

Tender text

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2025-01-20

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Pos.no	Description	Item no.
	Close-coupled pumps	
	Etabloc PumpDrive 080-065-315/1854 GB	05131898

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			
		(min./max.)	:		
	0 bis +110				
	pressure	Maximum operating			
	: ≤ 16 bar				
	10 to +50°C	Ambient temperature: -			
		(min./max.)			
	Motor/electronics				
	≥ 0,4	MEI value	:		
	18,5 kW	Motor rating	:		
		Max. rated current	:		



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	42 A				
	500 1/min ... 1.800 1/min	Speed	:		
	3 x 380 V AC - 15 % to 480 V AC +10 %	Power supply	:		
	180M	Motor size	:		
		Energy efficiency class			
		: IE4 = Super Premium Efficiency			
	IP55	Enclosure	:		
	KSB-Standard	Motor make	:		
		Materials			
	Grey cast iron JL1040	Pump casing (102)	:		
	Tin bronze CC480K-GS / B30 C90700	Impeller (230)	:		
	Steel/tempered steel E335/C45	Pump shaft (210)	:		
	Grey cast iron JL1040	Casing cover (161)	:		
		Casing wear ring,			
	suction side (502.01): DPAF seal plate, asbestos-free				
		Casing wear ring,			
	discharge side (502.02): Grey cast iron GG / cast iron				
		Shaft seal type	:		
	Single mechanical seal with vented chamber (A-type cover)				



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
		Shaft seal material			
	:10 = Q1Q1X4GG				
		Dimensions and			
	connections	Nominal size of			
	discharge nozzle DN2 : DN 65	Nominal diameter of			
	suction nozzle DN1 : DN 80	Nominal pressure,			
	suction side : 16	Nominal pressure,			
	discharge side : 16				
		Purchase order			
	information	Approx. net weight :			
	308,8 kg	Make :			
	KSB	Type :			
	Etabloc PumpDrive 080-065-315/1854 GB	Material price group :			
	V3				
		Material number :			
	05131898				



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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 080-065-315/1854 GB

Company

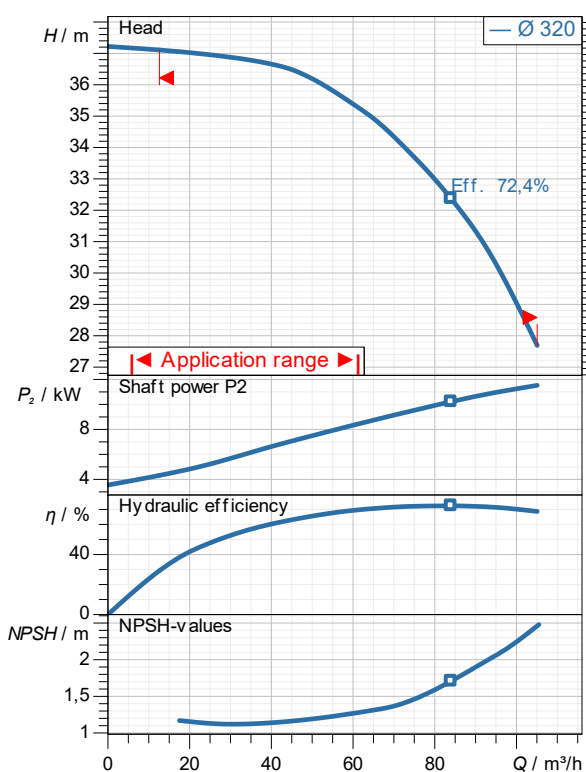
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demand data

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 080-065-315/1854 GB

Close-coupled pumps

Single head pump

140 °C

Hydraulic data (Duty point)

Flow

Head

Efficiency

Minimum Efficiency Index $\geq 0,4$

Material / sealing element

Volute casing

Discharge cover

Impeller

Shaft

Bearing bracket lantern

Casing wear ring

Grey cast iron JL1040

Grey cast iron JL1040

Tin bronze CC480K-GS / B30 C90700

Steel/tempered steel E335/C45

DPAF seal plate, asbestos-free

Grey cast iron GG / cast iron

Motor data

Power uptake

Rated power

Speed

Rated voltage

Rated current

Degree of protection

19,6 kW

18,5 kW

1.500 1/min

400 V

42 A

IP55

Product information

Ident. No./ type key

Weight loaded

Gross price

PL 2025-01-20

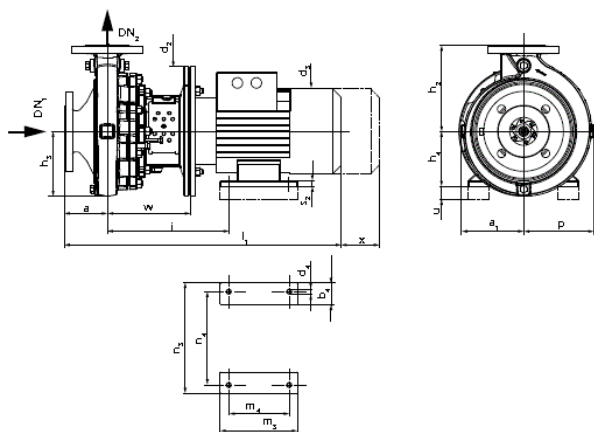
Price group

05131898

308,8 kg

25.942,34 EUR

V3



Data sheet: performance curve

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Design

Type / Coding

Close-coupled pumps

Etabloc PumpDrive 080-065-315/1854 GB

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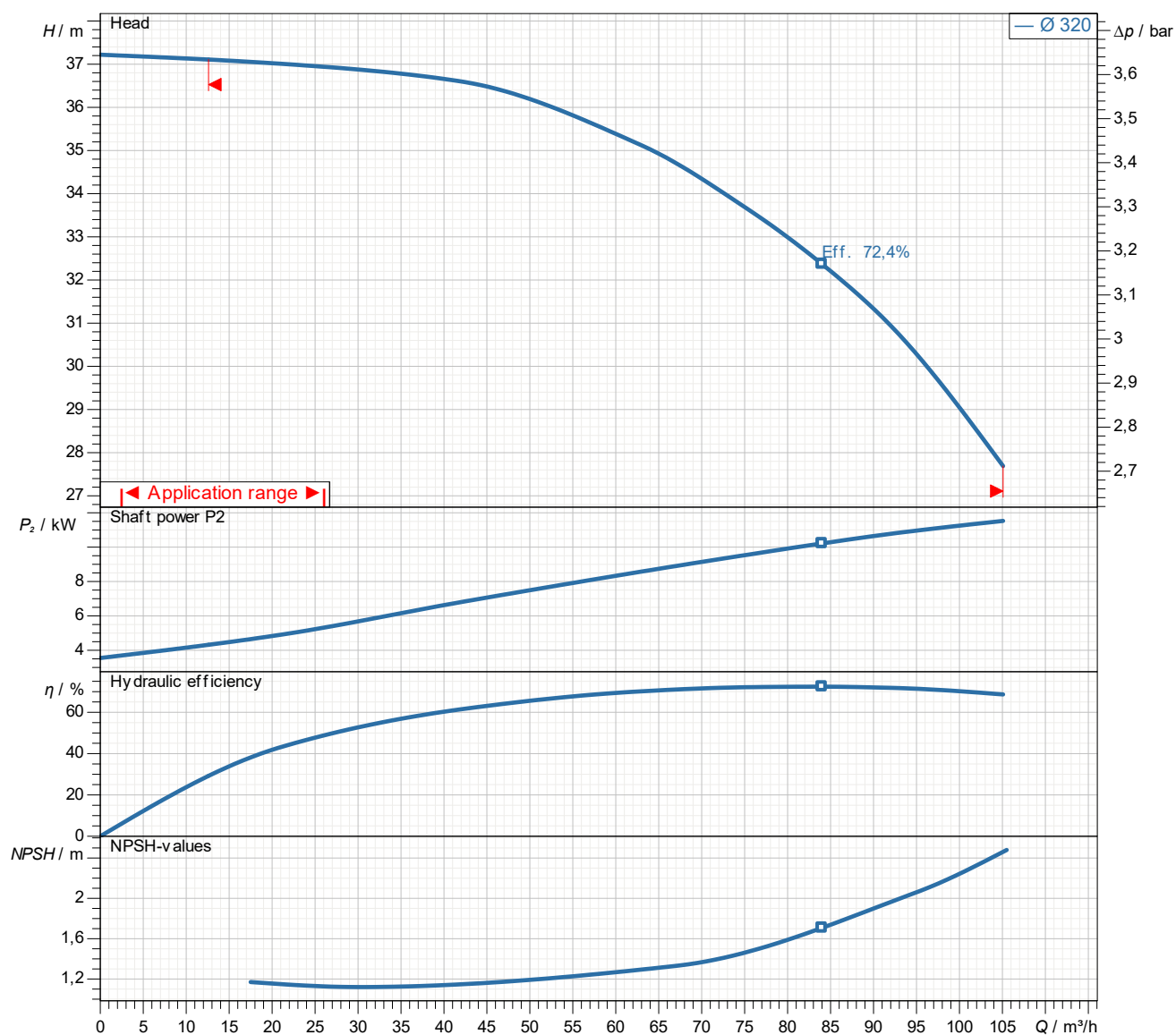
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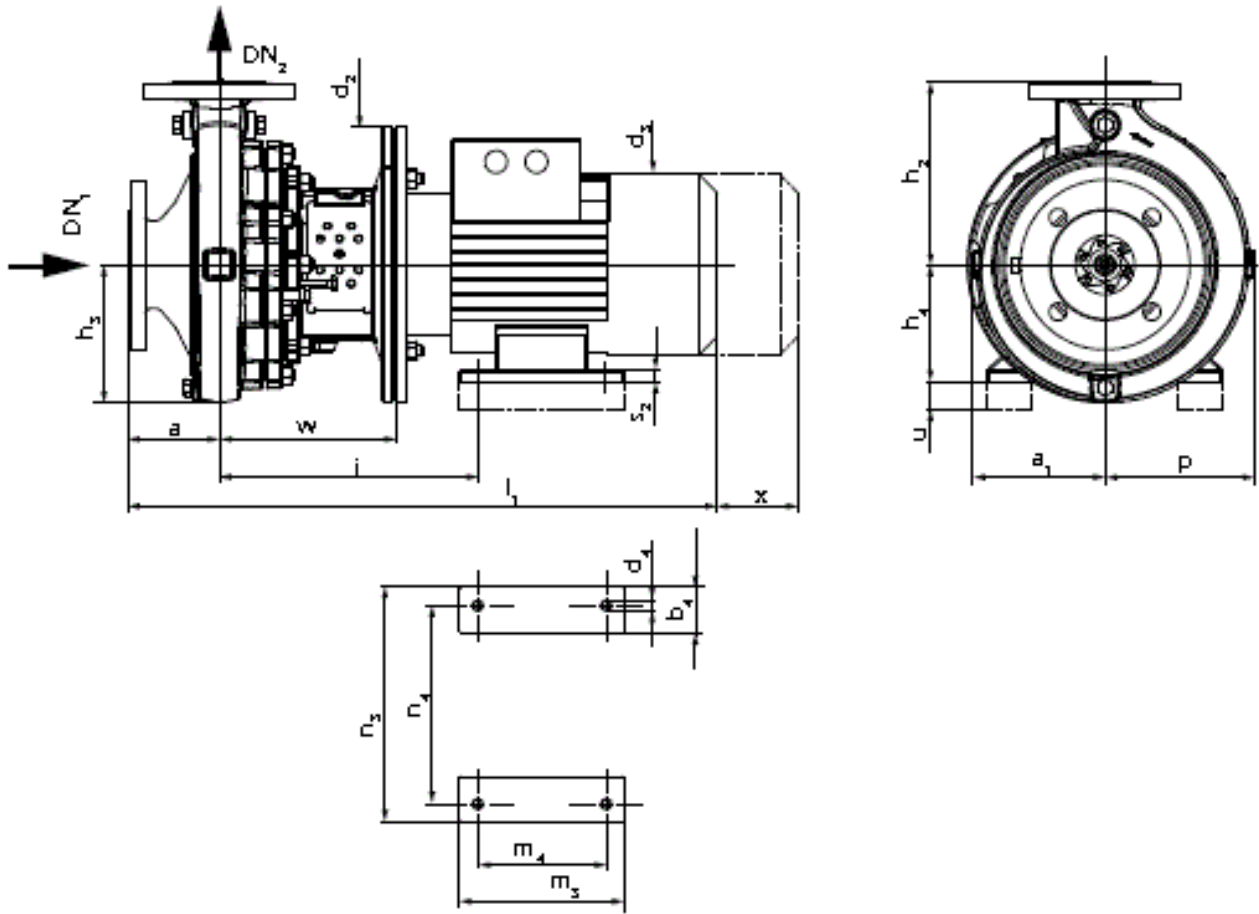
Performance curve

Etabloc PumpDrive 080-065-315/1854 GB



Density 998,3 kg/m³

Viscosity 1,005 mm²/s



Name	Wert	Name	Wert
a	125 mm	p	229 mm
a1	209 mm	x	140 mm
DN1	80 mm		
DN2	65 mm		
h1	180 mm		
h2	280 mm		
h3	213 mm		
m1	125 mm		
m2	95 mm		
n1	280 mm		
n2	212 mm		