

### Receiver

### From

Society  
Reference  
Address  
Phone  
Fax  
E-mail

#### Item n° :

#### Model :

1 ESYBOX MAX 85/120 T

#### Pump data

Pressure rating : 12 bar (1200 KPa)  
Constant pressure range: 1-12 bar (3 bar by default)  
Min. fluid temperature : 0 °C  
Max. fluid temperature : 50 °C  
Max. Ambient temperature : 55 °C

#### Requested data

Flow :  
Head :  
Fluid : Water  
Fluid Temperature : 20 °C  
Density : 998,3 kg/m<sup>3</sup>  
Kinematic viscosity : 1,005 mm<sup>2</sup>/s  
Vapor pressure : 2,34 kPa

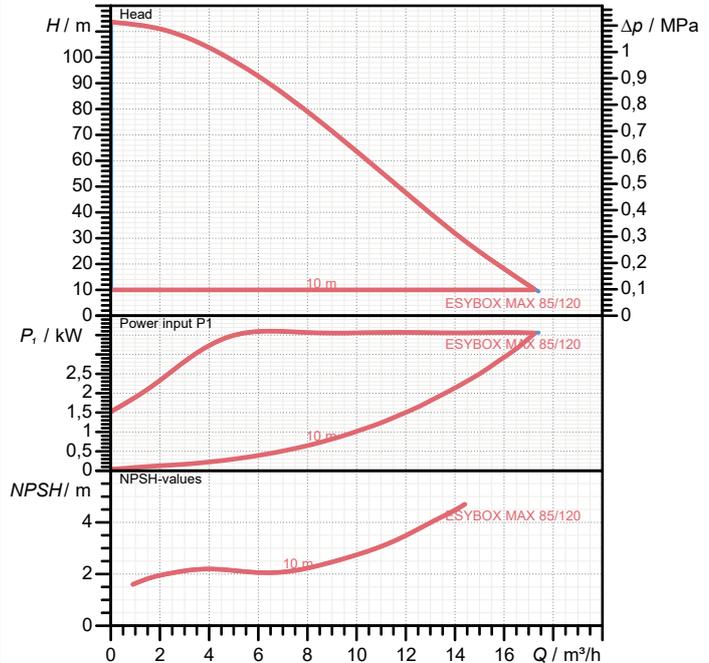
#### Materials

Fitting Technopolymer PA66 30%GF  
Manifold Stainless Steel AISI 304  
Flange Technopolymer PA66 30%GF  
Pump body Technopolymer PA66 30%GF  
Pump body ring Technopolymer PP 30%GF  
Impeller Technopolymer PP 30%GF/AISI 304  
Diffuser Technopolymer PP 30%GF/AISI 304  
Motor axis Stainless Steel AISI 303  
OR ring EPDM  
Motor flange Technopolymer PA66 30%GF  
Mechanical seal Graphite/Stainless Steel/EPDM  
Motor liner Stainless Steel AISI 304  
Motor body Technopolymer PA66 30%GF  
Conveyor tube Technopolymer PP 30%GF  
Pressure sensor Nylon/EPDM  
Non-return valve POM/EPDM/AISI 302  
Non-return valve body Technopolymer PA66 30%GF  
Tank Noryl/Rubber  
Delivery body Technopolymer PA66 30%GF  
Outer liner Stainless Steel AISI 304

#### Motor data

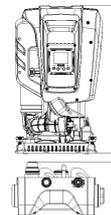
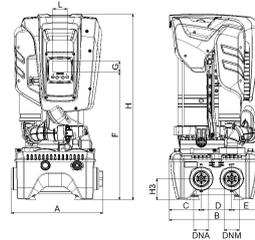
Power input P1 : 1 x 3,5 kW  
Rated speed : 5.350 1/min  
Rated voltage : 3~ 380-460 V 50 Hz  
Nominal current : 1 x 5,5 A  
Degree of protection : IP X5

#### Curve tolerance according to ISO 9906



#### Hydraulic data (duty point)

Flow :  
Head :



#### Dimensions in mm

A	375	E	127,7	H3	87		
B	384	F	526	L	59,5		
C	131,8	G	45				
D	124,5	H	766				
DNA	1"1/4 - :	H1	613				
DNM	1"1/4 - :	H2	228				

Weight : 39 kg

#### Pump connection

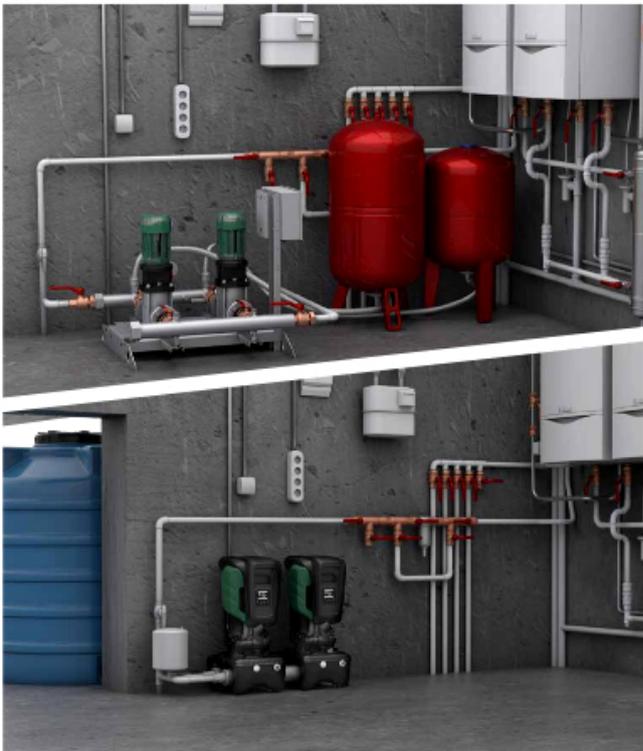
Suction side : 1"1/4 - 2" / 12 bar (1200 KPa)  
Discharge side : 1"1/4 - 2" / 12 bar (1200 KPa)

# ENERGY SAVING

BEFORE

AFTER

- 20%  
Compared with  
traditional inverter pump



**D+CONNECT**  
BUILT-IN



As quick as a "click"



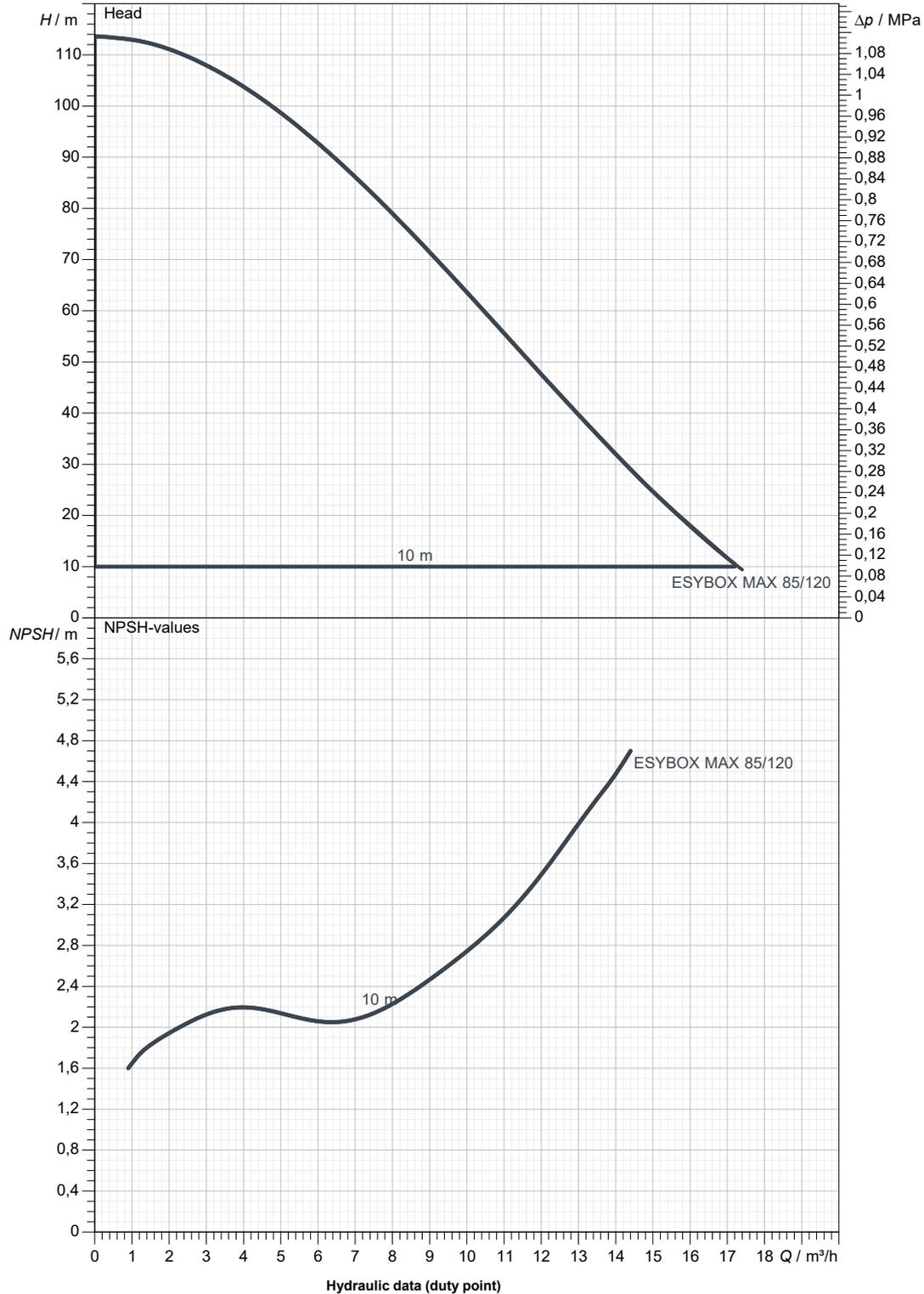
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Curve tolerance according to ISO 9906


 Suction side :  
 1"1/4 - 2"  
 12 bar (1200 KPa)

 Discharge side :  
 1"1/4 - 2"  
 12 bar (1200 KPa)

Flow :

Head :

 Rated speed :  
 5.350 1/min

MAIN\_PROJECT\_TITLE

BUSINESS\_PROCESS\_ID

OWNER\_

ISSUE\_DATE



# DIMENSIONAL DRAWING

2021-03-12

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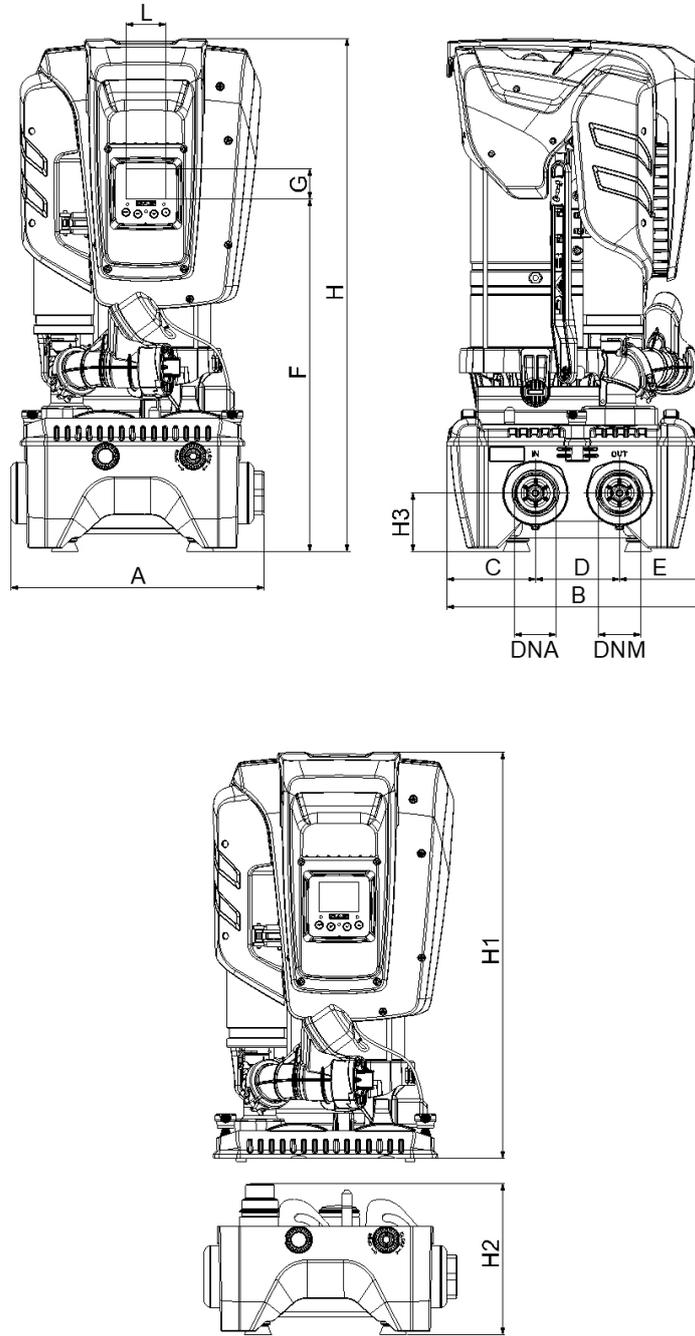
DAB PUMPS S.p.A.  
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy  
Tel. +39 049 5125000 - Fax +39 049 5125950  
www.dabpumps.com

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## 1 ESYBOX MAX 85/120 T



Dimensions in mm					Pump connection
1	A	375	H3	87	Suction 1"1/4 - 2" 12 bar (1200 KPa)  Discharge 1"1/4 - 2" 12 bar (1200 KPa)
2	B	384	L	59,5	
3	C	131,8			
4	D	124,5			
5	DNA	1"1/4 - 2"			
6	DNM	1"1/4 - 2"			
7	E	127,7			
8	F	526			
9	G	45			
10	H	766			
11	H1	613			
12	H2	228			

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