



**Product Information**  
**CDM20-15**

Manufacturer	CNP
Address	Yuhang District, Hangzhou, Zhejiang,
Contact	86-571-88637351
Date	2022/07/26
Client Name	DPA
Client Addr.	
Contacts	Alireza
Contact	

**Project Name**

**Item NO**

Part NO.	1100090791
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Product Picture	Note
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CDM/CDMF pumps are new generation, high efficiency, non-self-priming vertical multistage centrifugal pumps (Abbr. as pumps). It referred to European standard, adopted entirely new industrial design, efficiency achieved  $MEI \geq 0.7$ . It is energy saving, low noise, environment friendly, compact design, beautiful shape, light weight, easy for service, high reliability.

**Nameplate parameters**

flow	20 m <sup>3</sup> /h
head	180 m
Efficiency	72
speed	2900
number of stages	15

**technology**

Pump rotator speed	2900
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/Temperatu	23 bar/120 °C
Maximum Pressure/Temperatu	23 bar/ -15 °C
Flange Standard	DIN
Pressure Class	PN25
Inlet & outlet	DN50

**Medium**

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

**Motor**

Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power	18.5KW
Power Frequency	50Hz
Rated Voltage (V)	380V
Rated Current (A)	34.2A
Energy Efficiency Level	IE3

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**Seal**

Mechanical Seal                      CDLA-16/WBF14

**Others**

Weight (kg)                              202





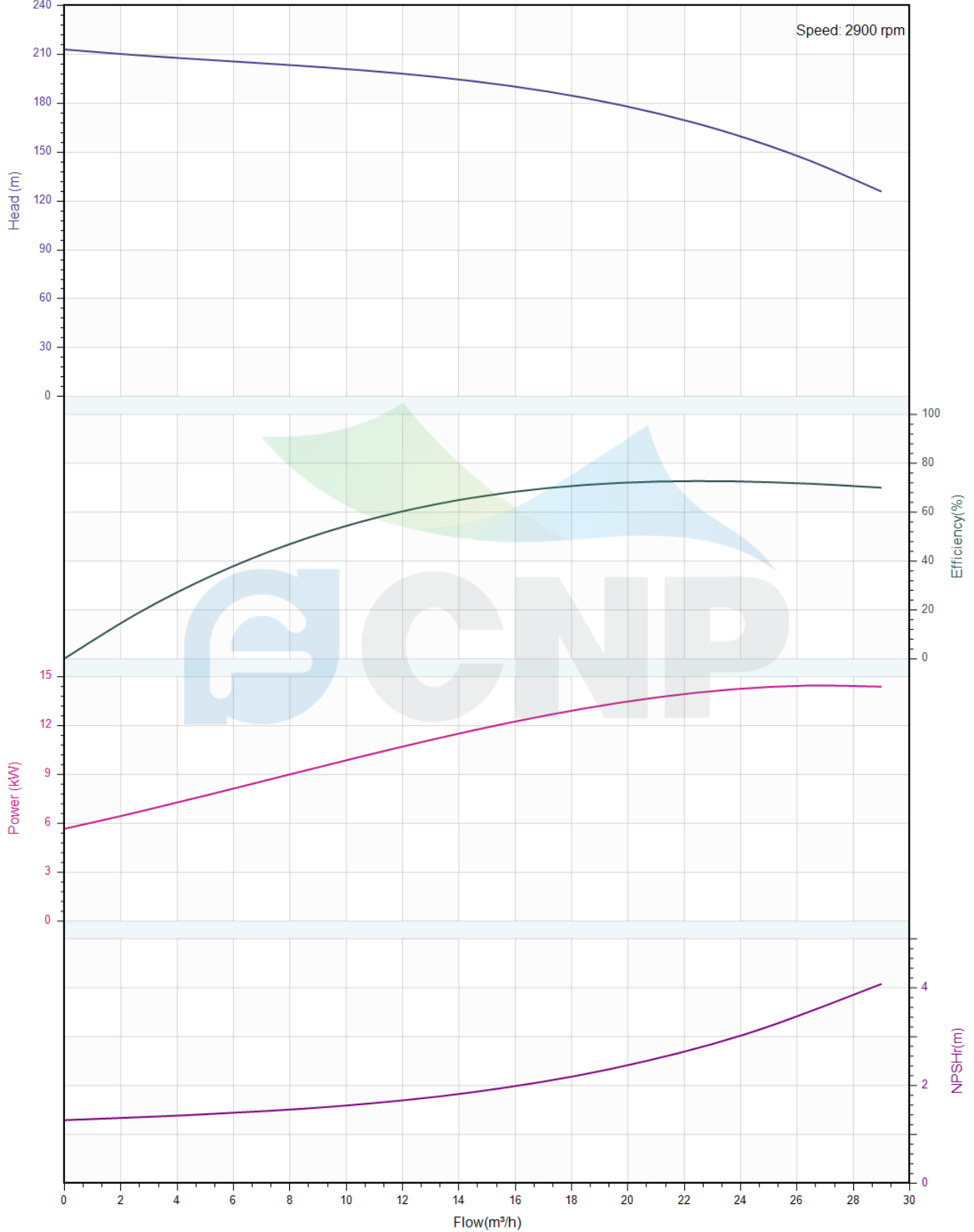
# Performance Curve CDM20-15

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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. GB32162016 Grande 3B





## Pump Technical Parameters CDM20-15

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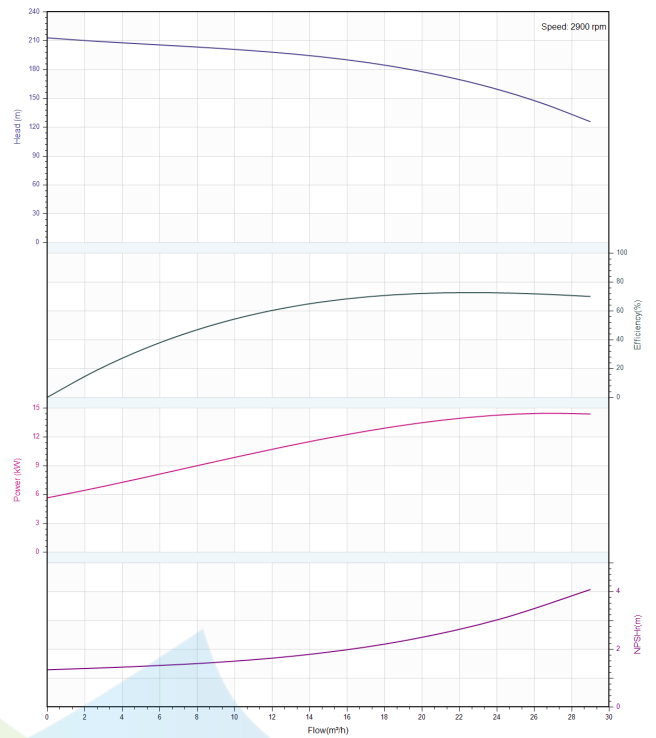
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### Rated parameters

Pump model	CDM20-15
Part NO.	1100090791
Rated flow	20 m <sup>3</sup> /h
Rated head	180 m
Rated efficiency (%)	72
Power (kW)	13.6
NPSHr (m)	2.5
Speed (rpm)	2900
Max impeller diameter (mm)	106

### Medium

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



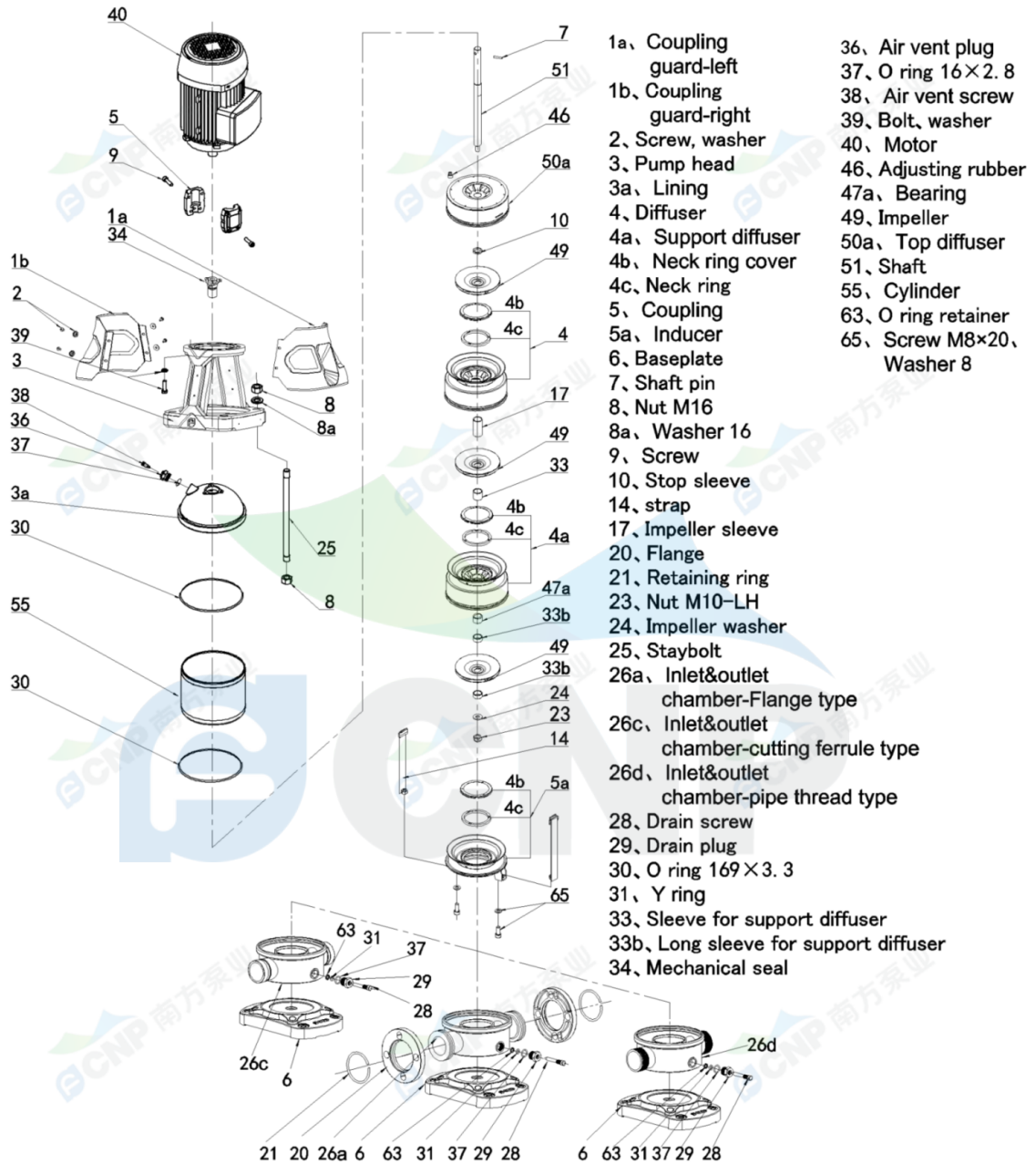


## Structure picture CDM20-15

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- 1a、Coupling guard-left
- 1b、Coupling guard-right
- 2、Screw, washer
- 3、Pump head
- 3a、Lining
- 4、Diffuser
- 4a、Support diffuser
- 4b、Neck ring cover
- 4c、Neck ring
- 5、Coupling
- 5a、Inducer
- 6、Baseplate
- 7、Shaft pin
- 8、Nut M16
- 8a、Washer 16
- 9、Screw
- 10、Stop sleeve
- 14、strap
- 17、Impeller sleeve
- 20、Flange
- 21、Retaining ring
- 23、Nut M10-LH
- 24、Impeller washer
- 25、Staybolt
- 26a、Inlet&outlet chamber-Flange type
- 26b、Inlet&outlet chamber-cutting ferrule type
- 26c、Inlet&outlet chamber-cutting ferrule type
- 26d、Inlet&outlet chamber-pipe thread type
- 28、Drain screw
- 29、Drain plug
- 30、O ring 169×3. 3
- 31、Y ring
- 33、Sleeve for support diffuser
- 33b、Long sleeve for support diffuser
- 34、Mechanical seal
- 36、Air vent plug
- 37、O ring 16×2. 8
- 38、Air vent screw
- 39、Bolt, washer
- 40、Motor
- 46、Adjusting rubber
- 47a、Bearing
- 49、Impeller
- 50a、Top diffuser
- 51、Shaft
- 55、Cylinder
- 63、O ring retainer
- 65、Screw M8×20、Washer 8



**Physical picture**  
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