

Tender text

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2025-01-20

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Pos.no	Description	Item no.
	Close-coupled pumps	
	Etabloc PumpDrive 100-080-400/4504 CC	05132927

Etabloc PumpDrive

Horizontal single-stage volute casing pump in close-coupled design, with ratings to EN 733. Axial suction nozzle, discharge nozzle pointing radially upwards. Shaft fitted with a replaceable shaft sleeve in the shaft seal area. Volute casing and casing cover with replaceable casing wear rings. Volute casing with integrally cast pump feet for variants B, C and S. Impeller matched to the operating point for saving energy.

PumpDrive 2 frequency

inverter

Self-cooling frequency inverter is mounted directly on the motor. Controlled by integrated PI controller. Controlled variables are pressure, differential pressure, flow rate, temperature. Display and setting of all operating parameters via a control unit with graphical display. Setpoint adjustment or control via external standard signal or via the control unit. Protective function for drive and pump. Pump and drive parameters pre-set at the factory.

Design:

Mains voltage	: 3~ 380 V AC -10 % to 480 V AC +10 %
Mains frequency	: 50 - 60 Hz ± 2 %
Internal power supply unit	: 24 V ± 10 %, max. 600 mA DC
Enclosure	: IP55 (to EN 60529)
Ambient temperature	: -10 °C to +50 °C
Relative humidity in operation	: 5 % to 85 %, non-condensing
Service interface	: optical
Analog input	: 2 x 0/2 - 10 V or 0/4 - 20 mA
Analog output	: 1 x 0 - 10 V or 4 - 20 mA



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	Digital input	: 1 x hardware enable input, 5 x parameterisable			
	Relay output	: 2 changeover contacts, parameterisable			
	Bus systems (optional)	: Modbus RTU, Profibus DP, LON, BACnet MS/TP, Profinet			
	Operating data				
	Water	Fluid handled	:		
		Flow rate	:		
		Head	:		
	20,00 °C	Fluid temperature	:		
	temperature	Permissible fluid			
	0 bis +110	(min./max.)	:		
	pressure	Maximum operating			
	: ≤ 16 bar	Ambient temperature: -			
	10 to +50°C	(min./max.)			
	Motor/electronics				
	≥ 0,4	MEI value	:		
	45 kW	Motor rating	:		
		Max. rated current	:		



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	99,3 A				
	500 1/min ... 1.900 1/min	Speed	:		
	3 x 380 V AC - 15 % to 480 V AC +10 %	Power supply	:		
	225M	Motor size	:		
		Energy efficiency class			
		: IE4 = Super Premium Efficiency			
	IP55	Enclosure	:		
	KSB-Standard	Motor make	:		
		Materials			
	CrNiMo steel 1.4408	Pump casing (102)	:		
	CrNiMo steel 1.4408	Impeller (230)	:		
	A4/ AISI 316	Pump shaft (210)	:		
	CrNiMo steel 1.4571	Casing cover (161)	:		
	suction side (502.01): A4/ AISI 316	Casing wear ring,			
	discharge side (502.02): A4-70/ A193 Gr. B8M CL2	Casing wear ring,			
	Single mechanical seal with vented chamber (A-type cover)	Shaft seal type	:		



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	:10 = Q1Q1X4GG	Shaft seal material			
		Dimensions and			
	connections				
	discharge nozzle DN2 : DN 80	Nominal size of			
	suction nozzle DN1 : DN 100	Nominal diameter of			
	suction side : 16	Nominal pressure,			
	discharge side : 16	Nominal pressure,			
	information	Purchase order			
	576,1 kg	Approx. net weight :			
	KSB	Make :			
	Etabloc PumpDrive 100-080-400/4504 CC	Type :			
	V3	Material price group :			
	05132927	Material number :			



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	Frequency controller: PumpDrive2		1		

Data sheet: technical data

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Item-No.

Design

Type / Coding

Close-coupled pumps

Etabloc PumpDrive 100-080-400/4504 CC

Company

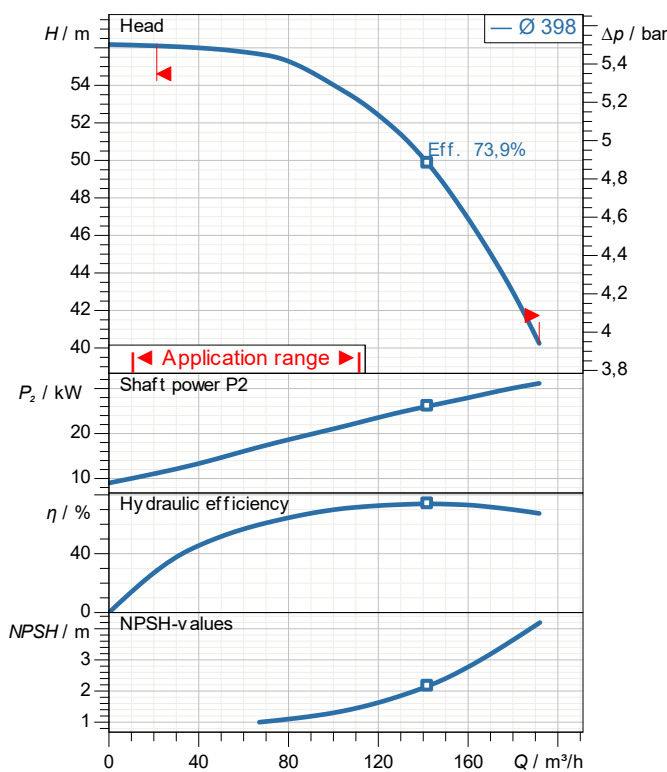
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demand data

Flow

Head

Geodetic head

Media

Liquid temperature

Concentration

Water

20 °C

100 %

Pump data

Make

Type

Design

Specific design

Max. fluid temperature

KSB

Etabloc PumpDrive 100-080-400/4504 CC

Close-coupled pumps

Single head pump

Hydraulic data (Duty point)

Flow

Head

Efficiency

Minimum Efficiency Index $\geq 0,4$

Material / sealing element

Volute casing

Shaft

Impeller

Impeller nut

Screw plug

Stud

CrNiMo steel 1.4408

CrNiMo steel 1.4571

CrNiMo steel 1.4408

A4/ AISI 316

A4/ AISI 316

A4-70/ A193 Gr. B8M CL2

Motor data

Power uptake

Rated power

Speed

Rated voltage

Rated current

Degree of protection

47,1 kW

45 kW

1.500 1/min

400 V

99,3 A

IP55

Product information

Ident. No./ type key

Weight loaded

Gross price

PL 2025-01-20

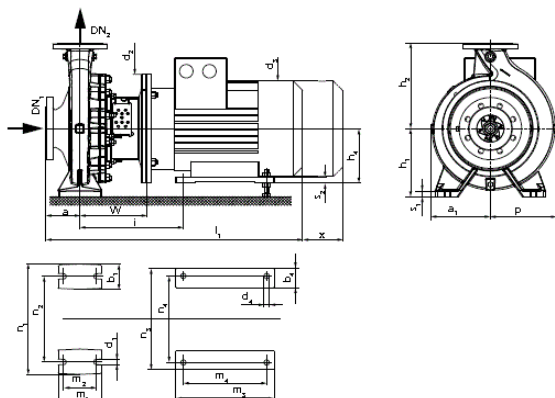
Price group

05132927

576,1 kg

78.619,23 EUR

V3



Data sheet: performance curve

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Design

Type / Coding

Close-coupled pumps

Etabloc PumpDrive 100-080-400/4504 CC

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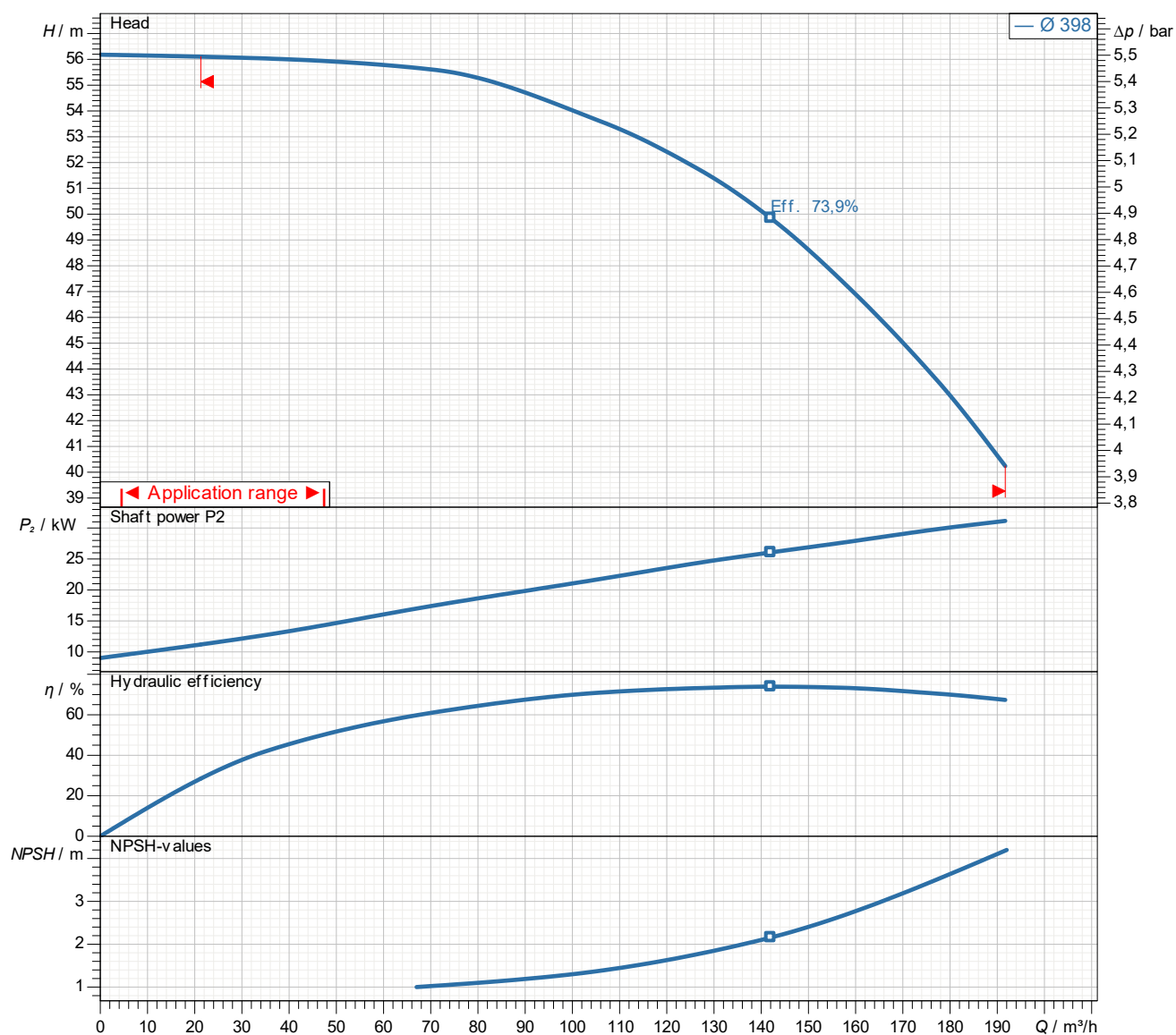
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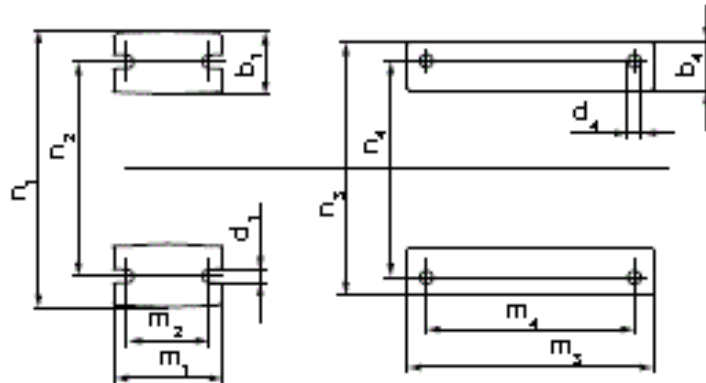
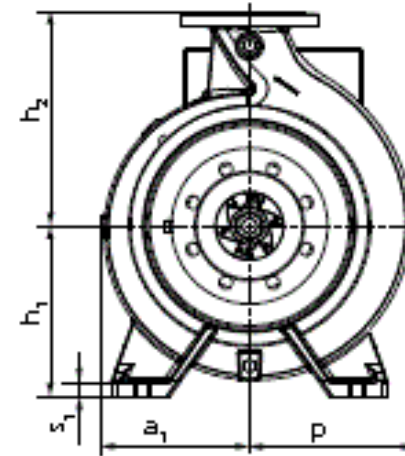
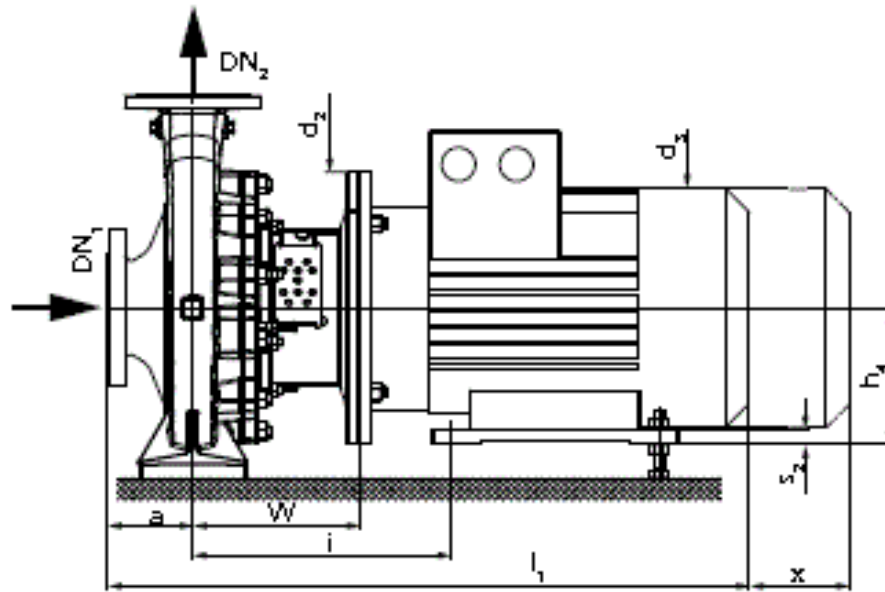
Performance curve

Etabloc PumpDrive 100-080-400/4504 CC



Density 998,3 kg/m³

Viscosity 1,005 mm²/s



Name	Wert	Name	Wert
a	125 mm	n2	355 mm
a1	257 mm	p	280 mm
b1	80 mm	s1	20 mm
d1	19 mm	x	140 mm
DN1	100 mm		
DN2	80 mm		
h1	380 mm		
h2	355 mm		
m1	160 mm		
m2	120 mm		
n1	435 mm		