

NEW

Technical Sheet

# EUROSWIM

DAB swimming pool pump

Range, specifications and performance



**DAB**  
PUMP PERFORMANCE

# EUROSWIM: THE WINNING FEATURES



## **MOTOR OUTPUT RANGE FROM 0.5 HP TO 3 HP**

Wide coverage of all requirements on the domestic and residential market.



## **LARGE SIZE PREFILTER**

Limits the risk of clogging, facilitates cleaning and reduces the frequency of maintenance.



## **ULTRA SILENT MOTOR WITH TOP PERFORMANCE RATING**

The low sound emissions (64-67dBA) and high operating efficiency conceal the fact that there is a filtration pump at all, reducing energy consumption and respecting the environment.



## **RELIABLE AND READY TO USE**

Thanks to the 2" threaded suction and discharge ports reinforced with metal rings.





## APPLICATIONS

Self-priming centrifugal **high performance** electric pumps with incorporated high capacity pre-filter. **Completely watertight motor**. Extremely **silent** and **highly reliable**, developed for the circulation and filtration of water in

domestic and residential swimming pools. Suitable also for special applications requiring handling of aggressive liquids, such as in fish farming, agriculture and industry.

## PUMP CONSTRUCTION CHARACTERISTICS

Pump body and pre-filter ring nut in technopolymer reinforced with glass fibre. Pre-filter cover in transparent anti-oxidising polycarbonate to guarantee constant visibility over time. Filter in nylon. Impeller in technopolymer reinforced with glass fibre, developed to guarantee total coverage and separation of motor

shaft from the pumped liquid. Diffuser in reinforced technopolymer. Mechanical seal in carbon /alumina / NBR / AISI 316. Pump body O-ring in NBR, screws and reinforcement ring nuts in AISI 316 stainless steel. Butterfly filling and drain caps do not require special tools for removal or refitting.

## MOTOR CONSTRUCTION CHARACTERISTICS

Continuous duty asynchronous motor (S1) 2-pole with wide range of outputs from 0.5 HP to 3 HP both single and three phase (see technical specifications). Motor housing in die cast aluminium with cathaphoresis paint treatment to prevent oxidation also in aggressive environments. Support base supplied as standard with rubber feet to dampen vibrations. Single phase version with built-in thermal and current overload protection and a capacitor permanently on (PSC), assembled inside the terminal board box on all versions.

Protection rating of motor and terminal board box. IP55  
Insulation class: F

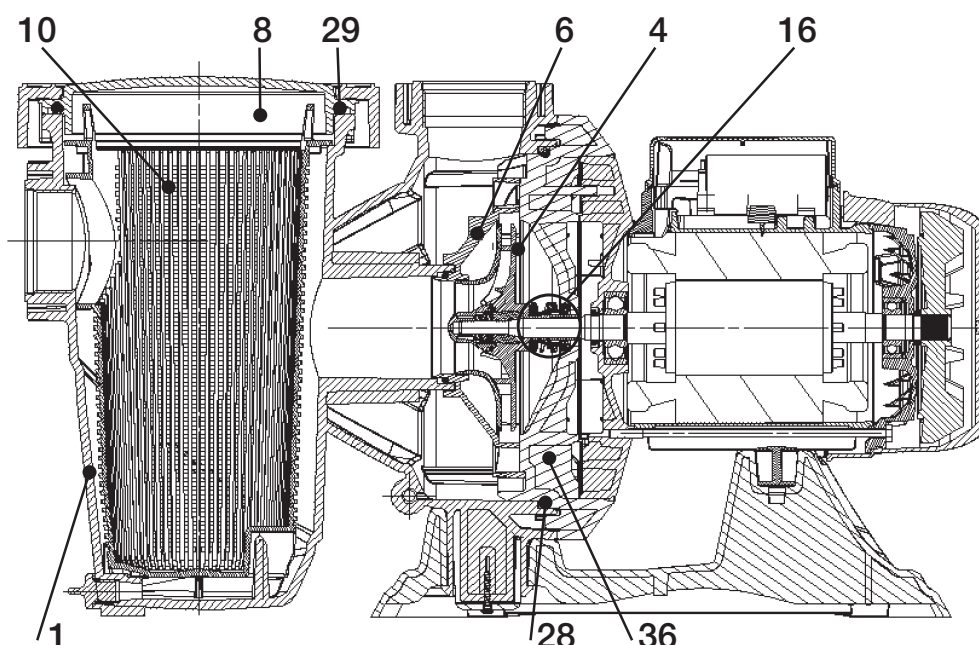
Ball bearings: water-proof – watertight, resistant to water and humidity.

Motor built to EN 60335-2-41 standards.

Standard voltage: Single phase 220-240V 50Hz  
Three phase 230/400V 50Hz

## TECHNICAL DATA

|                                   |                                                                                                                                                                                                                                                          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating range:                  | up to 42 to m <sup>3</sup> /h with head up to 22 m.                                                                                                                                                                                                      |
| Characteristics of pumped liquid: | clean water or water slightly contaminated with suspended solid bodies, long fibres; particularly aggressive water with high percentages of chlorine/bromine and PHMB (Polyhexamethylene Biguanide) or water treated with chlorine electrolysis process. |
| PH range:                         | 6.5 – 8.4                                                                                                                                                                                                                                                |
| Liquid temperature range:         | <b>up to 60°C</b>                                                                                                                                                                                                                                        |
| Maximum ambient temperature:      | <b>50°C</b>                                                                                                                                                                                                                                              |
| Maximum working pressure:         | 2.5 bar                                                                                                                                                                                                                                                  |
| Nominal operating pressure:       | 0.8 – 1.2 Bar (ideal 1 Bar)                                                                                                                                                                                                                              |
| Installation:                     | fixed or portable in horizontal position                                                                                                                                                                                                                 |
| Special versions on request:      | high frequencies and/or voltages                                                                                                                                                                                                                         |
| Unions on request:                | kit 2"/50 - 63 (two unions + O-ring - see "Accessories")                                                                                                                                                                                                 |
| Reference standard:               | IEC - 60364                                                                                                                                                                                                                                              |



| N. | PARTS (*)       | MATERIALS                               |
|----|-----------------|-----------------------------------------|
| 1  | PUMP BODY       | REINFORCED TECHNOPOLYMER                |
| 4  | IMPELLER        | REINFORCED TECHNOPOLYMER                |
| 6  | DIFFUSER        | REINFORCED TECHNOPOLYMER                |
| 8  | FILTER COVER    | POLYCARBONATE                           |
| 10 | FILTER          | TECHNOPOLYMER                           |
| 16 | MECHANICAL SEAL | CARBON/ALUMINA/NBR/AISI316              |
| 28 | O-RING          | NBR                                     |
| 29 | O-RING          | NBR                                     |
| 36 | SEAL DISC       | REINFORCED AND STABILISED TECHNOPOLYMER |

\*EN CONTACT WITH THE LIQUID



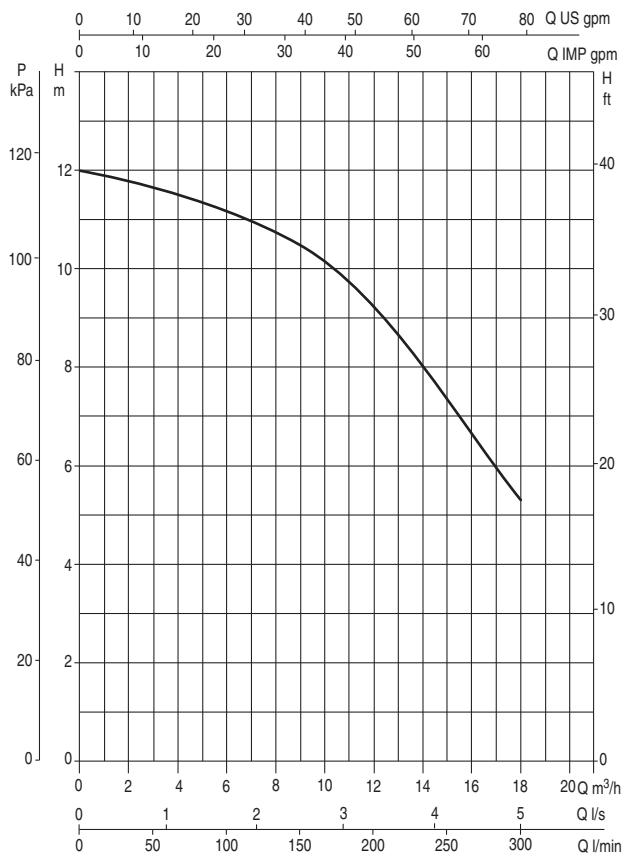
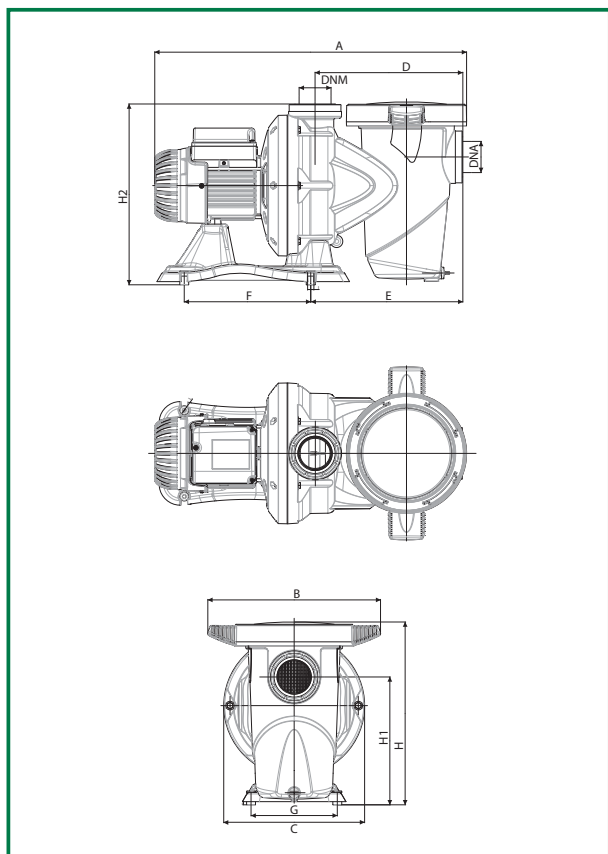
# EUROSWIM 50

## HYDRAULIC DATA

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and densities equivalent to 1000 Kg/m<sup>3</sup>. Curves tolerance in compliance with ISO 9906.

Liquid temperature range: from 0 °C to +60°C

Maximum ambient temperature: +50°C



## DIMENSIONS AND WEIGHTS

| MODEL         | A   | B   | C   | D   | E   | F   | G   | H   | H1  | H2  | I  | L   | DNA | DNM | N. PARTS | PACK DIMENSIONS |     |     | VOLUME | GROSS WEIGHT |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----------|-----------------|-----|-----|--------|--------------|
|               |     |     |     |     |     |     |     |     |     |     |    |     |     |     |          | L/A             | L/B | H   | m³     | Kg           |
| EUROSWIM 50 M | 536 | 242 | 245 | 257 | 265 | 220 | 150 | 351 | 222 | 314 | 11 | 6,5 | G2" | G2" | 8        | 600             | 360 | 400 | 0,09   | 11,1         |

## ELECTRIC DATA

| MODEL         | ELECTRIC DATA             |                |               |     |             |           |     | MAX. NOISE LEVEL<br><br>dB (A) | Q<br>m³/h<br>l/min | HYDRAULIC DATA |      |      |      |     |     |
|---------------|---------------------------|----------------|---------------|-----|-------------|-----------|-----|--------------------------------|--------------------|----------------|------|------|------|-----|-----|
|               | POWER SUPPLY<br><br>50 Hz | P1<br>MAX<br>W | P2<br>NOMINAL |     | In<br><br>A | CAPACITOR |     |                                |                    | 0              | 3    | 6    | 9    | 12  | 18  |
|               |                           |                | kW            | HP  |             | μF        | Vc  |                                |                    | 0              | 50   | 100  | 150  | 200 | 300 |
| EUROSWIM 50 M | 1x220-240 V ~             | 900            | 0,33          | 0,5 | 4,2         | 16        | 450 | 53                             | H<br>(m)           | 12,0           | 11,7 | 11,2 | 10,5 | 9,3 | 5,3 |

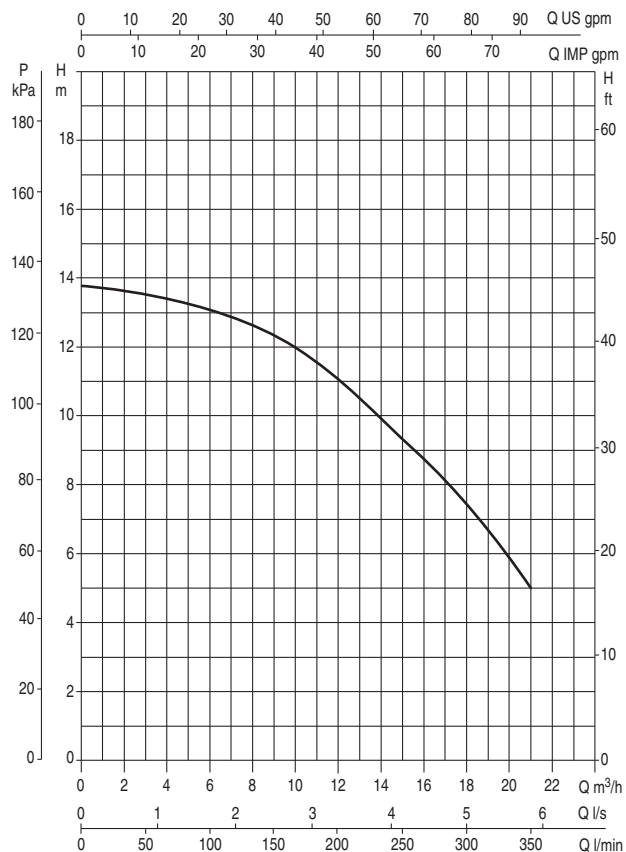
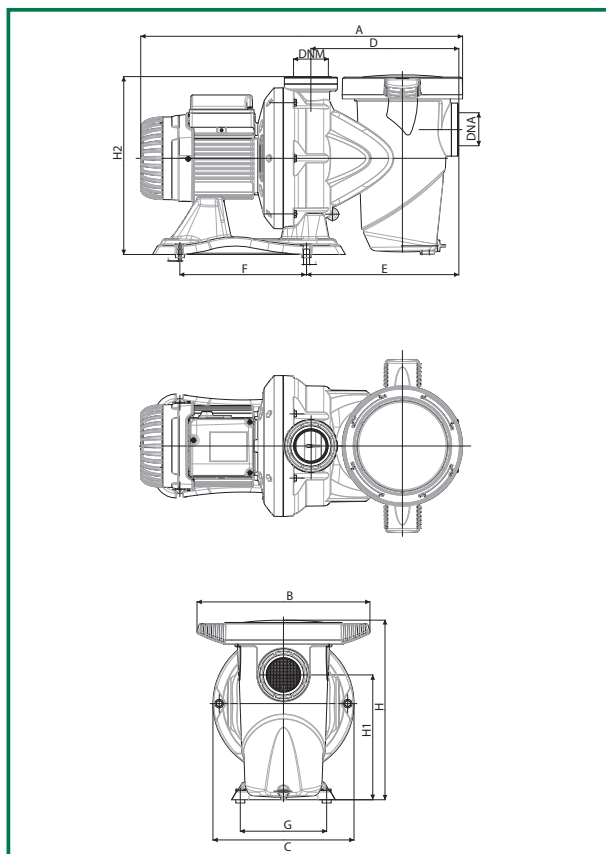
# EUROSWIM 75

## HYDRAULIC DATA

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and densities equivalent to 1000 Kg/m<sup>3</sup>. Curves tolerance in compliance with ISO ISO 9906.

Liquid temperature range: from 0 °C to +60°C

Maximum ambient temperature: +50°C



## DIMENSIONS AND WEIGHTS

| MODEL         | A   | B   | C   | D   | E   | F   | G   | H   | H1  | H2  | I  | L   | DNA | DNM | N. PARTS | PACK DIMENSIONS |     |     | VOLUME m <sup>3</sup> | GROSS WEIGHT Kg |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----------|-----------------|-----|-----|-----------------------|-----------------|
|               |     |     |     |     |     |     |     |     |     |     |    |     |     |     |          | L/A             | L/B | H   |                       |                 |
| EUROSWIM 75 M | 552 | 242 | 245 | 257 | 265 | 220 | 150 | 351 | 222 | 314 | 11 | 6,5 | G2" | G2" | 8        | 600             | 360 | 400 | 0,09                  | 12,1            |
| EUROSWIM 75 T | 552 | 242 | 245 | 257 | 265 | 220 | 150 | 351 | 222 | 314 | 11 | 6,5 | G2" | G2" | 8        | 600             | 360 | 400 | 0,09                  | 12,1            |

## ELECTRIC DATA

| MODEL         | ELECTRIC DATA             |                |               |      |             |           |     | MAX. NOISE LEVEL<br><br>dB (A) | Q<br>m³/h<br>l/min | HYDRAULIC DATA |      |      |      |      |     |    |
|---------------|---------------------------|----------------|---------------|------|-------------|-----------|-----|--------------------------------|--------------------|----------------|------|------|------|------|-----|----|
|               | POWER SUPPLY<br><br>50 Hz | P1<br>MAX<br>W | P2<br>NOMINAL |      | In<br><br>A | CAPACITOR |     |                                |                    | 0              | 3    | 6    | 9    | 12   | 18  | 21 |
|               |                           |                | kW            | HP   |             | μF        | Vc  |                                |                    |                |      |      |      |      |     |    |
|               |                           |                |               |      |             |           |     |                                |                    |                |      |      |      |      |     |    |
| EUROSWIM 75 M | 1x220-240 V ~             | 1000           | 0,5           | 0,75 | 5           | 20        | 450 | 56                             | H<br>(m)           | 13,8           | 13,5 | 13,1 | 12,4 | 11,1 | 7,5 | 5  |
| EUROSWIM 75 T | 3x230-400 V ~             | 950            | 0,5           | 0,75 | 3,5 / 2     | –         | –   | 56                             |                    | 13,8           | 13,5 | 13,1 | 12,4 | 11,1 | 7,5 | 5  |

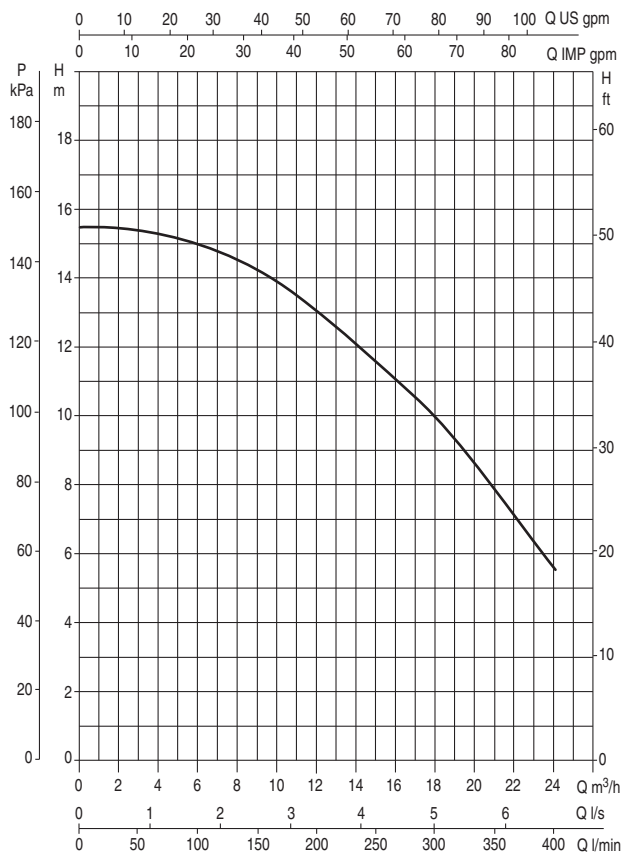
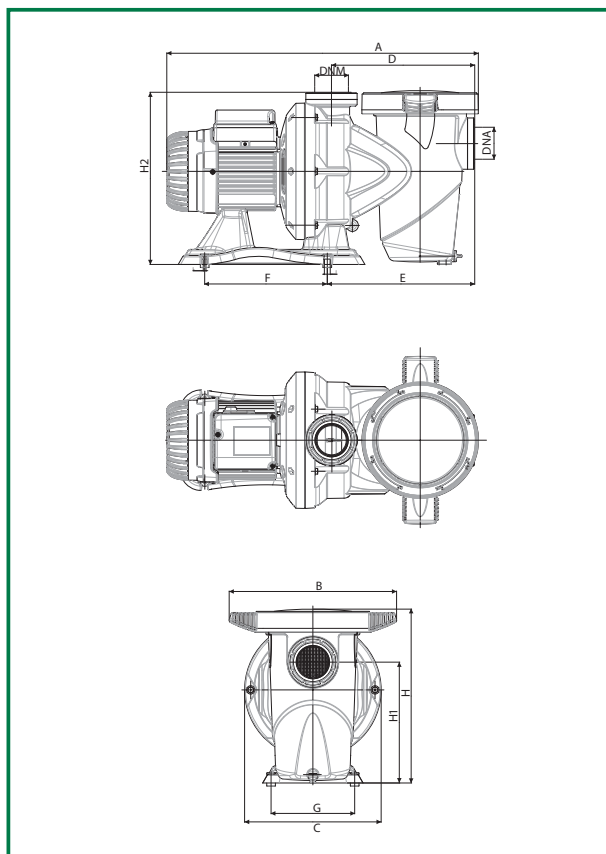
# EUROSWIM 100

## HYDRAULIC DATA

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and densities equivalent to 1000 Kg/m<sup>3</sup>. Curves tolerance in compliance with ISO 9906.

Liquid temperature range: from 0 °C to +60°C

Maximum ambient temperature: +50°C



## DIMENSIONS AND WEIGHTS

| MODEL          | A   | B   | C   | D   | E   | F   | G   | H   | H1  | H2  | I  | L   | DNA | DNM | N. PARTS | PACK DIMENSIONS |     |     | VOLUME m <sup>3</sup> | GROSS WEIGHT Kg |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----------|-----------------|-----|-----|-----------------------|-----------------|
|                |     |     |     |     |     |     |     |     |     |     |    |     |     |     |          | L/A             | L/B | H   |                       |                 |
| EUROSWIM 100 M | 552 | 242 | 245 | 257 | 265 | 220 | 150 | 351 | 222 | 314 | 11 | 6,5 | G2" | G2" | 8        | 600             | 360 | 400 | 0,09                  | 13,8            |
| EUROSWIM 100 T | 552 | 242 | 245 | 257 | 265 | 220 | 150 | 351 | 222 | 314 | 11 | 6,5 | G2" | G2" | 8        | 600             | 360 | 400 | 0,09                  | 13,8            |

## ELECTRIC DATA

| MODEL          | ELECTRIC DATA             |                |               |    |             |           |     | MAX. NOISE LEVEL<br><br>dB (A) | Q<br>m³/h<br>l/min | HYDRAULIC DATA |      |     |      |      |      |     |     |
|----------------|---------------------------|----------------|---------------|----|-------------|-----------|-----|--------------------------------|--------------------|----------------|------|-----|------|------|------|-----|-----|
|                | POWER SUPPLY<br><br>50 Hz | P1<br>MAX<br>W | P2<br>NOMINAL |    | In<br><br>A | CAPACITOR |     |                                |                    | 0              | 3    | 6   | 9    | 12   | 18   | 21  | 24  |
|                |                           |                | kW            | HP |             | μF        | Vc  |                                |                    | 0              | 50   | 100 | 150  | 200  | 300  | 350 | 400 |
| EUROSWIM 100 M | 1x220-240 V ~             | 1300           | 0,75          | 1  | 6,3         | 25        | 450 | 57                             | H<br>(m)           | 15,4           | 15,4 | 15  | 14,2 | 13,1 | 10,0 | 7,8 | 5,6 |
| EUROSWIM 100 T | 3x230-400 V ~             | 1200           | 0,75          | 1  | 4 / 2,4     | –         | –   | 57                             |                    | 15,4           | 15,4 | 15  | 14,2 | 13,1 | 10,0 | 7,8 | 5,6 |

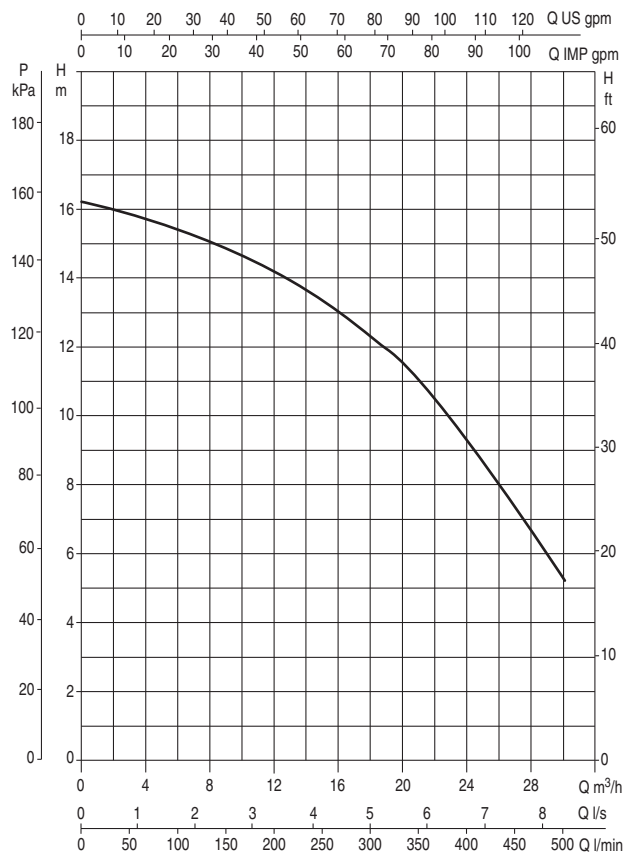
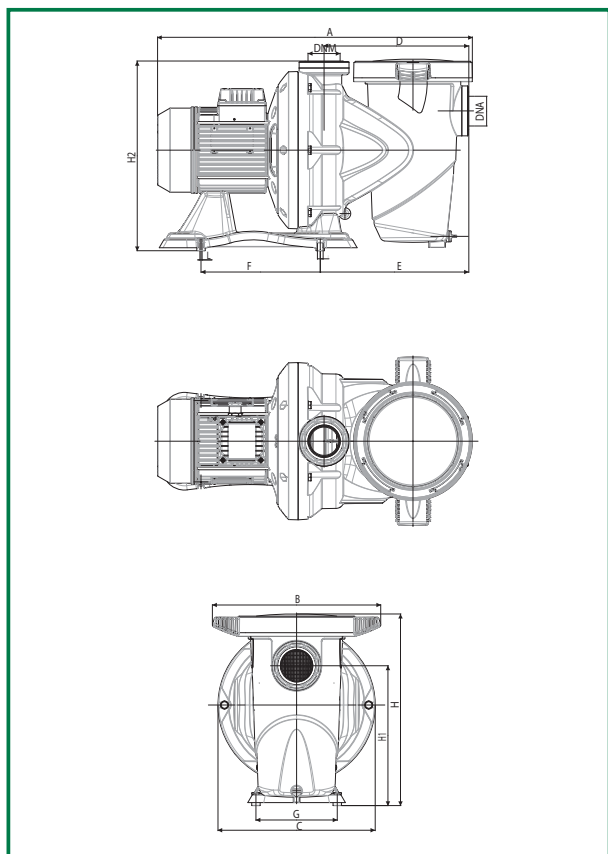
# EUROSWIM 150

## HYDRAULIC DATA

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and densities equivalent to 1000 Kg/m<sup>3</sup>. Curves tolerance in compliance with ISO 9906.

Liquid temperature range: from 0 °C to +60°C

Maximum ambient temperature: +50°C



## DIMENSIONS AND WEIGHTS

| MODEL                 | A   | B   | C   | D   | E   | F   | G   | H   | H1  | H2  | I  | L   | DNA | DNM | N. PARTS | PACK DIMENSIONS |     |     | VOLUME m <sup>3</sup> | GROSS WEIGHT Kg |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----------|-----------------|-----|-----|-----------------------|-----------------|
|                       |     |     |     |     |     |     |     |     |     |     |    |     |     |     |          | L/A             | L/B | H   |                       |                 |
| <b>EUROSWIM 150 M</b> | 574 | 250 | 290 | 267 | 274 | 220 | 150 | 387 | 258 | 350 | 11 | 6,5 | G2" | G2" | 6        | 720             | 350 | 430 | 0,11                  | 17,9            |
| <b>EUROSWIM 150 T</b> | 574 | 250 | 290 | 267 | 274 | 220 | 150 | 387 | 258 | 350 | 11 | 6,5 | G2" | G2" | 6        | 720             | 350 | 430 | 0,11                  | 16,7            |

## ELECTRIC DATA

| MODEL          | ELECTRIC DATA             |                |               |     |             |           |     | MAX. NOISE LEVEL<br><br>dB (A) | Q<br>m³/h<br>l/min | HYDRAULIC DATA |      |      |      |      |      |      |     |     |
|----------------|---------------------------|----------------|---------------|-----|-------------|-----------|-----|--------------------------------|--------------------|----------------|------|------|------|------|------|------|-----|-----|
|                | POWER SUPPLY<br><br>50 Hz | P1<br>MAX<br>W | P2<br>NOMINAL |     | In<br><br>A | CAPACITOR |     |                                |                    | 0              | 3    | 6    | 9    | 12   | 18   | 21   | 24  | 30  |
|                |                           |                | kW            | HP  |             | µF        | Vc  |                                |                    |                |      |      |      |      |      |      |     |     |
| EUROSWIM 150 M | 1x220-240 V ~             | 1600           | 1,1           | 1,5 | 7           | 31,5      | 450 | 59                             | H<br>(m)           | 16,2           | 15,9 | 15,4 | 14,9 | 14,2 | 12,4 | 11,1 | 9,3 | 5,3 |
| EUROSWIM 150 T | 3x230-400 V ~             | 1500           | 1,1           | 1,5 | 5 / 2,9     | –         | –   | 59                             |                    | 16,2           | 15,6 | 15,2 | 14,6 | 13,9 | 12,4 | 11,1 | 9,3 | 5,3 |



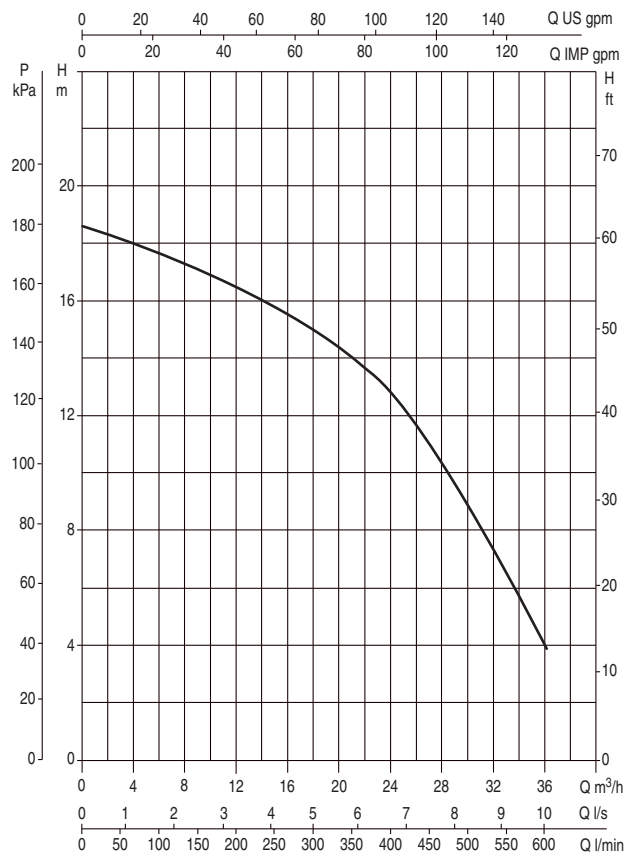
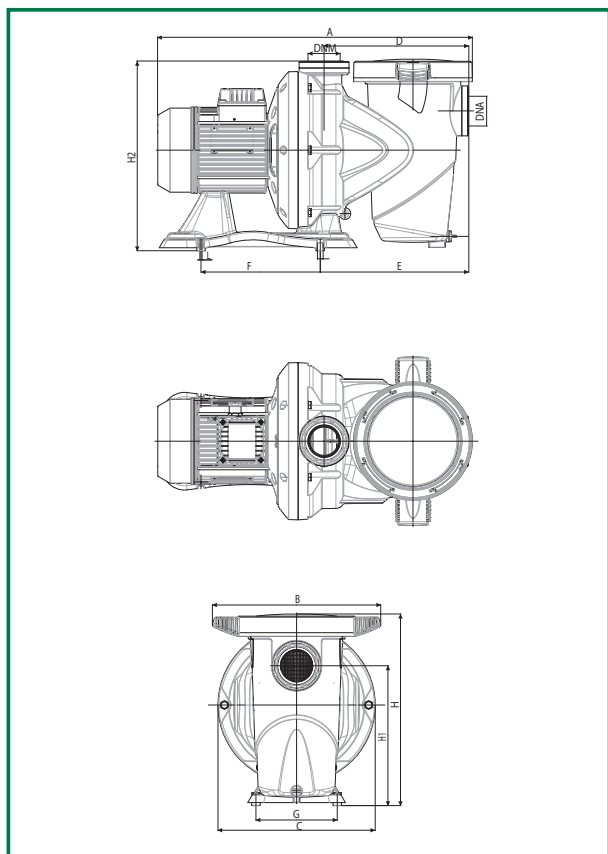
# EUROSWIM 200

## HYDRAULIC DATA

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and densities equivalent to 1000 Kg/m<sup>3</sup>. Curves tolerance in compliance with ISO 9906.

Liquid temperature range: from 0 °C to +60°C

Maximum ambient temperature: +50°C



## DIMENSIONS AND WEIGHTS

| MODELO         | A   | B   | C   | D   | E   | F   | G   | H   | H1  | H2  | I  | L   | DNA | DNM | N. PARTS | PACK DIMENSIONS |     |     | VOLUME m³ | GROSS WEIGHT Kg |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----------|-----------------|-----|-----|-----------|-----------------|
|                |     |     |     |     |     |     |     |     |     |     |    |     |     |     |          | L/A             | L/B | H   |           |                 |
| EUROSWIM 200 M | 648 | 250 | 290 | 267 | 274 | 220 | 150 | 387 | 258 | 350 | 11 | 6,5 | G2" | G2" | 6        | 720             | 350 | 430 | 0,11      | 20              |
| EUROSWIM 200 T | 574 | 250 | 290 | 267 | 274 | 220 | 150 | 387 | 258 | 350 | 11 | 6,5 | G2" | G2" | 6        | 720             | 350 | 430 | 0,11      | 17,6            |

## ELECTRIC DATA

| MODEL          | ELECTRIC DATA             |                |               |    |             |           |     | MAX. NOISE LEVEL<br><br>dB (A) | Q<br>m³/h<br>l/min | HYDRAULIC DATA |      |      |      |      |      |      |      |     |    |
|----------------|---------------------------|----------------|---------------|----|-------------|-----------|-----|--------------------------------|--------------------|----------------|------|------|------|------|------|------|------|-----|----|
|                | POWER SUPPLY<br><br>50 Hz | P1<br>MAX<br>W | P2<br>NOMINAL |    | In<br><br>A | CAPACITOR |     |                                |                    | 0              | 3    | 6    | 9    | 12   | 18   | 21   | 24   | 30  | 36 |
|                |                           |                | kW            | HP |             | µF        | Vc  |                                |                    |                |      |      |      |      |      |      |      |     |    |
| EUROSWIM 200 M | 1x220-240 V ~             | 1900           | 1,5           | 2  | 8,6         | 40        | 450 | 62                             | H<br>(m)           | 18,6           | 18,2 | 17,7 | 17,1 | 16,5 | 15,0 | 14,1 | 12,8 | 9,0 | 4  |
| EUROSWIM 200 T | 3x230-400 V ~             | 1900           | 1,5           | 2  | 6 / 3,5     | –         | –   | 62                             |                    | 18,6           | 18,2 | 17,7 | 17,1 | 16,5 | 15,0 | 14,1 | 12,8 | 9,0 | 4  |

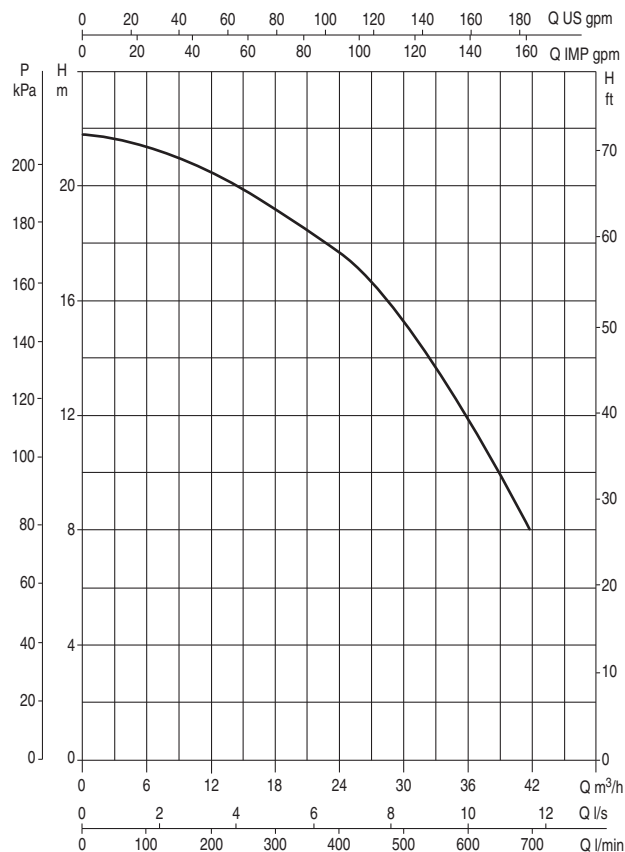
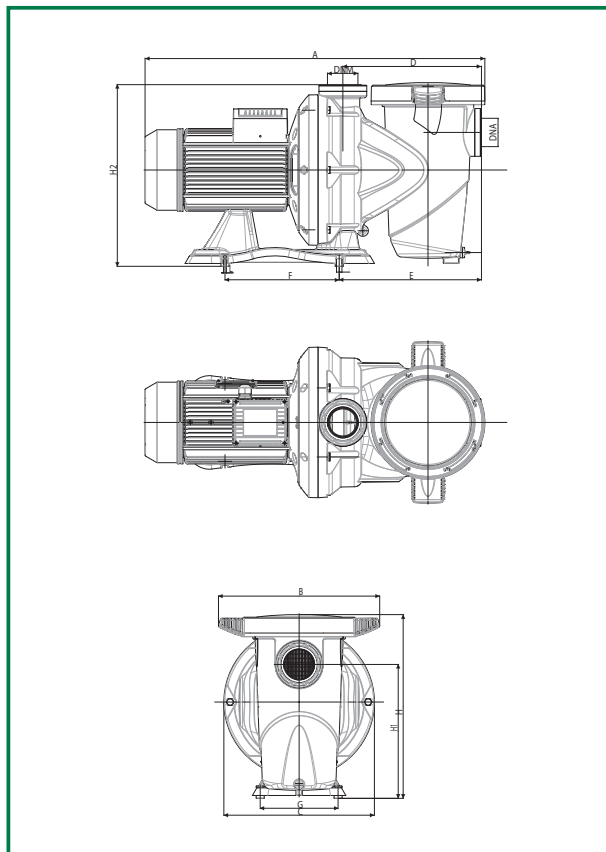
# EUROSWIM 300

## HYDRAULIC DATA

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and densities equivalent to 1000 Kg/m<sup>3</sup>. Curves tolerance in compliance with ISO 9906.

Liquid temperature range: from 0 °C to +60°C

Maximum ambient temperature: +50°C



## DIMENSIONS AND WEIGHTS

| MODEL          | A   | B   | C   | D   | E   | F   | G   | H   | H1  | H2  | I  | L   | DNA | DNM | N. PARTS | PACK DIMENSIONS |     |     | VOLUME m³ | GROSS WEIGHT Kg |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----------|-----------------|-----|-----|-----------|-----------------|
|                |     |     |     |     |     |     |     |     |     |     |    |     |     |     |          | L/A             | L/B | H   |           |                 |
| EUROSWIM 300 M | 648 | 252 | 290 | 267 | 274 | 220 | 150 | 387 | 258 | 350 | 11 | 6,5 | G2" | G2" | 6        | 720             | 350 | 430 | 0,11      | 23,9            |
| EUROSWIM 300 T | 648 | 252 | 290 | 267 | 274 | 220 | 150 | 387 | 258 | 350 | 11 | 6,5 | G2" | G2" | 6        | 720             | 350 | 430 | 0,11      | 19,9            |

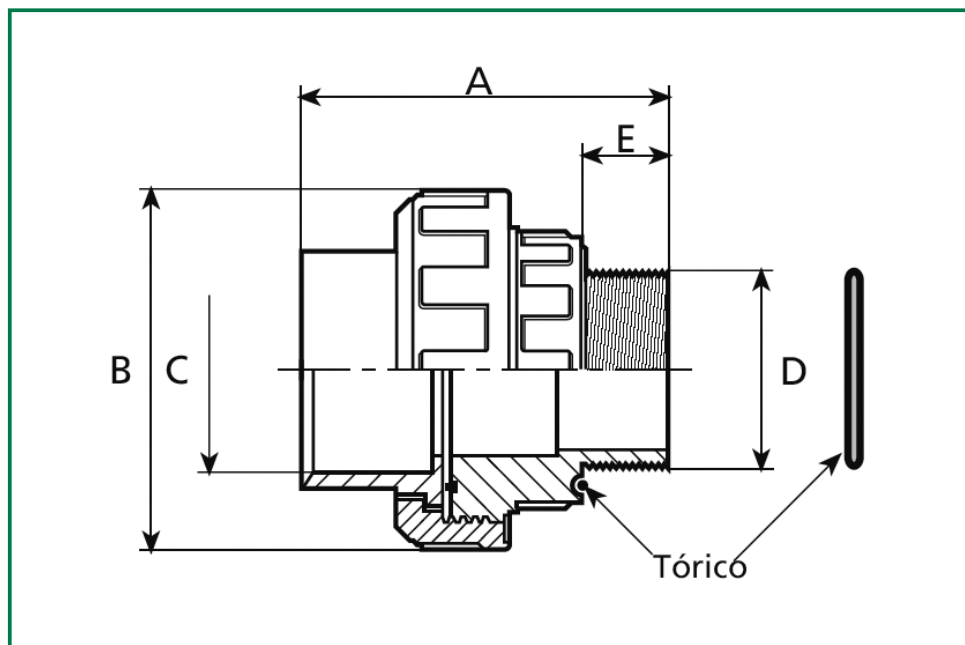
## ELECTRIC DATA

| MODEL          | ELECTRIC DATA             |                |               |    |             |           |     | MAX. NOISE LEVEL<br><br>dB (A) | Q<br>m³/h<br>l/min | HYDRAULIC DATA |      |      |      |      |      |      |      |      |      |     |
|----------------|---------------------------|----------------|---------------|----|-------------|-----------|-----|--------------------------------|--------------------|----------------|------|------|------|------|------|------|------|------|------|-----|
|                | POWER SUPPLY<br><br>50 Hz | P1<br>MAX<br>W | P2<br>NOMINAL |    | In<br><br>A | CAPACITOR |     |                                |                    | 0              | 3    | 6    | 9    | 12   | 18   | 21   | 24   | 30   | 36   | 42  |
|                |                           |                | kW            | HP |             | µF        | Vc  |                                |                    |                |      |      |      |      |      |      |      |      |      |     |
| EUROSWIM 300 M | 1x220-240 V ~             | 2800           | 2,2           | 3  | 12          | 40        | 450 | 64                             | H<br>(m)           | 21,8           | 21,5 | 21,3 | 20,8 | 20,2 | 19,2 | 18,6 | 17,8 | 15,3 | 11,6 | 7,4 |
| EUROSWIM 300 T | 3x230-400 V ~             | 2800           | 2,2           | 3  | 8,7 / 5     | –         | –   | 64                             | H<br>(m)           | 21,8           | 21,5 | 21,3 | 20,8 | 20,2 | 19,2 | 18,6 | 17,8 | 15,3 | 11,6 | 7,4 |

# ACCESSORIES

## KIT OF UNIONS 2" GAS / DN 50-63

Supplied complete with two parts to be used on suction and discharge for connection of the pump to the system. The port with O-ring (towards pump) is fitted with a DN 50 and 63 coupling for increased installation flexibility.



## DIMENSIONS AND WEIGHTS

| MODEL                     | A  | B  | C     | D  | E  | GROSS WEIGHT<br>Kg |
|---------------------------|----|----|-------|----|----|--------------------|
| 2"CONNECTION FITTINGS KIT | 99 | 99 | 50/63 | 2" | 20 | 0,7                |

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PUMP PERFORMANCE

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