	Product Information CDL20-16	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.	1100081521
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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	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/Temperaturu	25 bar / 120
Maximum Pressure/Temperaturu	25 bar / -15
Flange Standard	DIN
Pressure Class	PN25
Inlet & outlet	DN50

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	18.5KW
Power Frequency	50HZ
Rated Voltage (V)	380V
Rated Current (A)	34.2A
Energy Efficiency Level	IE3

Seal

Mechanical Seal	CDLA-16/WBF14
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Others

Weight (kg)	194
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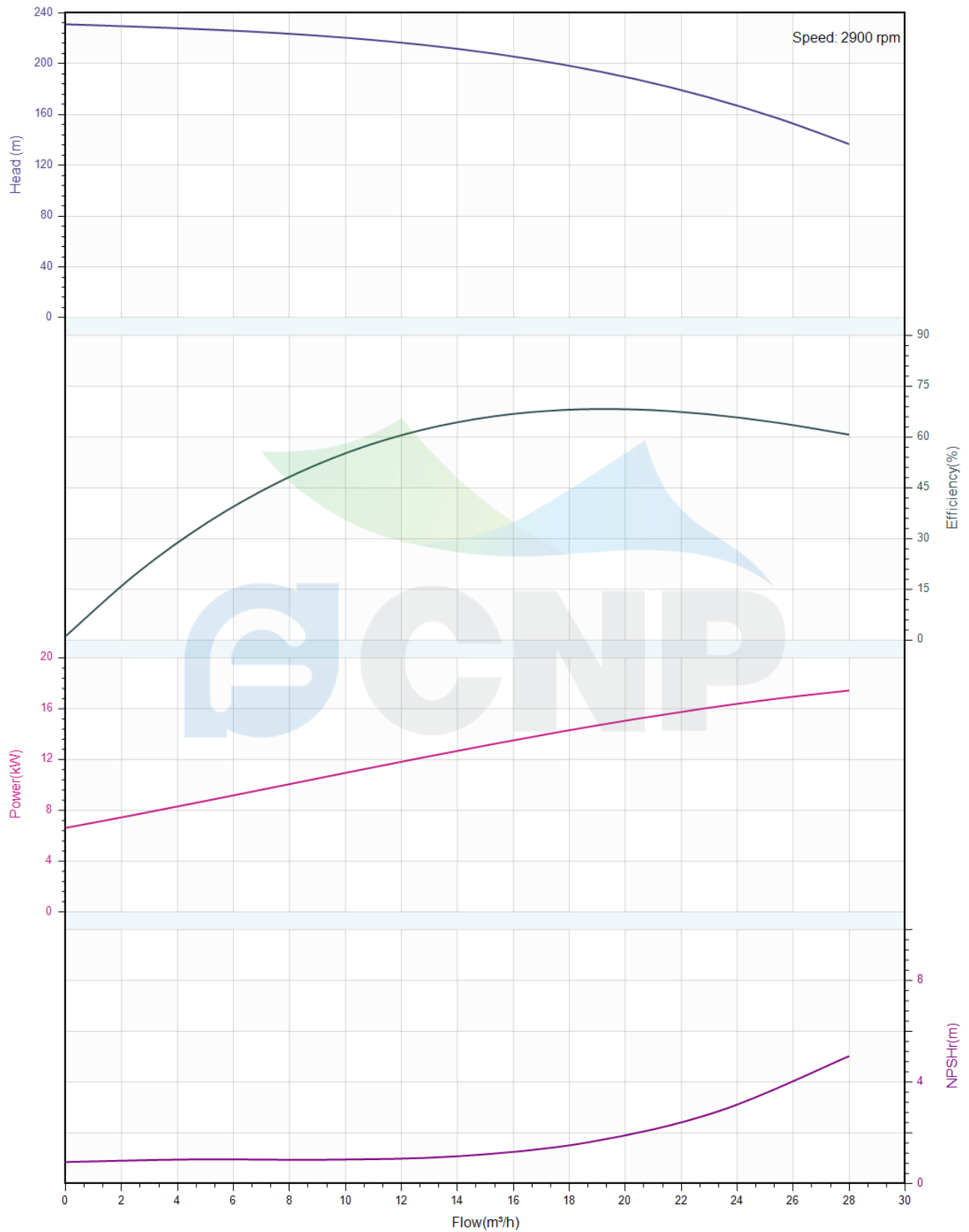
Performance Curve CDL20-16

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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 CDL20-16

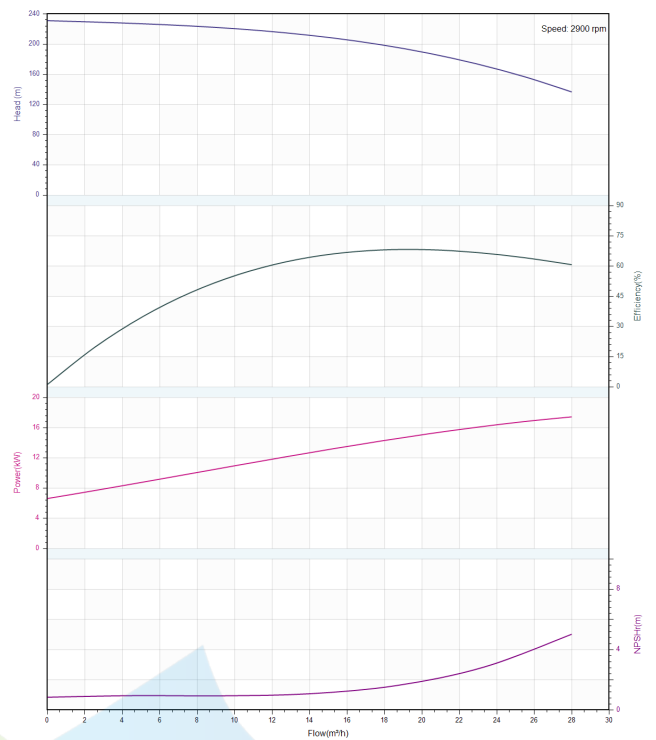
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Rated parameters

Pump model	CDL20-16
Part NO.	1100081521
Rated flow (m ³ /h)	20
Rated head (m)	190
Rated efficiency (%)	65.4
Power (kW)	15.83
NPSHr (m)	2
Speed (rpm)	2900
Max impeller diameter (mm)	106

Medium

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



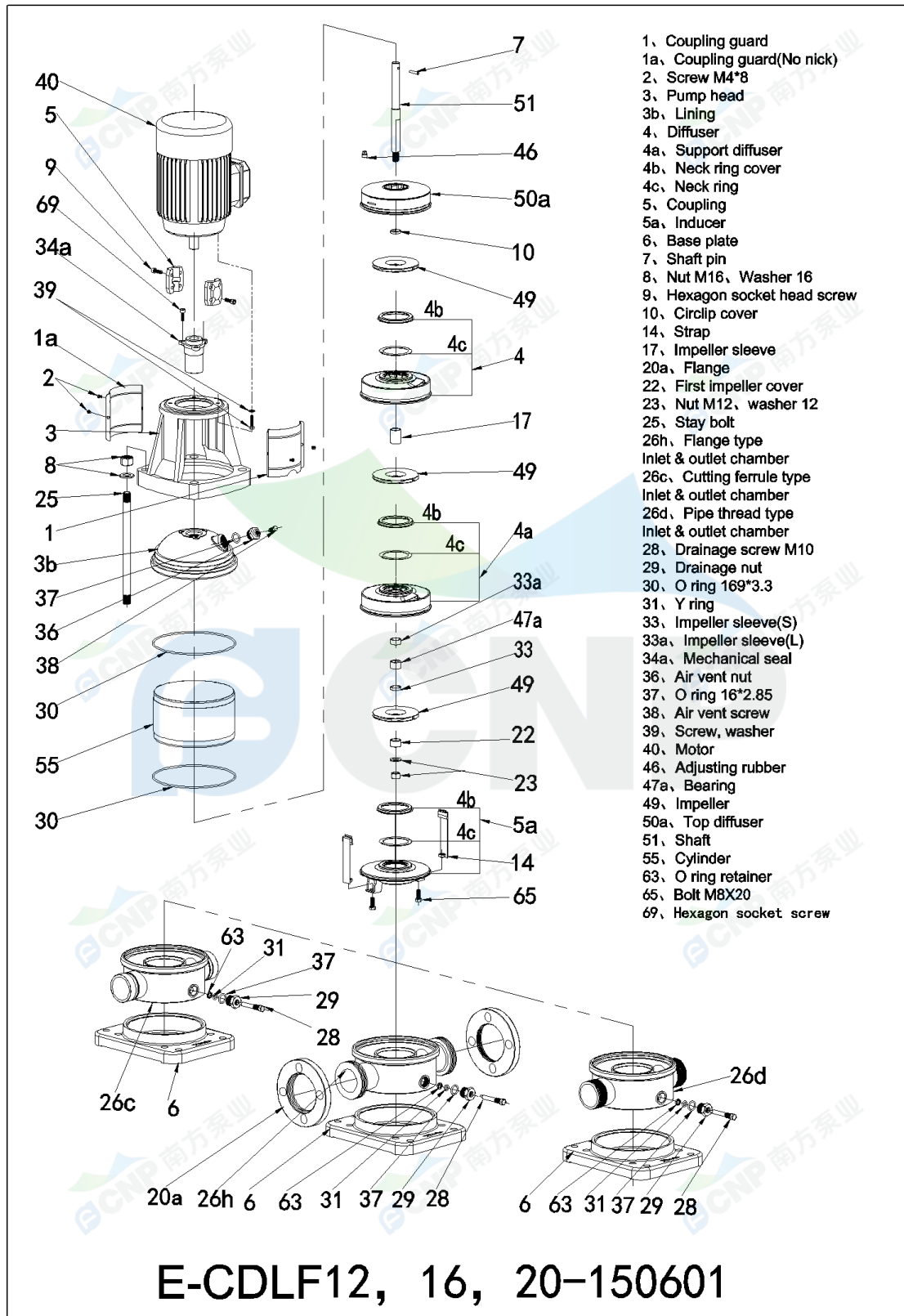


Structure picture
CDL20-16

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- 1、 Coupling guard
- 1a、 Coupling guard(No nick)
- 2、 Screw M4*8
- 3、 Pump head
- 3b、 Lining
- 4、 Diffuser
- 4a、 Support diffuser
- 4b、 Neck ring cover
- 4c、 Neck ring
- 5、 Coupling
- 5a、 Inducer
- 6、 Base plate
- 7、 Shaft pin
- 8、 Nut M16、 Washer 16
- 9、 Hexagon socket head screw
- 10、 Circlip cover
- 14、 Strap
- 17、 Impeller sleeve
- 20a、 Flange
- 22、 First impeller cover
- 23、 Nut M12、 washer 12
- 25、 Stay bolt
- 26h、 Flange type Inlet & outlet chamber
- 26c、 Cutting ferrule type Inlet & outlet chamber
- 26d、 Pipe thread type Inlet & outlet chamber
- 28、 Drainage screw M10
- 29、 Drainage nut
- 30、 O ring 169*3.3
- 31、 Y ring
- 33、 Impeller sleeve(S)
- 33a、 Impeller sleeve(L)
- 34a、 Mechanical seal
- 36、 Air vent nut
- 37、 O ring 16*2.85
- 38、 Air vent screw
- 39、 Screw, washer
- 40、 Motor
- 46、 Adjusting rubber
- 47a、 Bearing
- 49、 Impeller
- 50a、 Top diffuser
- 51、 Shaft
- 55、 Cylinder
- 63、 O ring retainer
- 65、 Bolt M8X20
- 69、 Hexagon socket screw



Dimension Drawing CDL20-16

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