

Tender text

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2025-01-20

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Pos.no	Description	Item no.
	Close-coupled pumps	
	Etabloc PumpDrive 080-065-250/1104 GG	05130901

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 Eco

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. Set point 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, 3 x parameterisable			
	Relay output	: 2 x NO contact, parameterisable			
	Operating data				
	Water		Fluid handled	:	
			Flow rate	:	
			Head	:	
	20,00 °C		Fluid temperature	:	
	temperature		Permissible fluid		
	0 bis +110		(min./max.)	:	
	pressure	: ≤ 16 bar	Maximum operating		
	10 to +50°C		Ambient temperature: -		
			(min./max.)		
			Motor/electronics		
	≥ 0,4		MEI value	:	
	11 kW		Motor rating	:	
	24,2 A		Max. rated current	:	



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	725 1/min ... 1.450 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	:		
		Shaft seal material			



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	:10 = Q1Q1X4GG				
	connections	Dimensions and			
	discharge nozzle DN2 : DN 65	Nominal size of			
	suction nozzle DN1 : DN 80	Nominal diameter of			
	suction side : 16	Nominal pressure,			
	discharge side : 16	Nominal pressure,			
	information	Purchase order			
	162,6 kg	Approx. net weight :			
	KSB	Make :			
	Etabloc PumpDrive 080-065-250/1104 GG	Type :			
	V3	Material price group :			
	05130901	Material number :			



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	Frequency controller: PumpDrive2 Eco 065-040-250		1		

Data sheet: technical data

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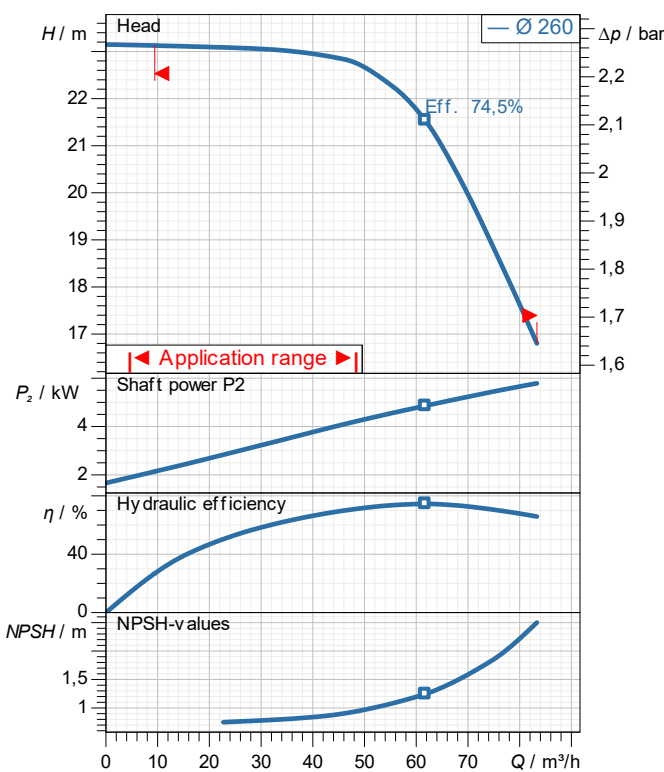
Item-No.
Design Close-coupled pumps
Type / Coding Etabloc PumpDrive 080-065-250/1104 GG

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demand data

Flow
Head
Geodetic head
Media Water
Liquid temperature 20 °C
Concentration 100 %

Pump data

Make KSB
Type Etabloc PumpDrive 080-065-250/1104 GG
Design Close-coupled pumps
Specific design Single head pump
Max. fluid temperature

Hydraulic data (Duty point)

Flow
Head
Efficiency
Minimum Efficiency Index ≥ 0,4

Material / sealing element

Volute casing Grey cast iron JL1040
Discharge cover Grey cast iron JL1040
Shaft Steel/tempered steel E335/C45
Impeller Grey cast iron JL1040
Bearing bracket lantern DPAF seal plate, asbestos-free
Casing wear ring Grey cast iron GG / cast iron

Motor data

Power uptake 11,8 kW
Rated power 11 kW
Speed 1.500 1/min
Rated voltage 400 V
Rated current 24,2 A
Degree of protection IP55

Product information

Ident. No./ type key 05130901
Weight loaded 162,6 kg
Gross price 15.949,59 EUR
PL 2025-01-20
Price group V3



Data sheet: performance curve

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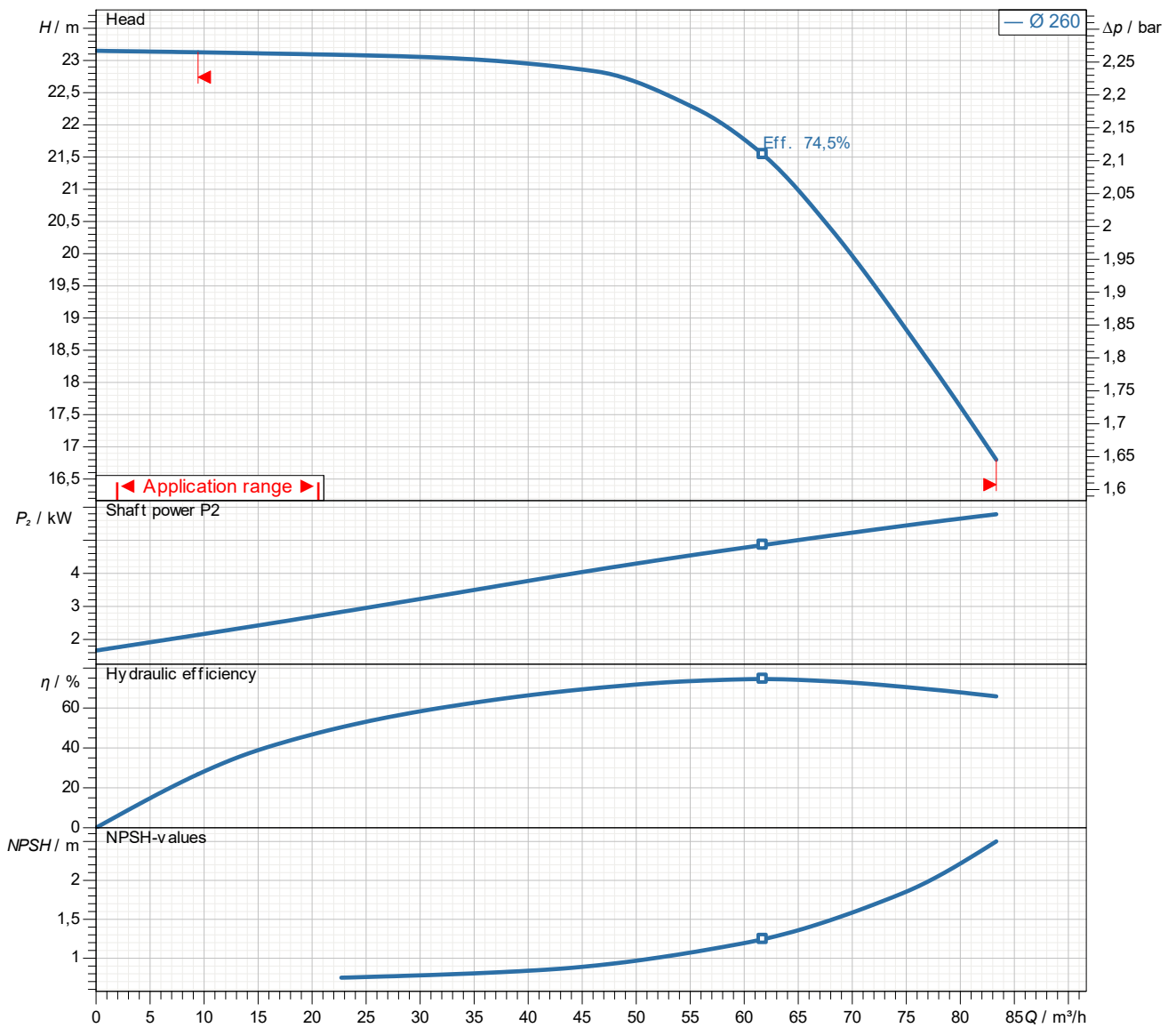
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Performance curve

Etabloc Pump Drive 080-065-250/1104 GG



Density 998,3 kg/m³
Viscosity 1,005 mm²/s



Name	Wert	Name	Wert
a	100 mm	n2	212 mm
a1	179 mm	p	199 mm
d1	14 mm	s1	18 mm
DN1	80 mm	x	140 mm
DN2	65 mm		
h1	180 mm		
h2	250 mm		
h3	185 mm		
m1	125 mm		
m2	95 mm		
n1	280 mm		