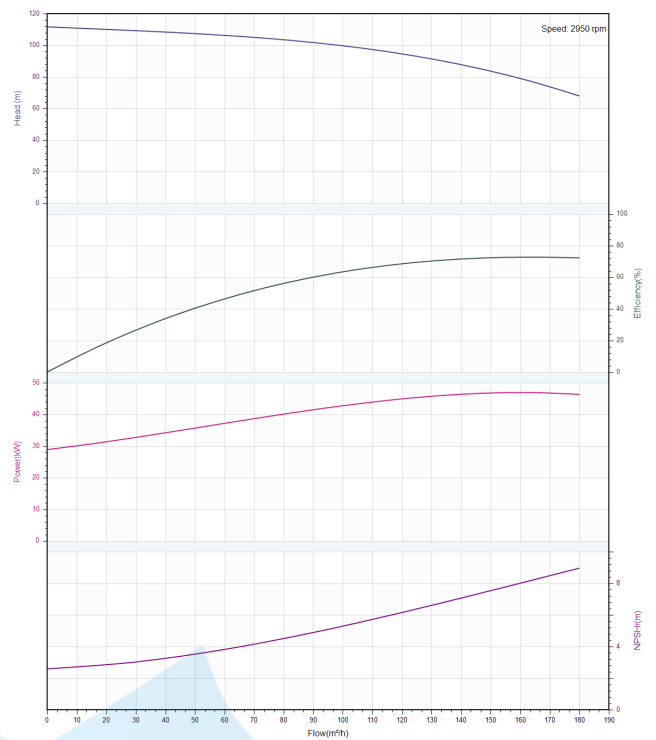
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### Rated parameters

Pump model	CDL150-40
Part NO.	1100001144
Rated flow (m <sup>3</sup> /h)	150
Rated head (m)	84
Rated efficiency (%)	75.8
Power (kW)	45.3
NPSHr (m)	6.5
Speed (rpm)	2950
Max impeller diameter (mm)	151.5

### Medium

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



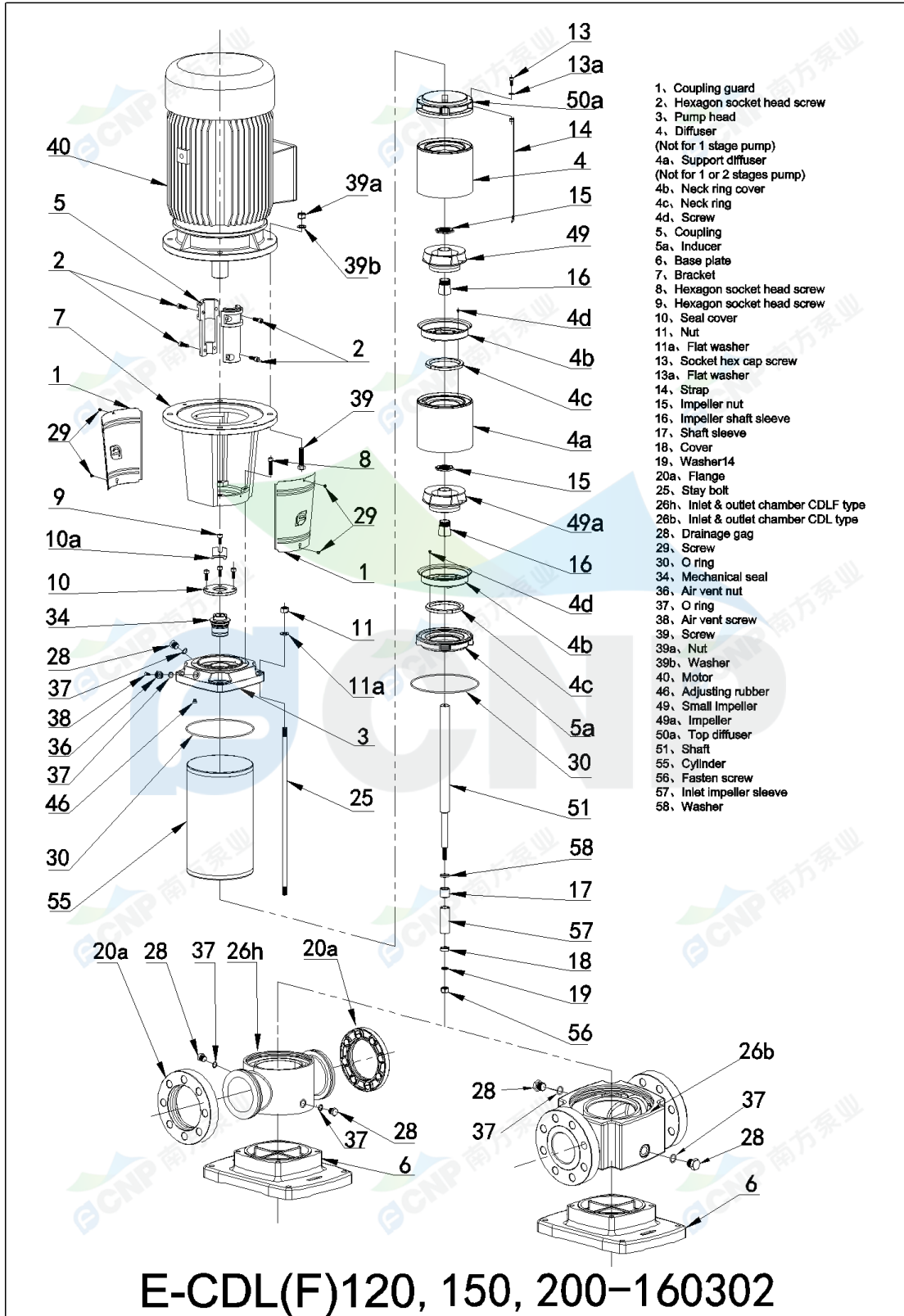


**Structure picture**  
**CDL150-40**

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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 CDL150-40

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