

hydroo®	Product information VDROO1-11	Manufacturer	Hydroo
		Address	
		Contact	(+34) 972 394 654
		Date	2021/03/31
		Client Name	
Project Name		Client Addr.	Russia, Moscow
Station Number		Contacts	
		Contact	

Product No.	VF1-11R 0055 T 2340 5 2 IE3		
Product picture(Note: the picture may not be the same as t		Series description	
		VDROO is a new series of vertical multistage centrifugal pumps made by Hydroo. It includes different versions: VF, VX, VN and VD and their corresponding pumps sets with motor and with variable frequency drivers. VDROO range has been designed to meet the highest demanding in pumping installations. It has been designed, engineered, industrialized and finally, is being produced in the main factory of Hydroo in Palol de Revardit, Catalonia-Spain.	

Performance Data

Rated flow(m³/h)	1
Rated head(m)	61
Efficiency(%)	42
Rated power(kW)(kW)	0.396
NPSHr(m)	1.3
Impeller Dia(mm)	74.5
Rate Speed(rpm)	2900
Impeller stage	11
Min. Flow (m3/h)	0.5
Max. Flow (m3/h)	2.4
Max. Efficiency (%)	48
MEI	0,8
Pump Weight (kg)	28

MATERIAL

Impeller/Diffuser/Casing	AISI 304
Rubber code	E
Inlet & Outlet chamber	ASTM 25B

INSTALLATION

Connection Code	R
Connection type	Threaded Round flange
Max. pressure (bar)	24
Low/High Temperature()	-15 / 120
Pressure rating	PN25-40
Inlet & Outlet Connection	DN25
Max. Environment temperatu	40

MOTOR

Number of Motor Phases	3~
Protection Class	IP55
Insulation Class	F
Motor Power (kW)	0.55
Frequency(Hz)	50
Rated speed(rpm)	2900
Rated voltage (V)	230/400
Rated current (A)	2.4/1.4
cos	0.82
Energy efficiency Level	IE3

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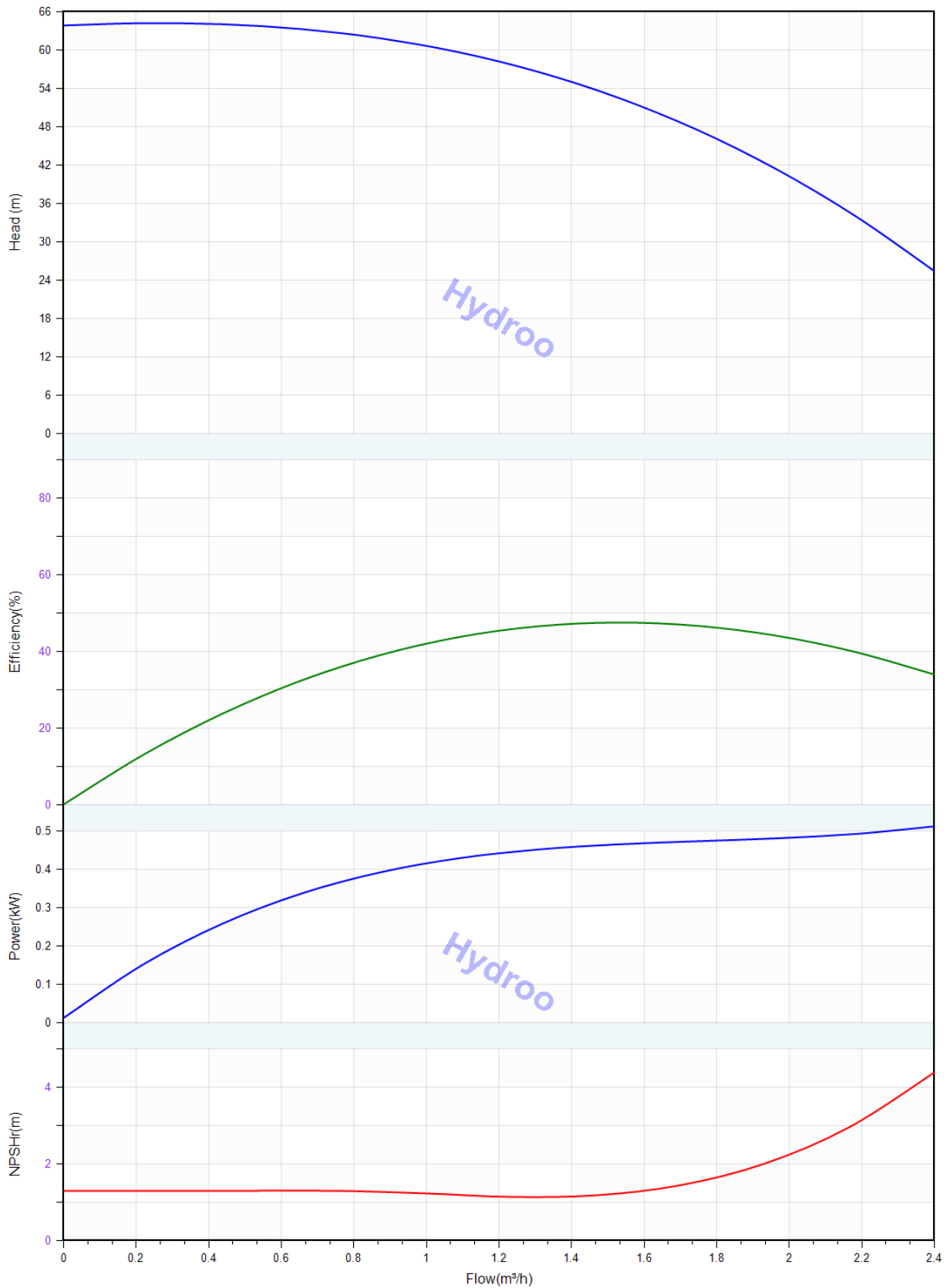
Efficiency100%	69
Efficiency75%	69.1
Efficiency50%	68.2
Drive end bearing	6202ZZ
Non-drive end bearing	6202ZZ
Motor Weight (kg)	7.5

SEAL

Mechanical Seal	D12 WBE4
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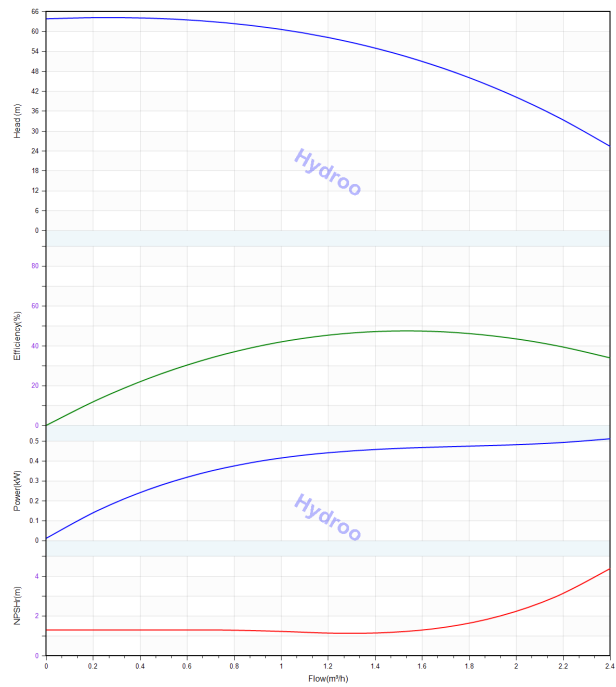
hydroo®	Performance Curve VDROO1-11	Manufacturer	Hydroo
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Medium Name Water , Temperature°C, Density1000kg/m³, Viscosity1mm²/s, (ISO99062012 Grande 3B)

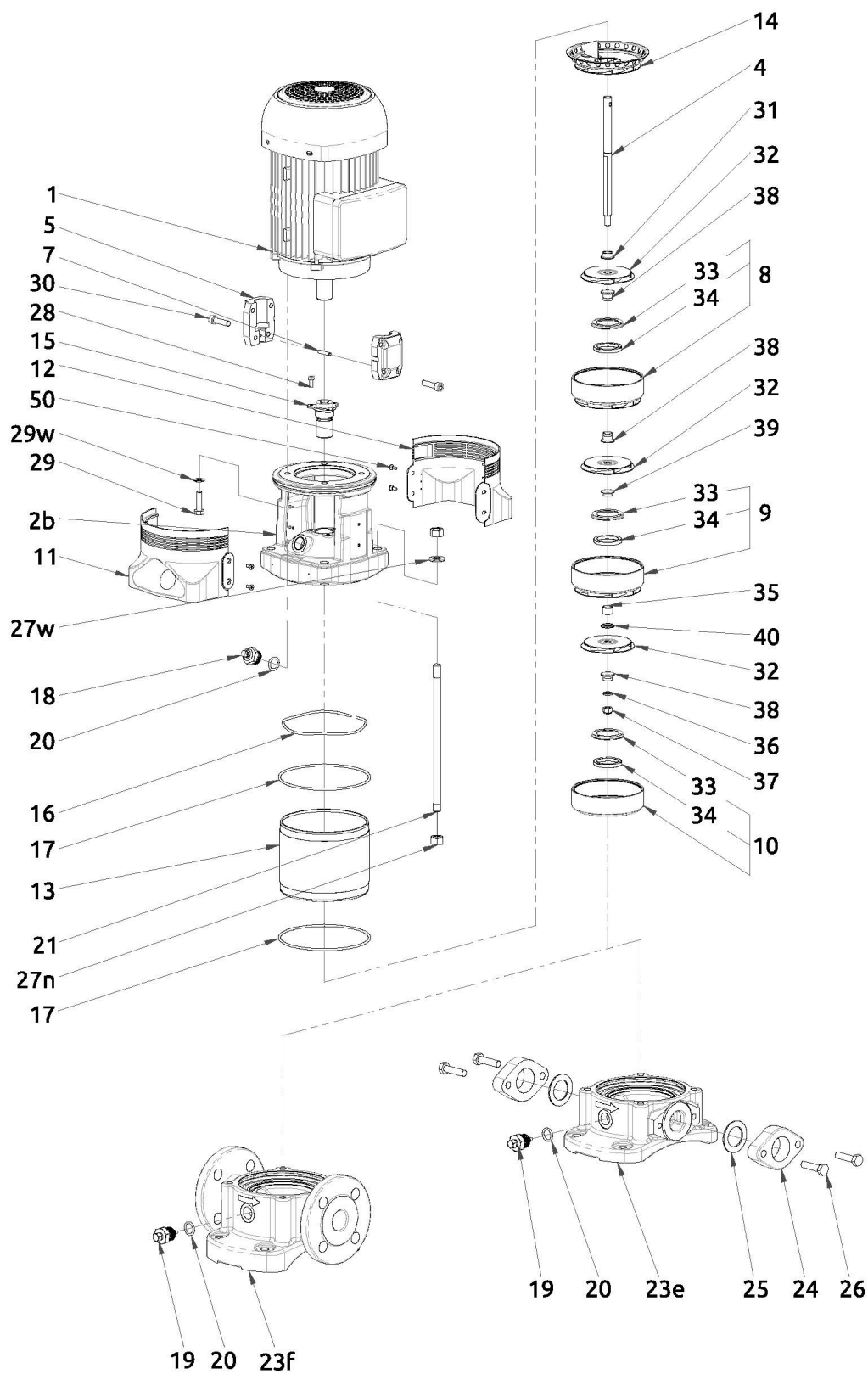


hydroo®	Pump technical parameters VDROO1-11	Manufacturer	Hydroo
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Rated parameters	
Pump model	VDROO1-11
Product No.	VF1-11R 0055 T 2340 5 2 IE3
Rated flow(m³/h)	1
Rated pressure(m)	61
Rated efficiency(%)	42
Power(kW)	0.396
NPSHr(m)	1.3
Speed(rpm)	2900
Medium	
Medium Name	Water
Working temperature(°C)	20
Medium density(kg/m³)	1000
Viscosity(mm²/s)	1



hydroo®	Structure picture VDROO1-11	Manufacturer	Hydroo
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hydroo®	Installation picture VDROO1-11	Manufacturer	Hydroo
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