	<b>Product Information</b> <b>CDLK1-120/12</b>	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
Project Name		Contact	86-571-88637351
		Date	2022/07/17
Item NO		Client Name	DPA
		Client Addr.	
		Contacts	Alireza
		Contact	

Part NO.	1100055647
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Product Picture	Note
	<p>Product introduction</p> <p>CDLK/CDLKF is non-self priming multi-stage centrifugal pump installed with standard motor. The motor shaft is directly connected with the pump shaft through coupling. The impellers and diffusers are made of stainless steel plate stamping and welding. In order to meet the requirement of installation depth of the water tank or vessel, it is possible to install cavity diffusers for changing length of the pump.</p> <p>Performance and advantages</p> <p>Compact structure  Convenient maintenance  Changeable installation depth</p>

<b>technology</b>	
Pump rotator speed	2900
Nameplate standards	CE
<b>Material</b>	
Impeller	304
Rubber code	P
Material Code	S
<b>Medium</b>	
Medium Temperature normal	-15+70
Medium Temperature high t	-15+105
Maximum Environment Temper	40
<b>Motor</b>	
Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power	0.75KW
Power Frequency	50HZ
Rated Voltage (V)	220/380V
Rated Current (A)	3.1/1.8A
Energy Efficiency Level	IE3
<b>Seal</b>	
Mechanical Seal	CDL-12/WSF14
<b>Others</b>	
Weight (kg)	20

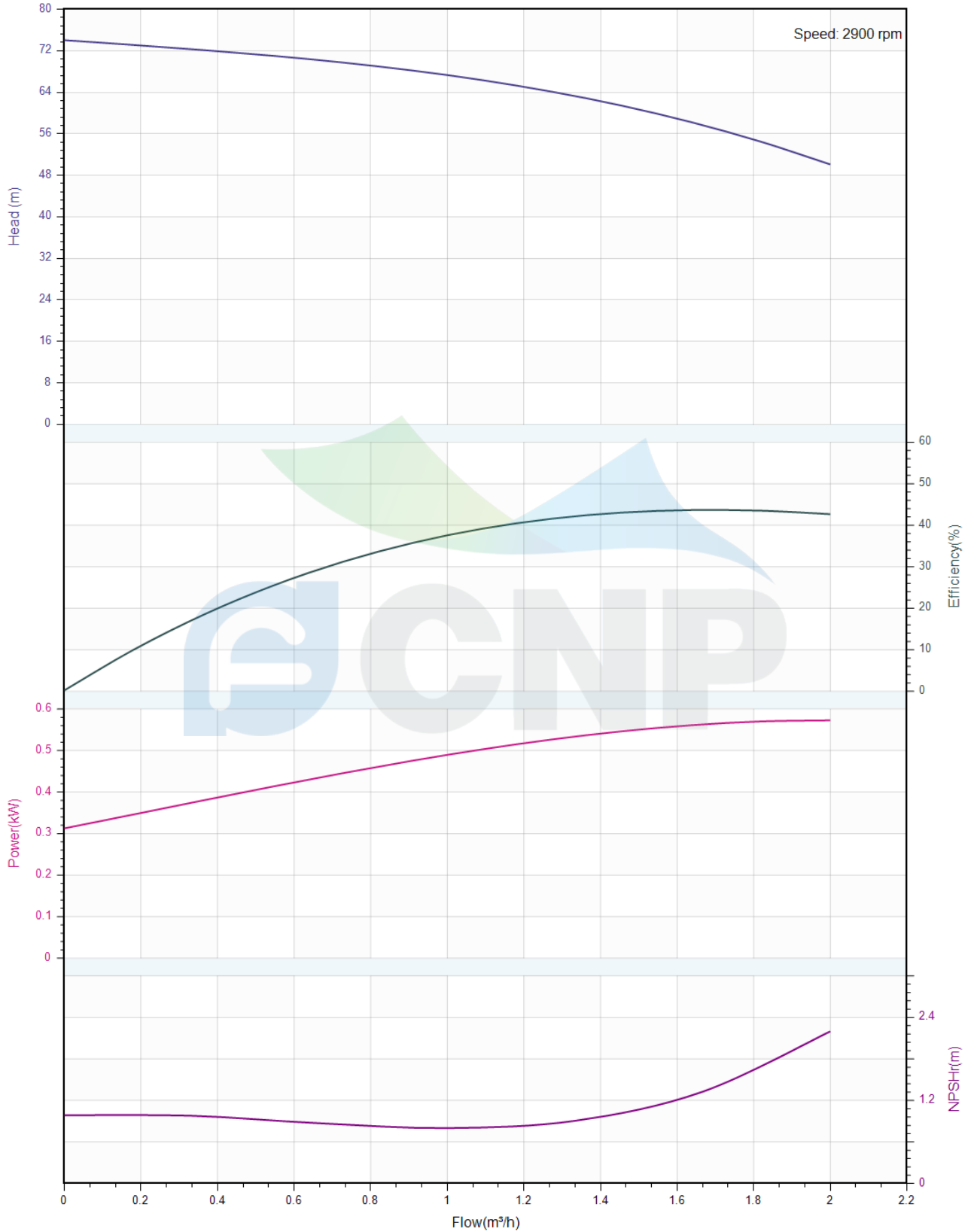


# Performance Curve CDLK1-120/12

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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 CDLK1-120/12

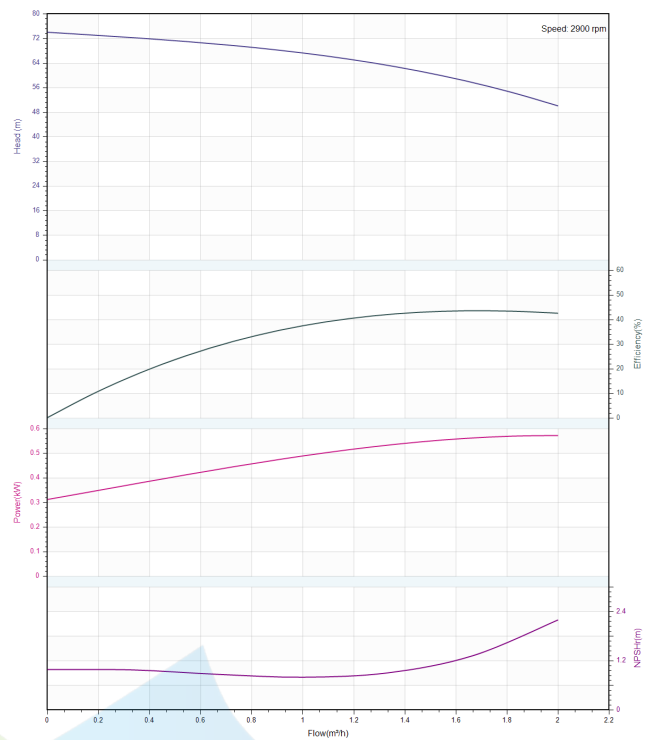
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#### Rated parameters

Pump model	CDLK1-120/12
Part NO.	1100055647
Rated flow (m <sup>3</sup> /h)	1
Rated head (m)	67
Rated efficiency (%)	36
Power (kW)	0.51
NPSHr (m)	2
Speed (rpm)	2900
Max impeller diameter (mm)	75

#### Medium

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



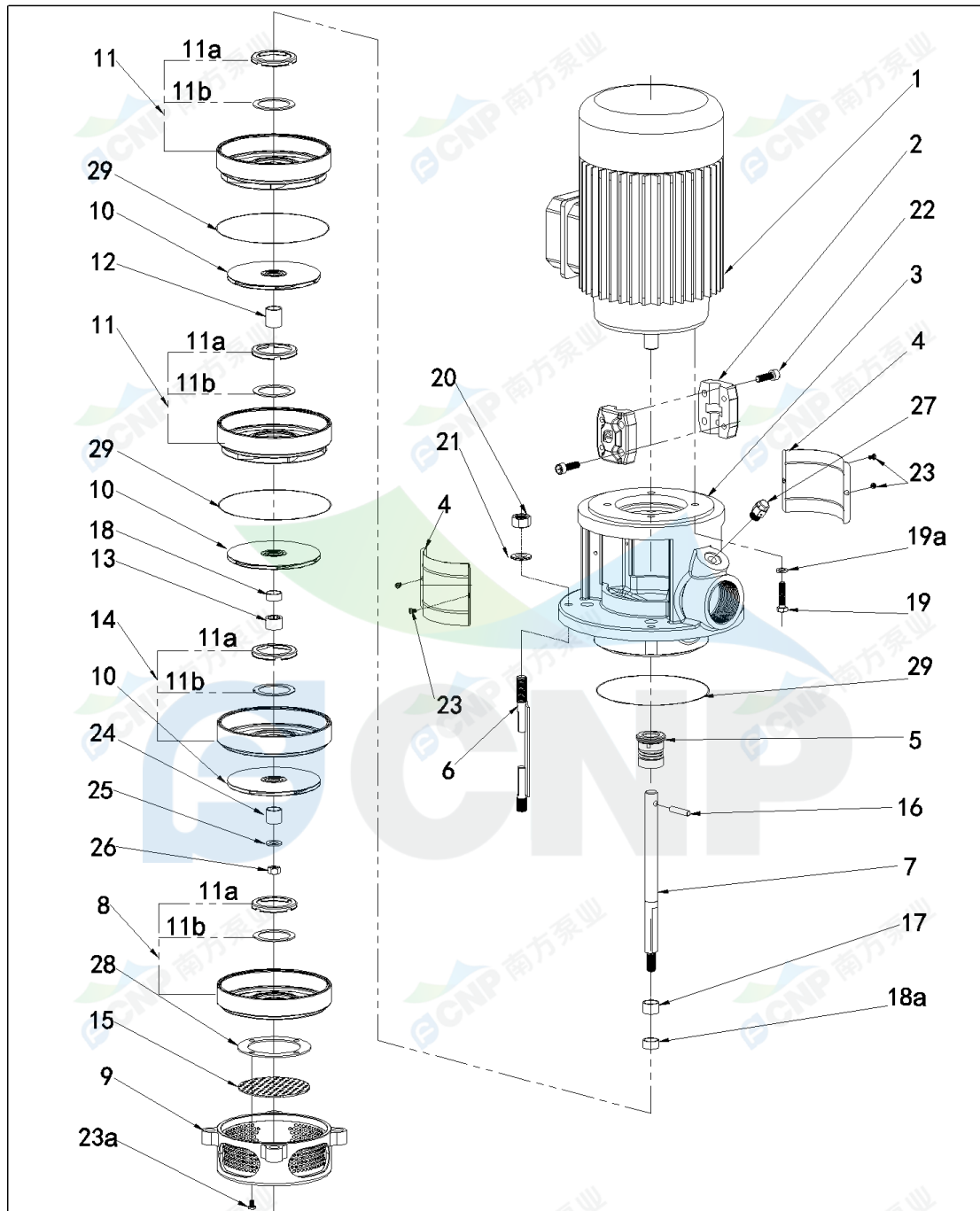


**Structure picture**  
**CDLK1-120/12**

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- |                   |                     |                       |                   |                         |
|-------------------|---------------------|-----------------------|-------------------|-------------------------|
| 1、Motor           | 8、Inducer           | 13、Bearing            | 19、Screw          | 23a、Screw               |
| 2、Coupling        | 9、Suction head      | 14、Support diffuser   | 19a、Washer        | 24、First impeller cover |
| 3、Pump head       | 10、Impeller         | 15、Strainer           | 20、Nut            | 25、Washer               |
| 4、Coupling guard  | 11、Diffuser         | 16、Shaft pin          | 21、Washer         | 26、Nut                  |
| 5、Mechanical seal | 11a、Neck ring cover | 17、Circlip cover      | 22、Hexagon socket | 27、Air vent gag         |
| 6、Straps          | 11b、Neck ring       | 18、Impeller sleeve(S) | head screw        | 28、Strainer retainer    |
| 7、Shaft           | 12、Impeller sleeve  | 18a、Adjusting sleeve  | 23、Screw          | 29、O ring               |

**E-CDLK(F)1, 2, 3, 4-111102**



### Dimension Drawing CDLK1-120/12

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CDLK1-120/12 50Hz

