

## Receiver

## From

Company  
Reference  
Address  
Phone  
Fax  
E-mail

### Item n° :

60195100

### Customer pos. no.:

### Model :

1 ESY BOX MAX 85/120 T

Esybox Max with Esydock

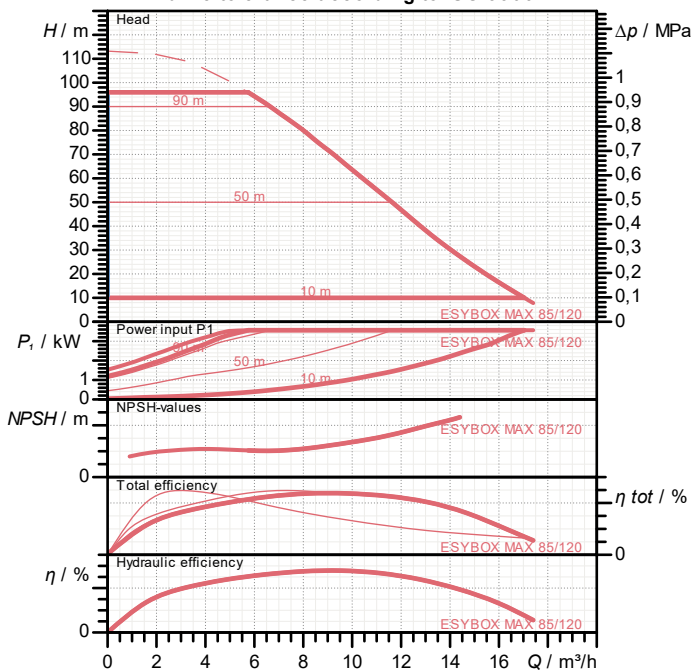
### Pump data

Pressure rating : 1,2 MPa  
Constant pressure range : 0,1 - 1,2 MPa(0,3 MPa 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/m³  
Kinematic viscosity : 1,005 mm²/s  
Vapor pressure : 0,00 MPa

### Curve tolerance according to ISO 9906

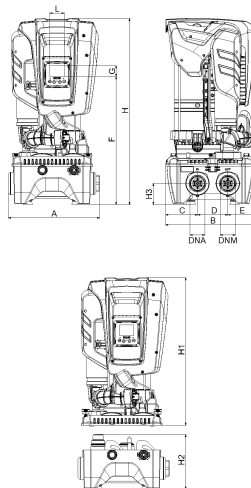


### Materials

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  
O-Ring: EPDM  
Motor flange: Technopolymer PA66 30%GF  
Mechanical seal: Impregnated carbon-resin/Silicon carbide/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

### 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 - 2" | H1 | 613   |    |      |
| DNM | 1"1/4 - 2" | H2 | 228   |    |      |

Weight : 39 kg

### Pump connection

Suction side : 1"1/4 - 2" G / 1,2 MPa  
Discharge side : 1"1/4 - 2" G / 1,2 MPa

### Motor data

Max. Power input P1 : 1 x 3,5 kW  
Maximum speed : 5.350 1/min  
Rated voltage : 3~ 380-480 V 50 Hz  
Nominal current : 1 x 5,5 A  
Degree of protection : IP X5

## ENERGY SAVING

BEFORE

AFTER

- **20%**  
Compared with  
traditional inverter pump



**D+CONNECT**  
BUILT-IN



As quick as a "click"



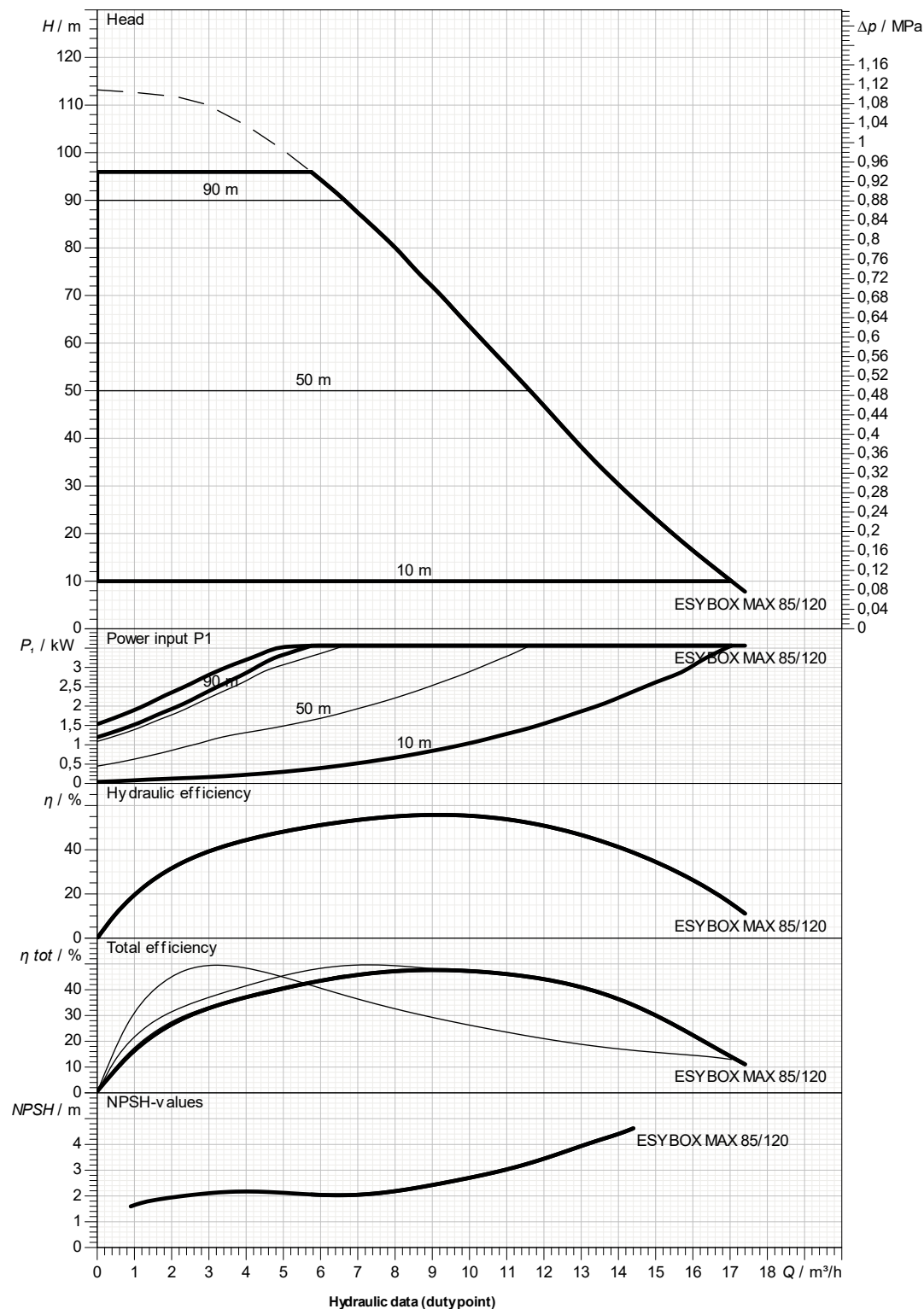
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## 1 ESYBOX MAX 85/120 T

Curve tolerance according to ISO 9906



Suction side :  
1"1/4 - 2" G  
1,2 MPa

Discharge side :  
1"1/4 - 2" G  
1,2 MPa

Flow :

Head :

Rated speed :  
5.350 1/min

Project

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Created by

Created on

2024-11-05



## DIMENSIONAL DRAWING

2024-11-05

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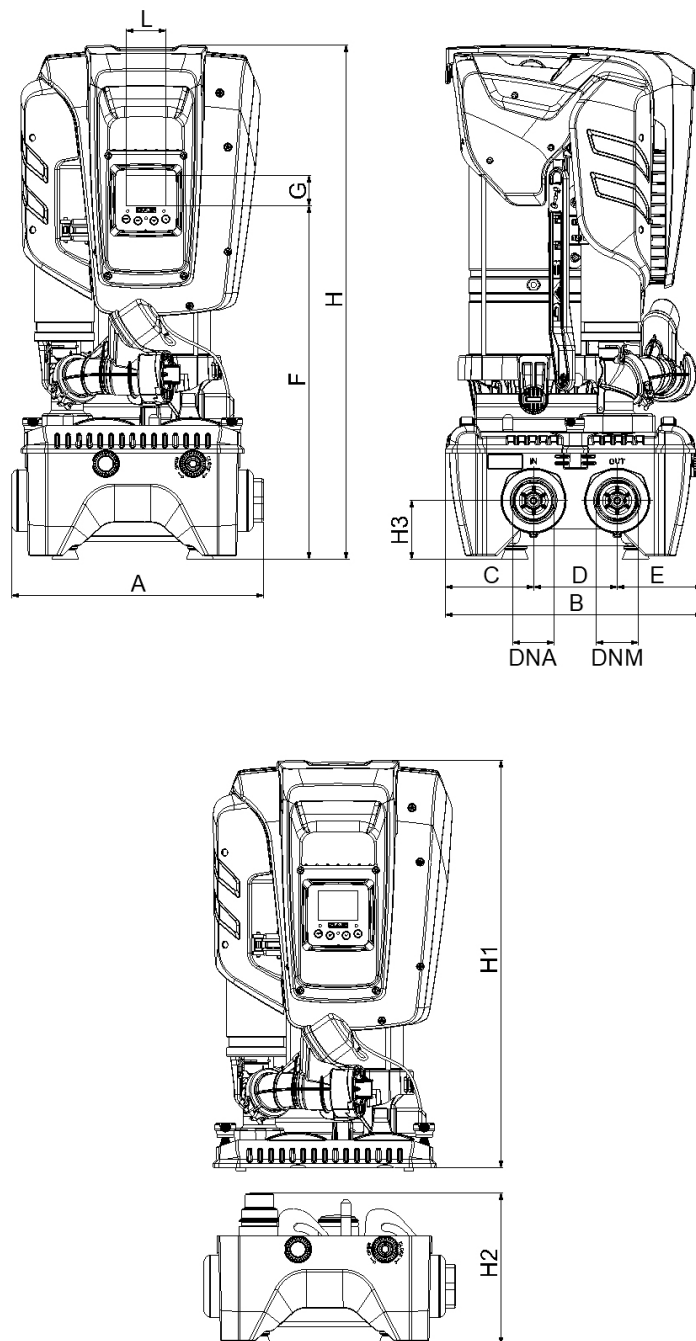
DAB PUMPS S.p.A.  
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy  
Tel. +39 049 5125000 - Fax +39 049 5125950  
www.dabpumps.com

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### 1 ESYBOX MAX 85/120 T



Dimensions in mm

Pump connection

|    |     |            |    |      |  |  |  |  |  |              |
|----|-----|------------|----|------|--|--|--|--|--|--------------|
| 1  | A   | 375        | H2 | 228  |  |  |  |  |  |              |
| 2  | B   | 384        | H3 | 87   |  |  |  |  |  |              |
| 3  | C   | 131,8      | L  | 59,5 |  |  |  |  |  | Suction      |
| 4  | D   | 124,5      |    |      |  |  |  |  |  | 1"1/4 - 2" G |
| 5  | DNA | 1"1/4 - 2" |    |      |  |  |  |  |  | 1,2 MPa      |
| 6  | DNM | 1"1/4 - 2" |    |      |  |  |  |  |  |              |
| 7  | E   | 127,7      |    |      |  |  |  |  |  | Discharge    |
| 8  | F   | 526        |    |      |  |  |  |  |  | 1"1/4 - 2" G |
| 9  | G   | 45         |    |      |  |  |  |  |  | 1,2 MPa      |
| 10 | H   | 766        |    |      |  |  |  |  |  |              |
| 11 | H1  | 613        |    |      |  |  |  |  |  |              |

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