

Tender text

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Pos.no	Description	Item no.
	Close-coupled pumps	
	Etabloc PumpDrive 050-032-160.1/554 GG	05128589

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	:		
	5,5 kW	Motor rating	:		
		Max. rated current	:		



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	13,5 A				
	580 1/min ... 3.600 1/min	Speed	:		
	3 x 380 V AC - 15 % to 480 V AC +10 %	Power supply	:		
	132S	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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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	:10 = Q1Q1X4GG	Shaft seal material			
		Dimensions and			
	connections				
	discharge nozzle DN2 : DN 32	Nominal size of			
	suction nozzle DN1 : DN 50	Nominal diameter of			
	suction side : 16	Nominal pressure,			
	discharge side : 16	Nominal pressure,			
	information	Purchase order			
	83,12 kg	Approx. net weight :			
	KSB	Make :			
	Etabloc PumpDrive 050-032-160.1/554 GG	Type :			
	V3	Material price group :			
	05128589	Material number :			



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	Frequency controller: PumpDrive2 050-032-160.1		1		

Data sheet: technical data

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Item-No.

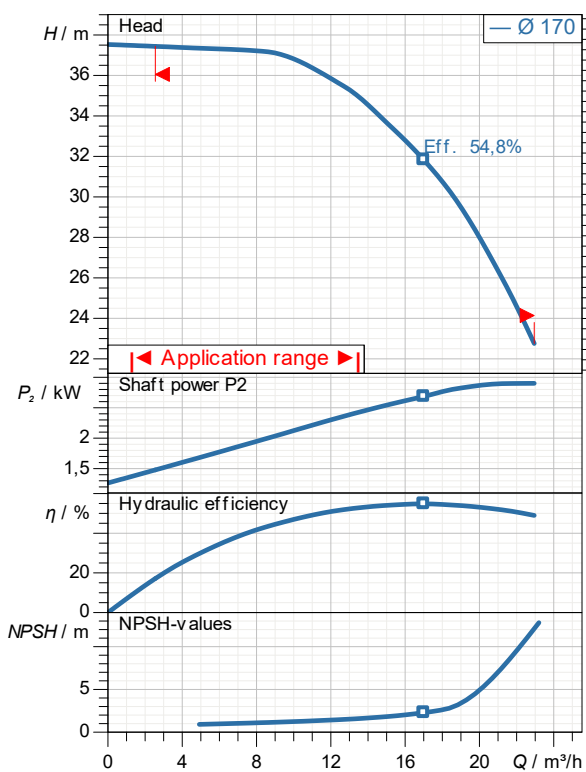
Design
Type / Coding

Close-coupled pumps
Etabloc PumpDrive 050-032-160.1/554 GG

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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 050-032-160.1/554 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

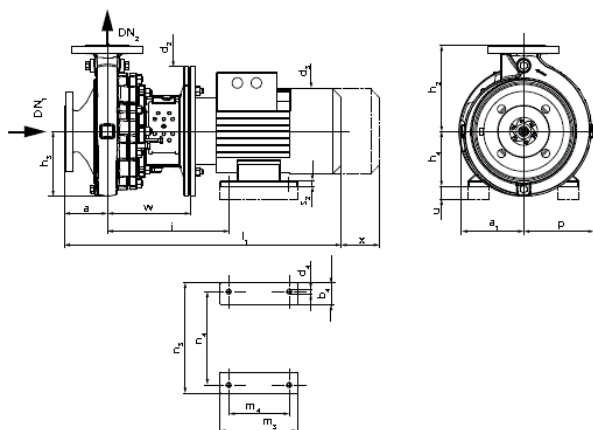
Power uptake
Rated power
Speed
Rated voltage
Rated current
Degree of protection

5,98 kW
5,5 kW
1.500 1/min
400 V
13,5 A
IP55

Product information

Ident. No./ type key
Weight loaded
Gross price
PL 2025-01-20
Price group

05128589
83,12 kg
11.004,49 EUR
PL 2025-01-20
V3



Data sheet: performance curve

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Design

Type / Coding

Close-coupled pumps

Etabloc PumpDrive 050-032-160.1/554 GG

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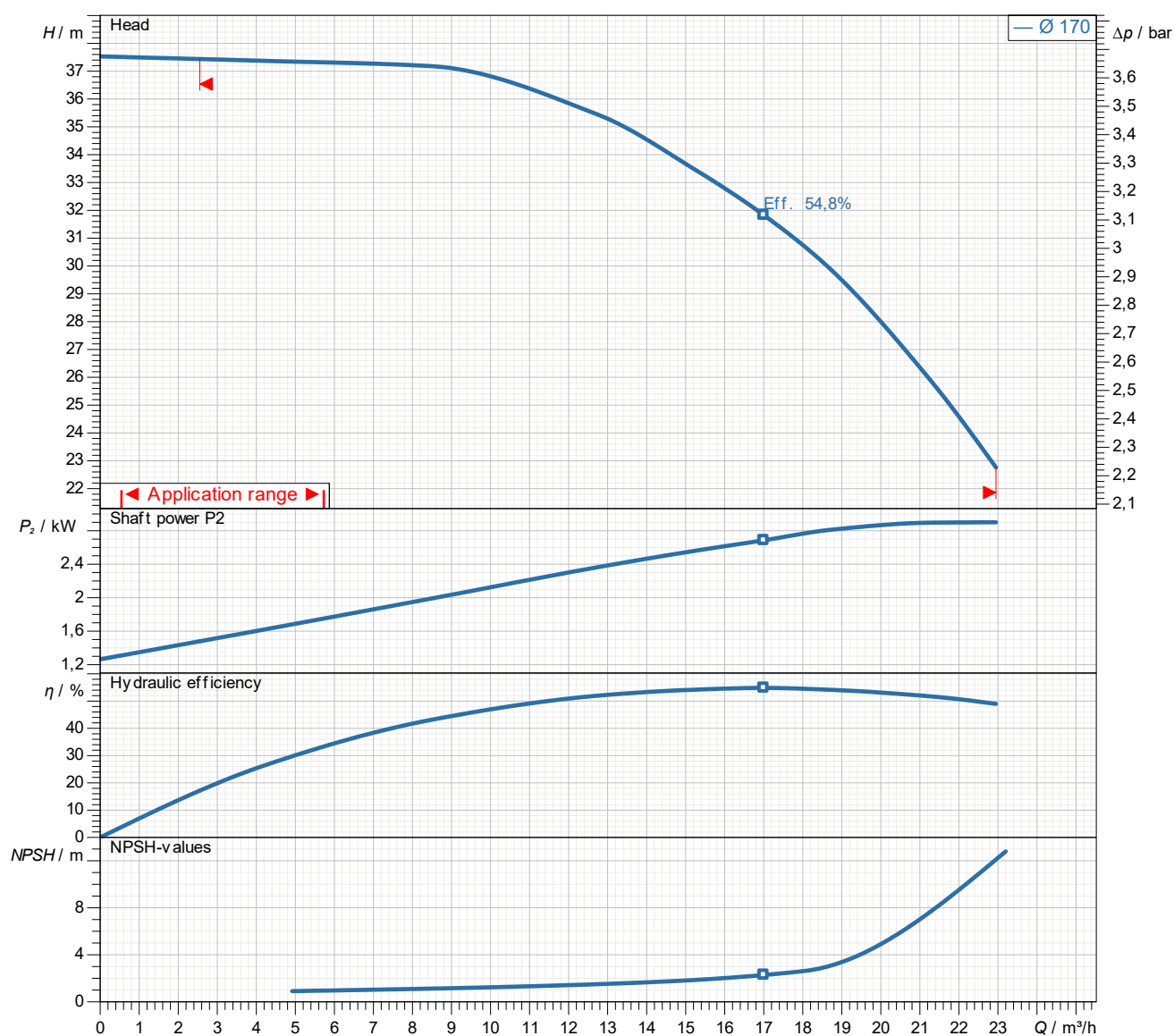
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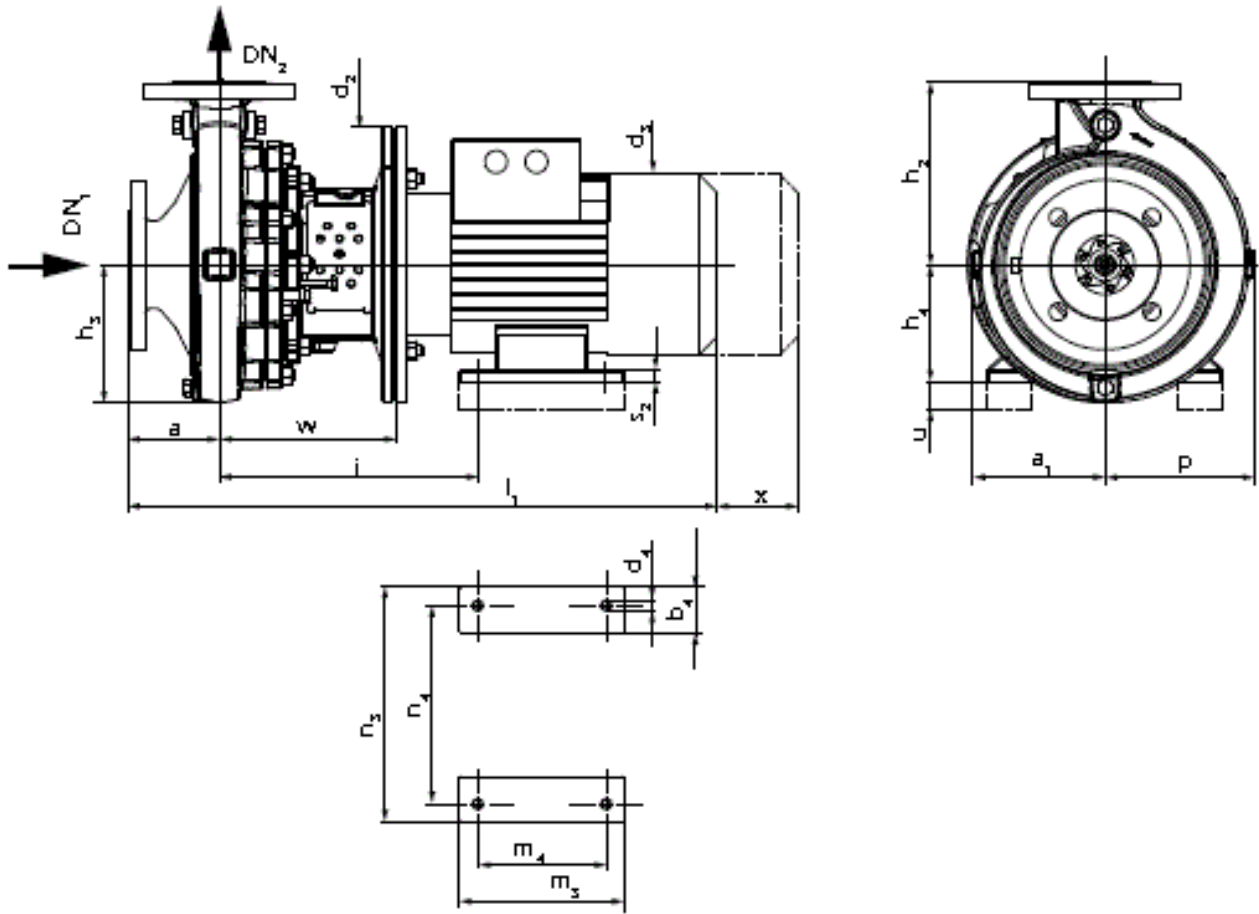
Performance curve

Etabloc PumpDrive 050-032-160.1/554 GG



Density 998,3 kg/m³

Viscosity 1,005 mm²/s



Name	Wert	Name	Wert
a	80 mm	x	100 mm
a1	116 mm		
DN1	50 mm		
DN2	32 mm		
h1	160 mm		
h2	160 mm		
h3	111 mm		
i	118 mm		
n1	225 mm		
n2	130 mm		
p	121 mm		