

Tender text

Project name

Project ID

Customer

Contact

E-mail

Phone

Company

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E-mail

Phone

2025-01-20

Page 1 / 8

Pos.no	Description	Item no.
	Close-coupled pumps	
	Etabloc PumpDrive 100-080-200/1104 GG	05130937

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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Customer

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E-mail

Phone

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E-mail

Phone

2025-01-20

Page 2 / 8

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	:		
	11 kW	Motor rating	:		
		Max. rated current	:		

Tender text

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2025-01-20

Page 3 / 8

Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	24,2 A				
	500 1/min ... 1.800 1/min	Speed	:		
	3 x 380 V AC - 15 % to 480 V AC +10 %	Power supply	:		
	160M	Motor size	:		
	: IE5	Energy efficiency class			
	IP55	Enclosure	:		
	KSB-Standard	Motor make	:		
		Materials			
	Grey cast iron JL1040	Pump casing (102)	:		
	Steel/tempered steel E335/C45	Impeller (230)	:		
	Grey cast iron JL1040	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				
	Single mechanical seal with vented chamber (A-type cover)	Shaft seal type	:		



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E-mail

Phone

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Phone

2025-01-20

Page 4 / 8

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			
	157,6 kg	Approx. net weight :			
	KSB	Make :			
	Etabloc PumpDrive 100-080-200/1104 GG	Type :			
	V3	Material price group :			
	05130937	Material number :			



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Project name

Project ID

Customer

Contact

E-mail

Phone

Company

Contact

E-mail

Phone

2025-01-20

Page 5 / 8

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

Data sheet: technical data

Project name

Project ID

Customer

Contact

E-mail

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Item-No.

Design

Type / Coding

Close-coupled pumps

Etabloc PumpDrive 100-080-200/1104 GG

Company

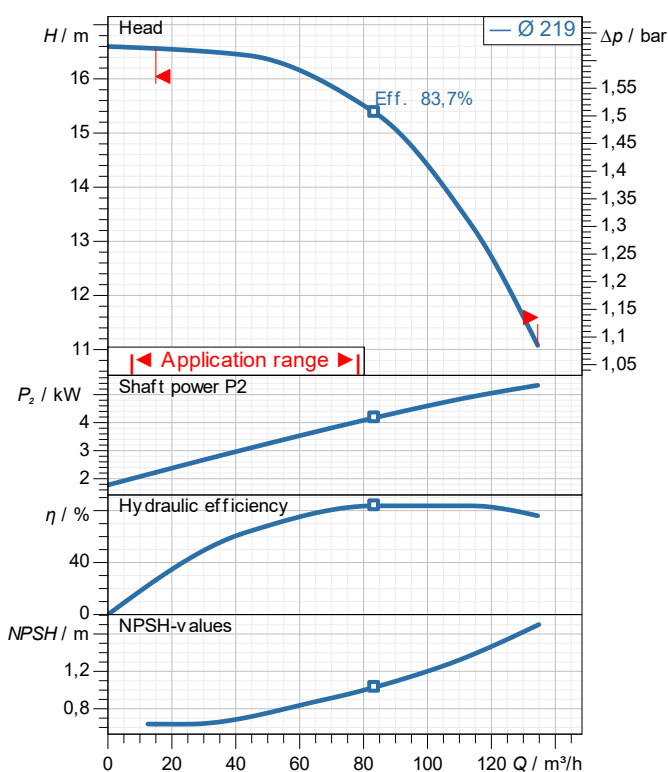
Contact

E-mail

Phone

2025-01-20

Page 6 / 8



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 100-080-200/1104 GG

Close-coupled pumps

Single head pump

Hydraulic data (Duty point)

Flow

Head

Efficiency

Minimum Efficiency Index $\geq 0,4$

Material / sealing element

Volute casing

Discharge cover

Shaft

Impeller

Bearing bracket lantern

Casing wear ring

Grey cast iron JL1040

Grey cast iron JL1040

Steel/tempered steel E335/C45

Grey cast iron JL1040

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

11,8 kW

11 kW

1.500 1/min

400 V

24,2 A

IP55

Product information

Ident. No./ type key

Weight loaded

Gross price

PL 2025-01-20

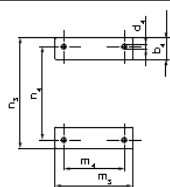
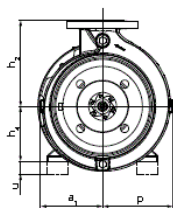
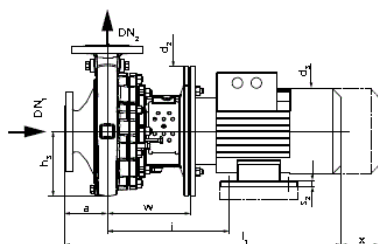
Price group

05130937

157,6 kg

16.873,52 EUR

V3



Data sheet: performance curve

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Design

Type / Coding

Close-coupled pumps

Etabloc PumpDrive 100-080-200/1104 GG

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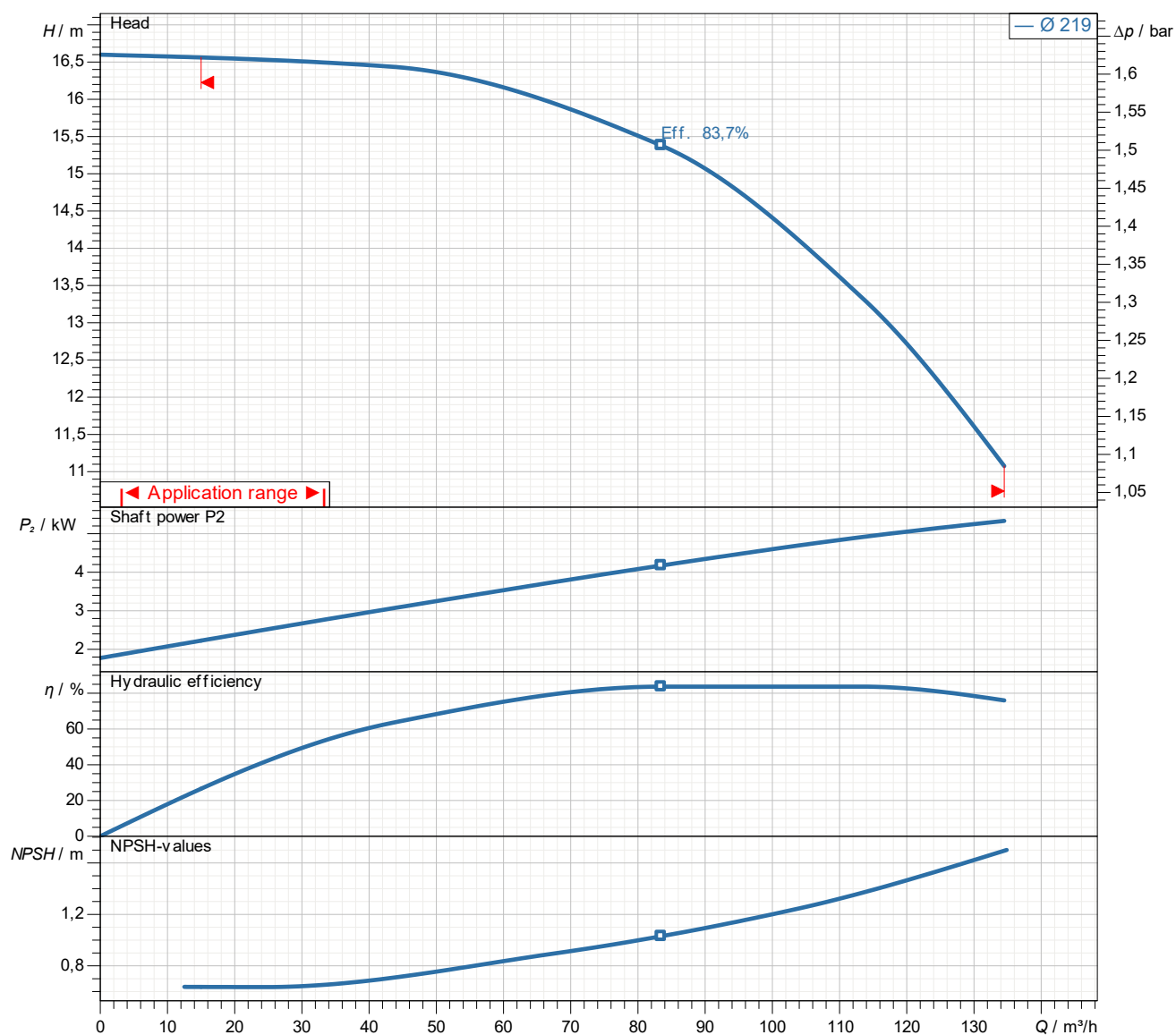
Phone

2025-01-20

Page 7 / 8

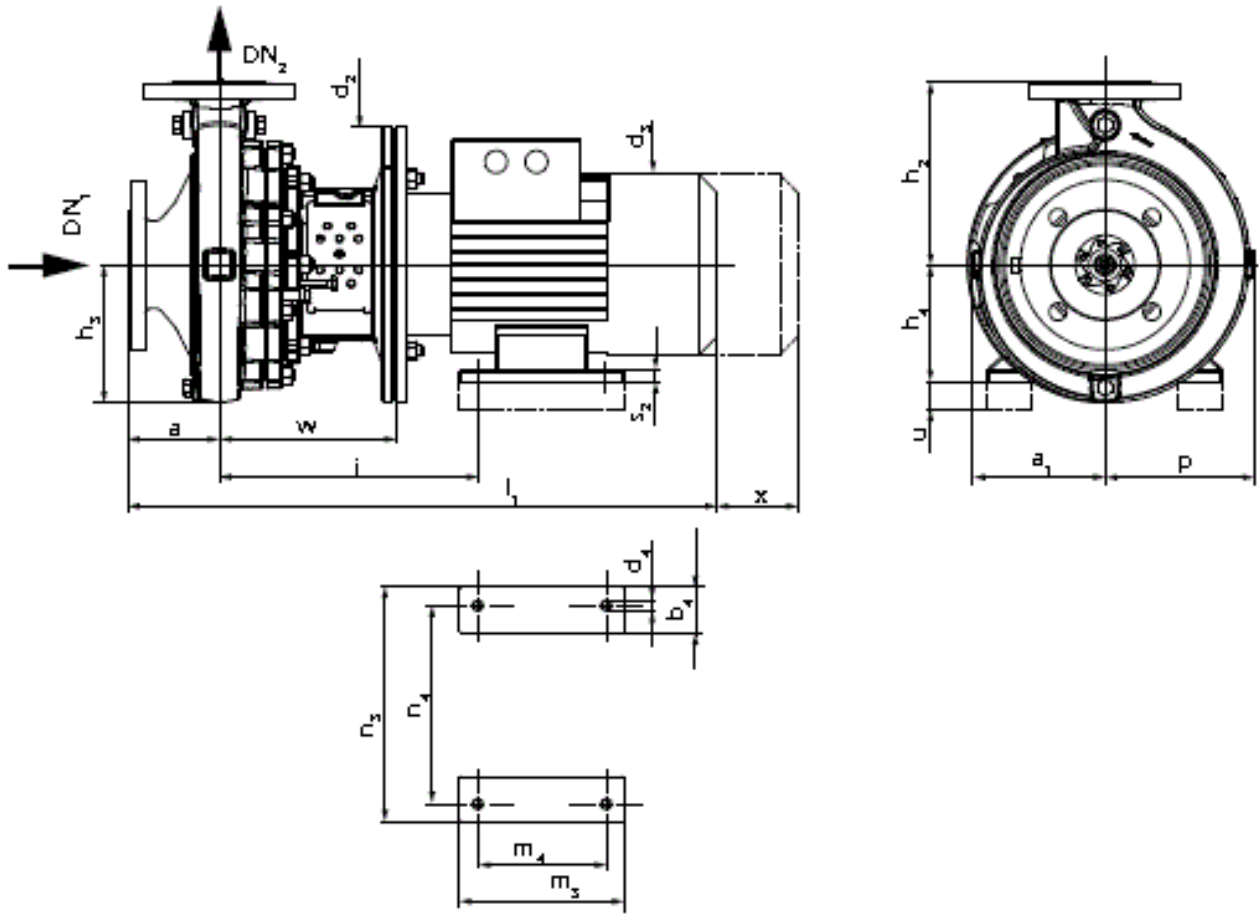
Performance curve

Etabloc PumpDrive 100-080-200/1104 GG



Density 998,3 kg/m³

Viscosity 1,005 mm²/s



Name	Wert	Name	Wert
a	125 mm		
a1	159 mm		
DN1	100 mm		
DN2	80 mm		
h1	180 mm		
h2	250 mm		
h3	170 mm		
n1	280 mm		
n2	212 mm		
p	188 mm		
x	140 mm		