FANCY the pump of arts	Product Information CDM42-12-2	Manufacturer	FANCY PUMP(ZHEJIANG) Co., LTD
		Address	Wanchang Road, Wenling City, Zhejiang
		Contact	+86 13566667995
		Date	2025/03/26
Project Name		Client Name	
		Client Addr.	
Item NO		Contacts	
		Contact	

Part NO.	CDM42-12-2
Product Picture: (Note: Images may not be the same as the product)	Note
	CDM Vertical multistage stainless steel new generation, high efficiency pump, It referred to European standard, adopted entirely new industrial design, It is energy saving, low noise, environment friendly, compact design, beautiful shape, light weight, easy for service, high reliability.

Nameplate parameters

Rated flow(m^3/h)	42
Rated head(m)	238
Rated power(kW)	45
Efficiency(%)	69.8
Speed(r/min)	2900
Impeller stages	12

Material

Pump body	SS304
Impeller	SS304
Diffuser	SS304
Motor bracket	HT250
Pump shaft	SS304
Mechanical seal	GN+WC+FKM
Motor case	HT200
Stator&rotor	50W800
Bearing	GCr15
Wiring	Cu
Base	HT200

Liquid

Liquid temperature	-15~120°C
PH value of fluid	5~9
Fluid density	$1\times10^3kg/m^3$
Maximum ambient temperature (°C)	40°C
Pumping fluid	Clean water

Motor

Phase	3~ph
Protection grade	IP55
Insulation class	F
Motor power(kW)	45KW
Impeller rotation(viewed from motor)	Counterclockwise
Frequency(Hz)	50Hz
Rated voltage(V)	380
Motor efficiency rating	IE3
Motor pole	2

Installation

Interface type	F

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Installation

Inlet	DN80
Outlet	DN80
Maximum working pressure(Mpa)	2.5Mpa
Flange standard	DIN

Seal

Mechanical seal specification	GF-22/WB1F14
Bearing brand	C&U
Bearing model	6312/6312

Weight

Total weight(kg)	481

FANCY the pump of arts	Performance Curve CDM42-12-2	Manufacturer	FANCY PUMP(ZHEJIANG) Co., LTD
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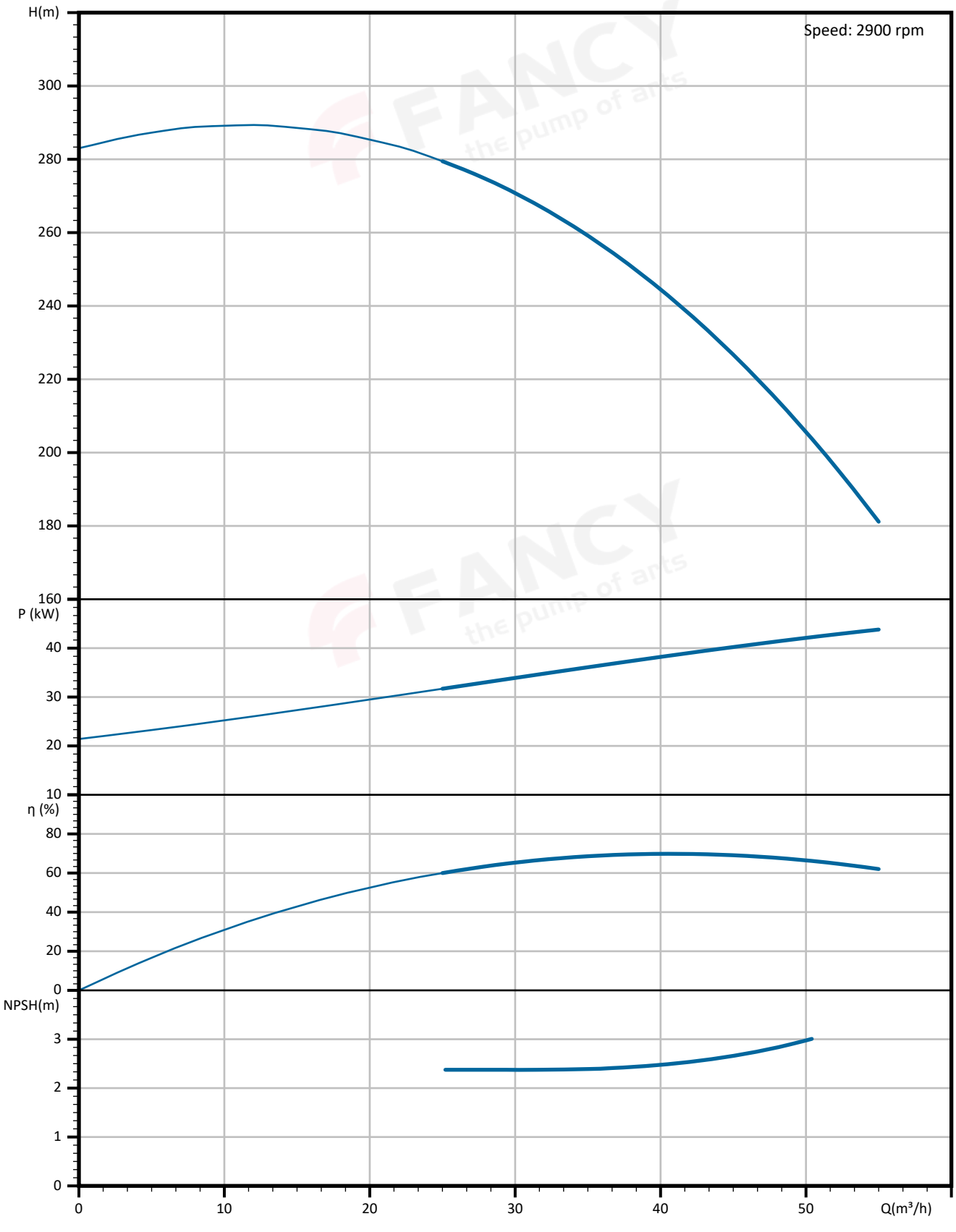
The hydraulic performance curve have been tested with Clean water at °C, density 1000kg/m³,and at 1bar atmospherical pressure. IS099062012 Grade 3B



FANCY the pump of arts	Pump Technical Parameters CDM42-12-2	Manufacturer	FANCY PUMP(ZHEJIANG) Co., LTD
		Address	Wanchang Road, Wenling City, Zhejiang
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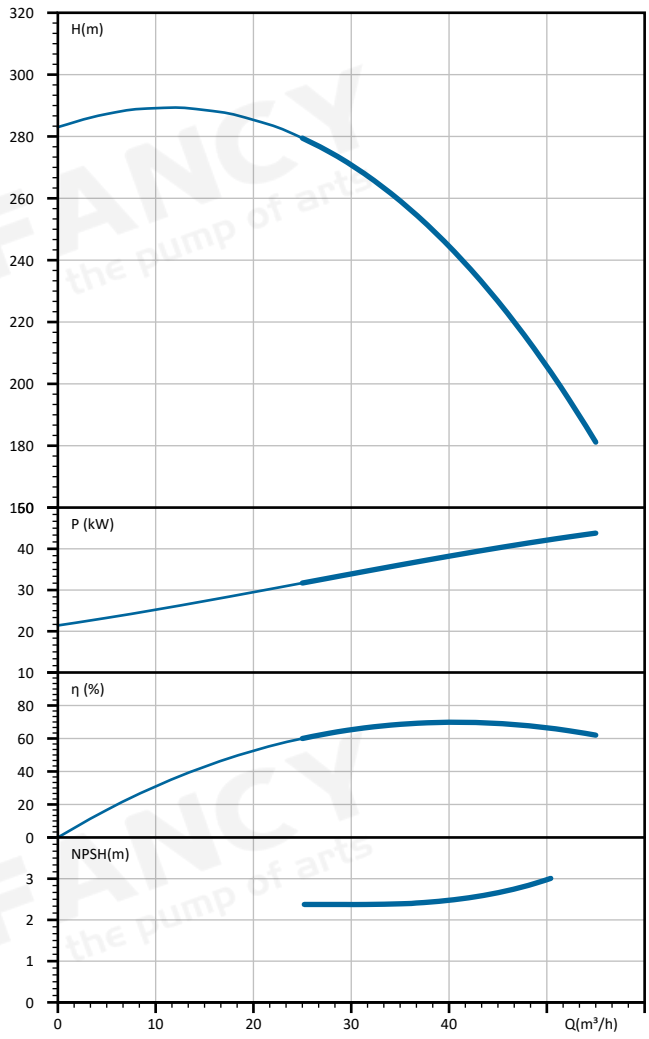
Rated parameters	
Pump model	CDM42-12-2
Part NO.	CDM42-12-2
Rated flow	42 m³/h
Rated head	238 m
Rated efficiency (%)	69.8
Power (kW)	39
NPSHr (m)	2.5
Speed (rpm)	2900
Max impeller diameter (mm)	136

Medium	
Pumped medium	Clean water
Working temperature (°C)	
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1



FANCY the pump of arts	Installation picture CDM42-12-2	Manufacturer	FANCY PUMP(ZHEJIANG) Co., LTD
		Address	Wanchang Road, Wenling City, Zhejiang
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		Date	2025/03/26
Project Name		Client Name	
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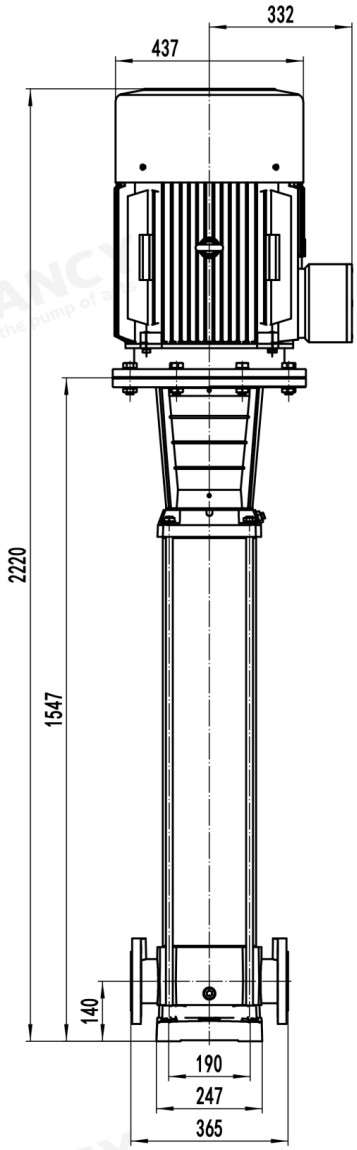

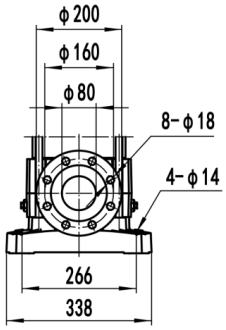

Mark	Places	Section	Mod.file no.	Signature	yy/mm/dd
Design			Standard.		
Verify					
Craft			Approve		

Stage mark	Weight	Scale

Total: 1 pages page: 1

FANCY the pump of arts

Installation dimension
Установочный размер

CDM42-12-2

FANCY the pump of arts	Structure picture CDM42-12-2	Manufacturer	FANCY PUMP(ZHEJIANG) Co., LTD
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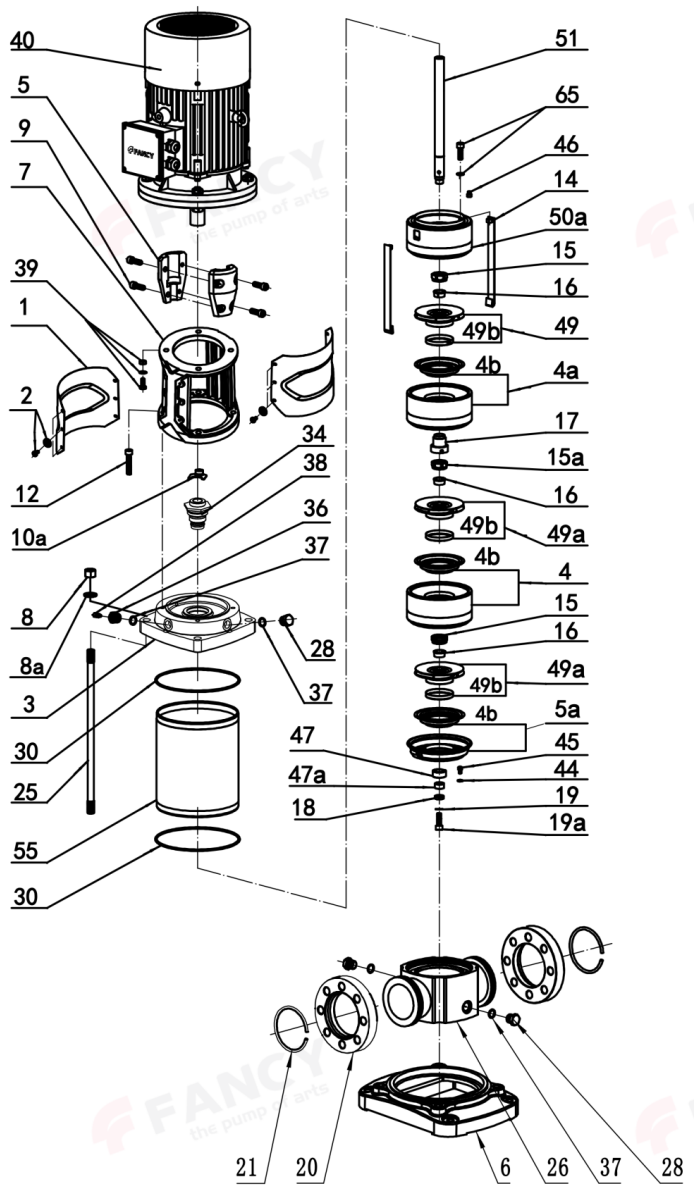

1. Protect plate
2. Screws, plastic washers
3. Pump case
4. Guide vanes
(1 stage pump not exists)
4a. Support guide vanes
(1&2 stage pumps not exist)
4b. Oral ring seat assembly
5. Coupling
5a. Guide vane
6. Base
7. Bracket
8. Nut M16
8a. Washer 16
9. Screw
10a. Adjustment sheet
12. Screw
14. Pull belt
15. Impeller nut
15a. Support nut
(1&2 stage pumps not exist)
16. Cone sleeve
17. Intermediate sleeve
(1&2 stage pumps not exist)
18. Pressure cover
19. Washer 8
19a. Screw M8 ×15-LH
20. Flange
21. Snap ring
25. Pull rod
26. Water inlet&outlet section
28. Screw plug
30. O-ring
34. Mechanical seal
36. Vent screw plug
37. O-ring 16×2.8
38. Vent bolt
39. Bolt, nut, washer
40. Motor
44. Washer 6
45. Screw M6×10
46. Adjustment pile
47. Lower sliding bearing
47a. Lower shaft sleeve
49. Small impeller
49a. Large impeller
49b. Oral ring sleeve
50a. Water outlet guide vane
51. Pump shaft
55. Pressure-resistant cylinder
65. Screw M8×30, washer 8

CDM32, 42, 65

FANCY the pump of arts	Physical picture CDM42-12-2	Manufacturer	FANCY PUMP(ZHEJIANG) Co., LTD
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		Date	2025/03/26
Project Name		Client Name	
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FANCY the pump of arts	Order Data CDM42-12-2	Manufacturer	FANCY PUMP(ZHEJIANG) Co., LTD
		Address	Wanchang Road, Wenling City, Zhejiang
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Project Name		Client Name	
		Client Addr.	
Item NO		Contacts	
		Contact	

Pump model	CDM42-12-2
Part NO.	CDM42-12-2
Product price	
Quantity	1
Total price	