C.R.I. PUMPS
Pumping trust. Worldwide.

Technical Data

Pump Model
CTC-50/250A

Project Name	: Untitled project 2025-10-30 10:00:52.276	**Project ID** :	
Company Name	:		
Department	:		
Phone number	:		
e-mail address	:		

Requested Data

Flow	: 70.2 m³/h	**Fluid**	: Water
Head	: 65.93 m	**Density**	: 0.9983 kg/dm³
		Viscosity	: 1.005 mm²/s
		Temperature	: 20 °C
		pH-value at t A	:
		Vapour pressure at t A	: 0.0234 bar

Pump

Pump Model	: CTC-50/250A	**Minimum Continuous Flow**		: 28.8 m³/h
No. of Stages	: 1	**Flow**	**Nominal**	: 70.16 m³/h
Inlet / Outlet size	: 65 x 50		**Max-**	: 89.81 m³/h
Speed	: 2900 1/min		**Min-**	: 28.8 m³/h
Direction of Rotation	: Clockwise from the drive end	**Head**	**Nominal**	: 65.28 m
Impeller type	: Radial impeller		**Max-**	: 77.15 m
Impeller Design	: Closed		**Min-**	: 47.15 m
Pumpset Weight (Approx)	: 153 kg	**Efficiency**	**Overall Efficiency**	: 63.23 %
Pump Standard	:		**Pump Efficiency**	: 69.62 %

Motor

Motor Model	: CTC-50/250A	**Insulation Class**	: F
Frequency	: 50 Hz	**Frame size**	: 160
Phase	: 3~	**Degree of Protection**	: IP 55
Rated Voltage	: 380 V	**Method of Starting**	: Star-delta
Rated current	: 35.5 A	**Service factor**	: 1.15
Rated Power P2	: 18.5 kW	**Power factor**	: 0.89
Speed	: 2900 1/min		
Efficiency	: 90.9 %		
Motor Standard	:		

Material of Construction

Pump casing	Cast Iron
Impeller	Cast Iron
Mechanical seal	Sic/Carbon/SS 304
O' Ring	Rubber
Oil Seal	Rubber
Shaft	Carbon Steel
Motor Case	Aluminium
Back Cover	Cast Iron
Fan Cover	Aluminium
Fan	Plastic
Counter/companion Flange	Galvanized Cast Iron

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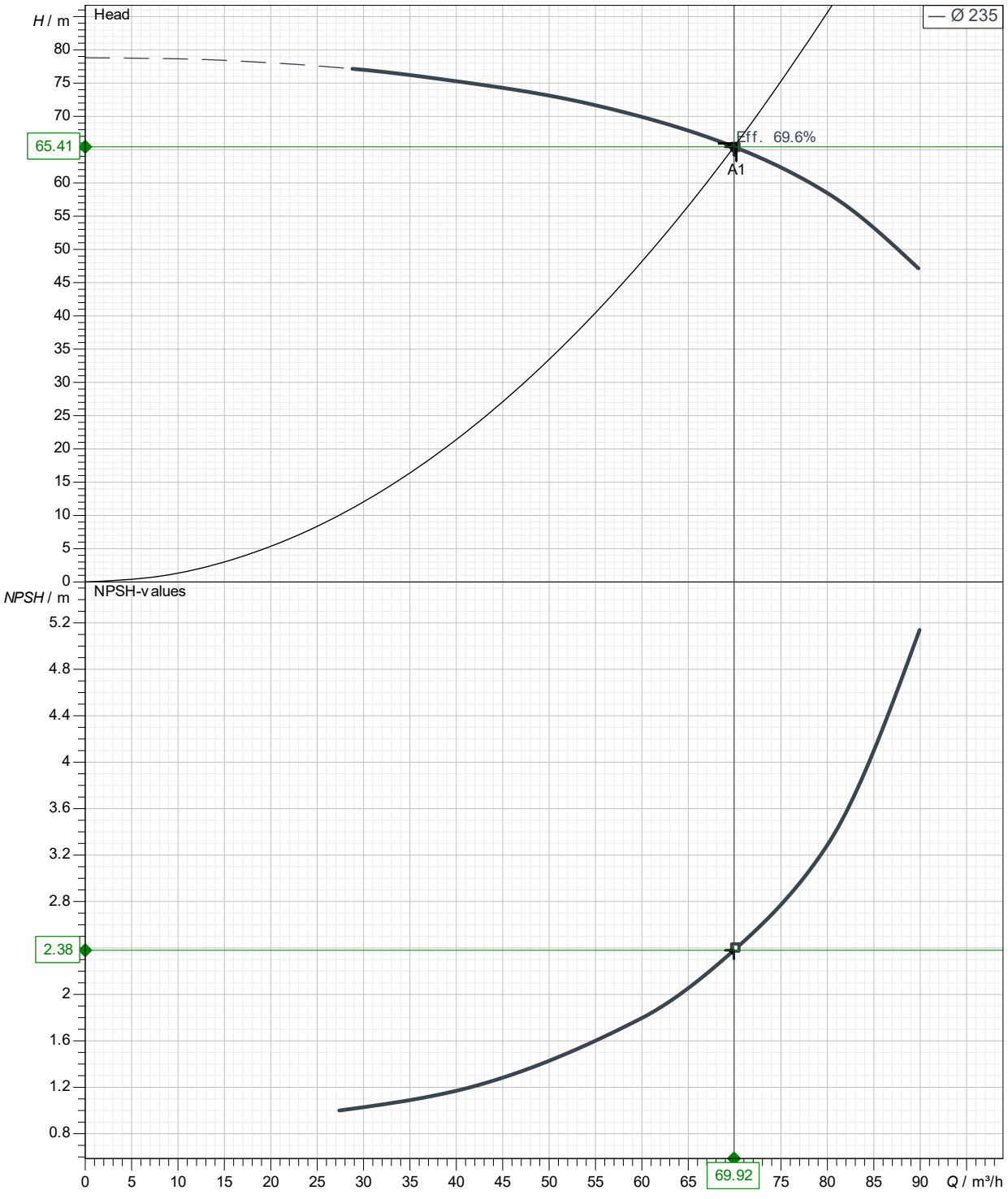
Performance Curve

Pump Model
CTC-50/250A

Project Name : Untitled project 2025-10-30 10:00:52.276	**Project ID :**
Company Name : **Department** : **Phone number** : **e-mail address** :	

Curve Tolerance ISO : 9906

Speed 2900 rpm



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Dimensional Drawing

Pump Model
CTC-50/250A

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Company Name	:		
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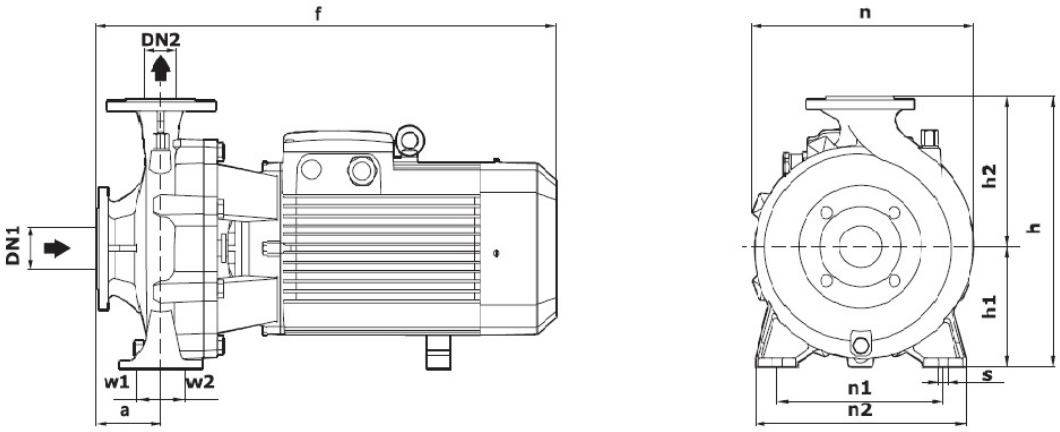

In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

Dimensions in mm

a	102	w1	37
DN1	65	w2	37
DN2	50		
f	720		
h	416		
h1	186		
h2	230		
n	330		
n1	250		
n2	327		