



WATER • TECHNOLOGY

## QUOTATION

2014-08-01

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Tel. +39 049 5125000 - Fax +39 049 5125950  
www.dabpumps.com

Receiver

From

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LITOUS 4 PIRAEUS  
00302104221738  
00302104221737  
sales@kelekis.gr

Ref.	Item no.	Description	Q.ty	Unit pr.	Price
	60161177	<p><b>SERIES EVOSTA</b> <b>EVOSTA 40-70/180</b></p> <p>Applications</p> <p>Low power consumption pump for circulation of hot water, suitable for all types of domestic heating systems.</p> <p>Benefits</p> <p>Thanks to the advanced technology employed, the permanent magnet synchronous motor, and the frequency converter, the new range of EVOSTA circulators ensures high efficiency in all applications, bringing appreciable benefits in terms of energy saving. For this reason, the new EVOSTA circulator is in line with the European Directive 2009/125/EC Erp (formerly EuP) and is ready to meet the 2015 Erp requirements (EEI = 0.23). The circulator features an electronic device that detects the changes demanded by the system and automatically adapts the circulator performance accordingly, always ensuring optimal efficiency and minimum energy consumption.</p> <p>The EVOSTA circulator is also ideal to replace the old three-speed circulators, as it has the same dimensions of the VA series and it can cover with a single model pumps with head of 4, 5 and 6 meters. In addition, it is a product that can simplify the user's work, thanks to a single sequential setting button and a breather plug used to degas the system and unlock the motor shaft.</p> <p>The EVOSTA series circulator can operate in 2 different modes:</p> <ul style="list-style-type: none"> <li>• Constant curve - 3 curves</li> <li>• Proportional differential pressure - 6 curves</li> </ul> <p>Construction characteristics</p> <p>Cast iron pump body and wet rotor motor. Motor casing in die-cast aluminium. Technopolymer impeller. Ceramic motor shaft mounted on graphite bushings lubricated by the pumped liquid. Stainless steel rotor jacket, stator jacket and closing flange. Ceramic thrust ring. EPDM seal rings and brass breather plug. Thanks to the internal protection of the motor, the pump does not require any form of overload protection.</p> <p>TECHNICAL DATA</p> <p>Operating range: from 0.4 to 3.3 m<sup>3</sup>/h with head up to 6.9 meters. Liquid temperature range: from +2°C to +95°C. Working pressure: 10 bar (1000 kPa) Protection rating: IP 44 Insulation class: F Installation: with horizontal motor shaft. Standard power supply: single-phase 1x230 V / 50/60 Hz Pumped liquid: clean, free from solids and mineral oils, not viscous, chemically neutral, close to the properties of water (max. glycol contents 30%).</p> <p><b>Suction port: 1 " 1/2 G</b> <b>Discharge port: 1 " 1/2 G</b></p>	1 1	On req.	On req.
			1	0,00	0,00
			1	0,00	0,00
<b>Subtotal:</b>				<b>On req.</b>	<b>On req.</b>
Project	Project ID	Created by	Created on	Last update	
			2014-08-01		



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Total price excl. VAT		VAT in %	Total price incl. VAT		
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16

2014-08-01

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**Item n° :**

60161177

**Model :**

EVOSTA 40-70/180

**Pump data**

 Pressure rating : 10 bar (1000 KPa)  
 Min. fluid temperature : 2 °C  
 Max. fluid temperature : 95 °C

**Minimum suction head :**

 Temperature °C 90  
 Minimum suction head : m 10

**Requested data**

 Flow : 0,00 m³/h  
 Head : 0,00 m  
 Fluid : Water  
 Fluid Temperature : 20 °C  
 Density : 0,99819 kg/dm³  
 Kinematic viscosity : 1,0004 mm²/s  
 Vapor pressure : 2,20 kPa

**Hydraulic data (duty point)**

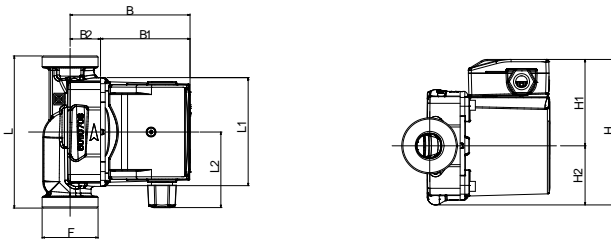
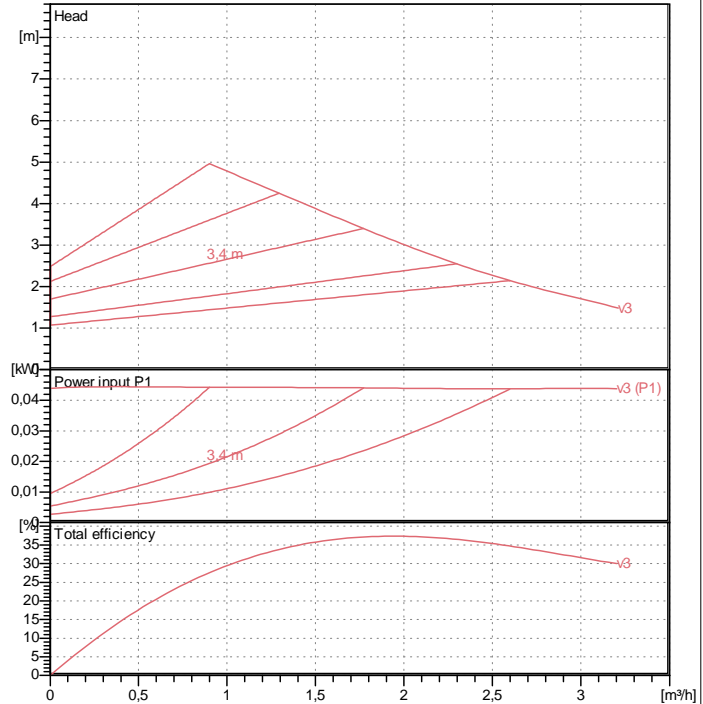
 Flow :  
 Head :

**Materials**

 Pump body Cast iron  
 Impeller Technopolymer  
 Motor shaft Ceramic  
 Motor casing Die cast aluminium  
 Air vent plug Brass  
 Rotor Magnet  
 Terminal box Technopolymer

**Motor data**

 Motor brand : DAB  
 Power input P1 0,044 kW  
 Rated speed: 2900 1/min  
 Rated voltage : 1~ 230 V 50 Hz  
 Nominal current : 0,39 A  
 Degree of protection : IP 44

**Curve tolerance according to ISO 9906**

**Dimensions in mm**

B	102,5	H	124	L1	93		
B1	76,5	H1	73,5	L2	59		
B2	26	H2	50,5				
F	1"1/2	L	180				

**Weight :** 2,6 kg

**Pump connection**

 Suction side 1 " 1/2 G 10 bar (1000 KPa)  
 Discharge side 1 " 1/2 G 10 bar (1000 KPa)



# PERFORMANCE CURVES

2014-08-01

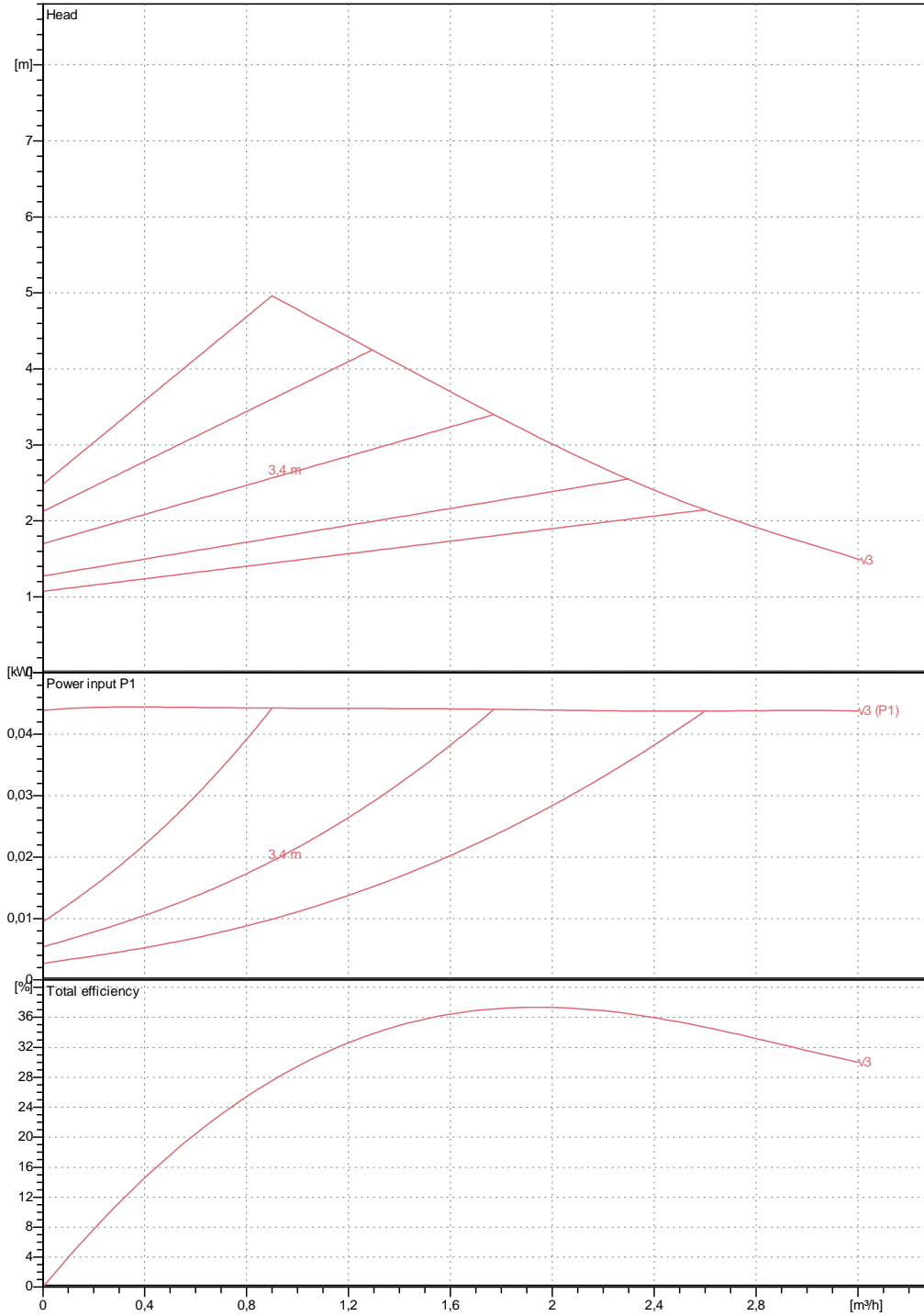
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## EVOSTA 40-70/180

Curve tolerance according to ISO 9906



### Hydraulic data (duty point)

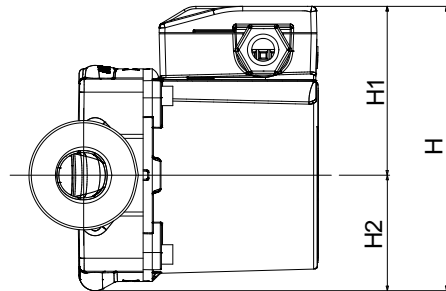
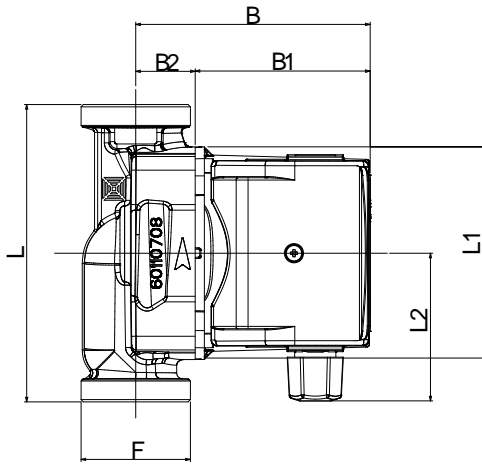
Suction side 1 " 1/2 G 10 bar (1000 KPa)	Discharge side 1 " 1/2 G 10 bar (1000 KPa)	Flow : 0 m³/h	Head : 0 m	Rated speed: 2900 1/min
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## EVOSTA 40-70/180


**Dimensions in mm**

1	B	102,5
2	B1	76,5
3	B2	26
4	F	1"1/2
5	H	124
6	H1	73,5
7	H2	50,5
8	L	180
9	L1	93
10	L2	59

**Pump connection**

Suction  
 1 " 1/2 G  
 10 bar (1000 KPa)

Discharge  
 1 " 1/2 G  
 10 bar (1000 KPa)

Project

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