	<b>Product Information</b> <b>CDLF12-2+CDH12-18</b>	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
<b>Project Name</b>		Contact	86-571-88637351
		Date	2022/03/05
<b>Item NO</b>		Client Name	DPA
		Client Addr.	
		Contacts	Alireza
		Contact	

Part NO.	1100061032
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Product Picture	Note
	<p>CDLF+CDH vertical high pressure pump consists of two vertical multistage centrifugal pumps in series to form a double pump system to produce high pressure.</p>

<b>technology</b>	
Pump rotator speed	2900
<b>Material</b>	
Impeller	304
Rubber code	P
Material Code	S
<b>Installation</b>	
Connection Code	K
Installation type	card cover
Maximum Operation Pressure	50Bar
<b>Medium</b>	
Medium Temperature normal	-15~70
Medium Temperature high t	-15~120
Maximum Environment Temper	40
<b>Structure dimension</b>	
Inlet & outlet size types	DN
Inlet & Outlet Diameter	DN50
Rotation Direction	CDLF rotates anti-clockwise viewing from motor side and CDH rotates clockwise.
<b>Motor</b>	
Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power	1.5+11
Energy Efficiency Level	IE2
<b>Seal</b>	
Mechanical Seal	CDLA-16/WBF14
<b>Others</b>	
Weight of Pump	210

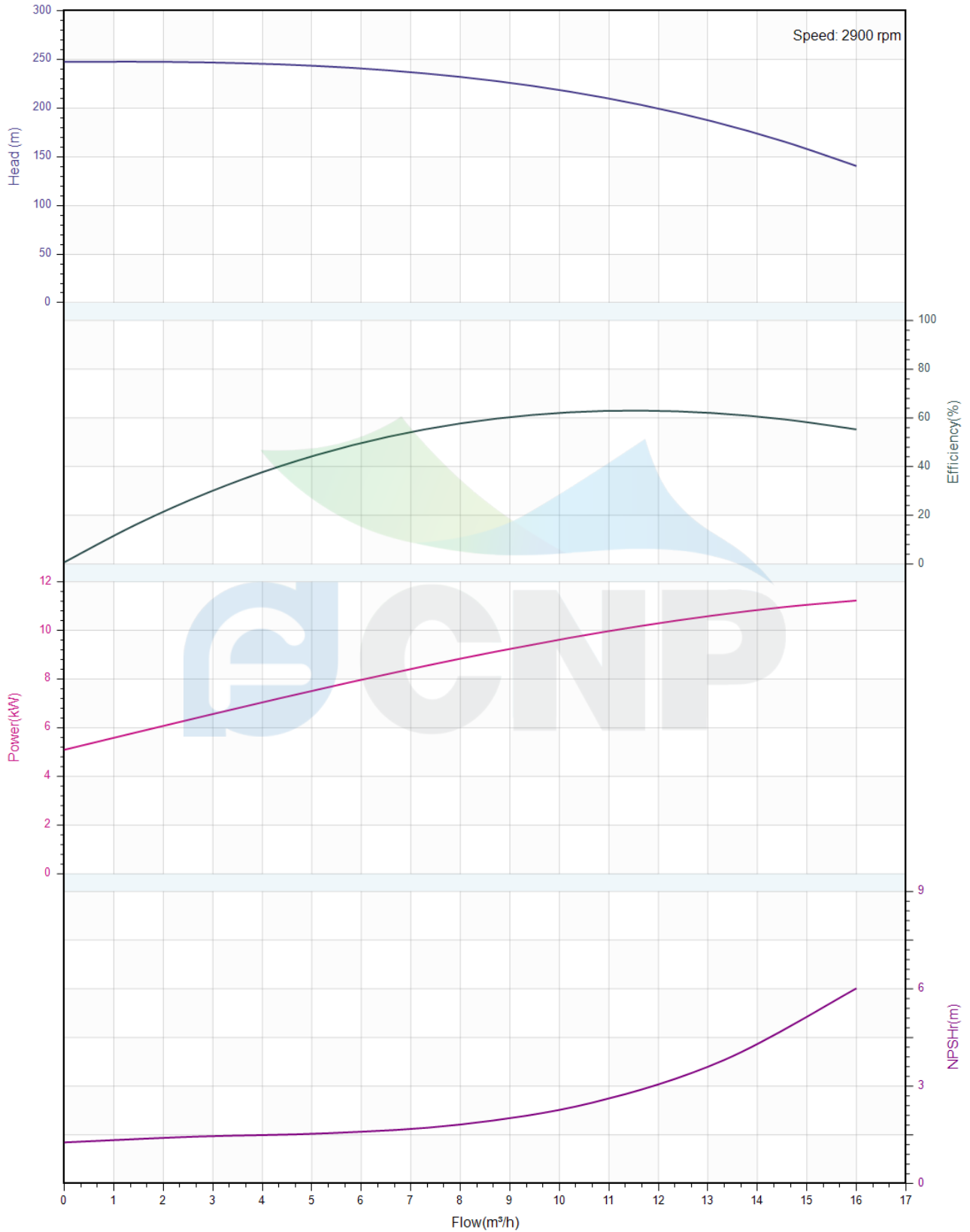


### Performance Curve CDLF12-2+CDH12-18

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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 CDLF12-2+CDH12-18

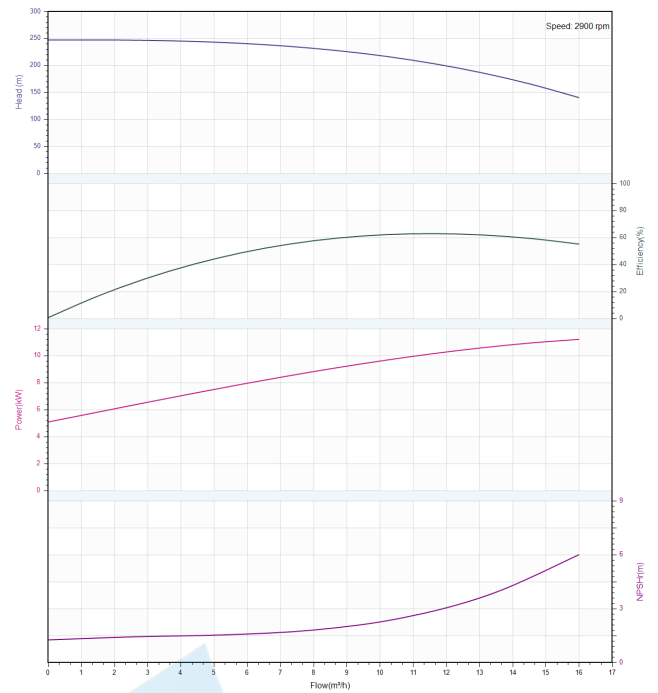
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### Rated parameters

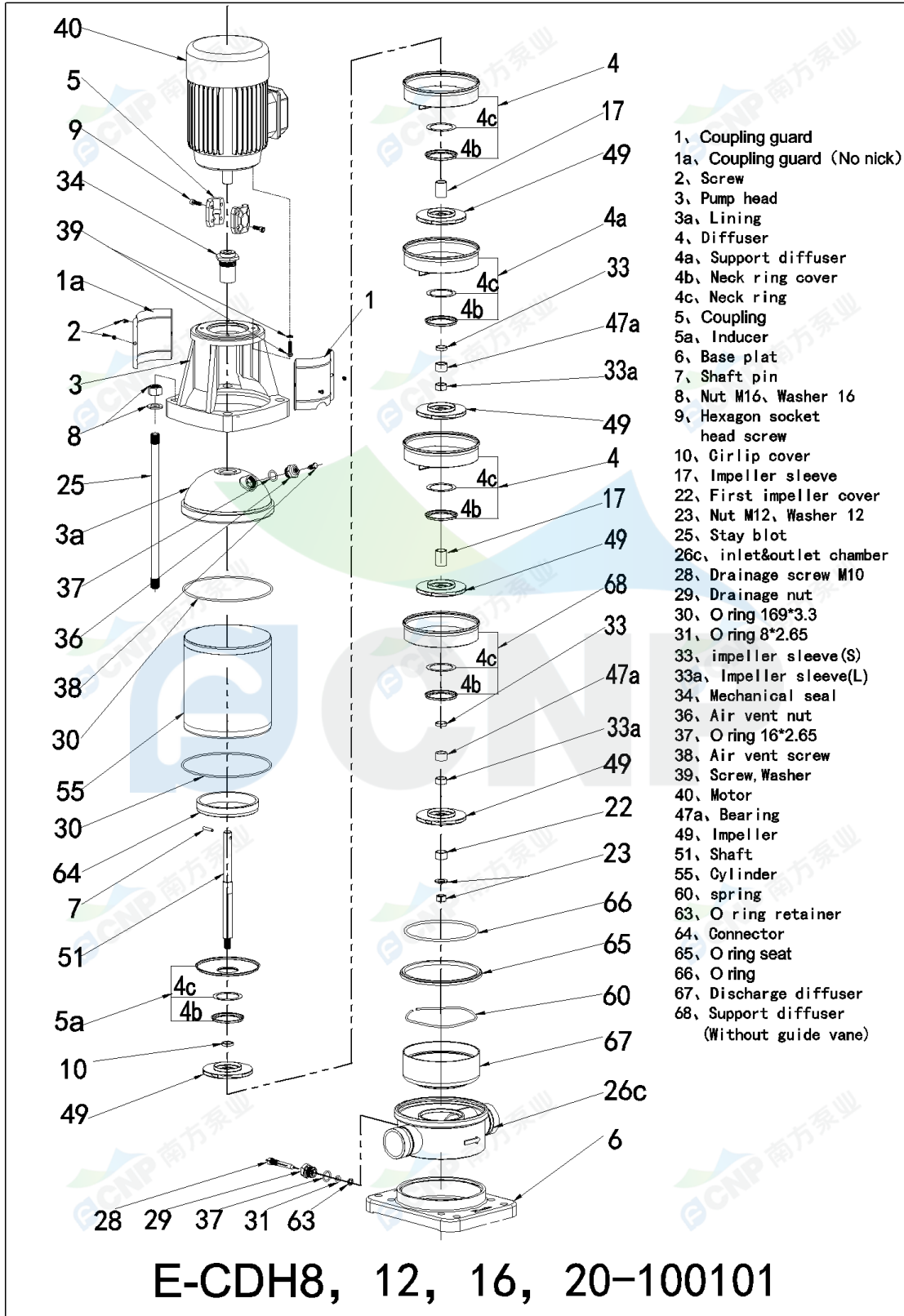
Pump model	CDLF12-2+CDH12-18
Part NO.	1100061032
Rated flow (m <sup>3</sup> /h)	12
Rated head (m)	200
Rated efficiency (%)	60
Power (kW)	10.9
NPSHr (m)	2.5
Speed (rpm)	2900

### 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>CDLF12-2+CDH12-18</b>	Manufacturer	CNP
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- 1, Coupling guard
- 1a, Coupling guard (No nick)
- 2, Screw
- 3, Pump head
- 3a, Lining
- 4, Diffuser
- 4a, Support diffuser
- 4b, Neck ring cover
- 4c, Neck ring
- 5, Coupling
- 5a, Inducer
- 6, Base plat
- 7, Shaft pin
- 8, Nut M16, Washer 16
- 9, Hexagon socket head screw
- 10, Girlip cover
- 17, Impeller sleeve
- 22, First impeller cover
- 23, Nut M12, Washer 12
- 25, Stay blot
- 26c, inlet&outlet chamber
- 28, Drainage screw M10
- 29, Drainage nut
- 30, O ring 169\*3.3
- 31, O ring 8\*2.65
- 33, impeller sleeve(S)
- 33a, Impeller sleeve(L)
- 34, Mechanical seal
- 36, Air vent nut
- 37, O ring 16\*2.65
- 38, Air vent screw
- 39, Screw, Washer
- 40, Motor
- 47a, Bearing
- 49, Impeller
- 51, Shaft
- 55, Cylinder
- 60, spring
- 63, O ring retainer
- 64, Connector
- 65, O ring seat
- 66, O ring
- 67, Discharge diffuser
- 68, Support diffuser (Without guide vane)



### Dimension Drawing CDLF12-2+CDH12-18

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