

Tender text

Project name

Project ID

Customer

Contact

E-mail

Phone

Company

Contact

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Phone

2025-01-20

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Pos.no	Description	Item no.
	Volute casing pump	
	Centrifugal pump: Etanorm 200-150-250/2204 GG	05120557
	Etanorm	
	Horizontal single-stage volute casing pump, ratings to EN 733, radially split volute casing with integrally cast pump feet, long-coupled design. The pump is designed with replaceable casing wear rings, closed radial impeller with multiply curved vanes, single mechanical seal or double mechanical seals to EN 12756, shaft equipped with replaceable shaft protecting sleeve in the shaft seal area. The back pull-out design allows the coupling, bearing brackets and impeller to be dismantled without the need to disconnect the pump casing from the piping.	

Operating data

Fluid handled	: Water
Flow rate	:
Head	:
Fluid temperature	: 20,00 °C
Permissible fluid temperature (min./max.)	: 0 bis +110
Maximum operating pressure	: ≤ 16 bar
Ambient temperature (min./max.)	: -10 to +50°C

Motor/electronics

MEI value	: ≥ 0,4
Motor rating	: 22 kW
Max. rated current	: 43,1 A
Speed	: 500 1/min ... 1.800 1/min
Power supply	: 3 x 380 V AC - 15 % to 480 V AC +10 %
Motor size	: 180L
Energy efficiency class	: IE3 = Premium Efficiency
Enclosure	: IP55
Motor make	: KSW - IEC

Materials

Pump casing (102)	: Grey cast iron JL1040
Impeller (230)	: Steel/tempered steel E335/C45
Pump shaft (210)	: Grey cast iron JL1040
Casing cover (161)	: Grey cast iron JL1040
Casing wear ring, suction side (502.01):	DPAF seal plate, asbestos-



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	free				
	Casing wear ring, discharge side (502.02): Grey cast iron GG / cast iron				
	Shaft seal type	: Single mechanical seal, conical casing cover			
	Shaft seal material	:10 = Q1Q1X4GG			
	Installation				
	Installation type	: Baseplate for the entire pump set (pump + drive)			
	Dimensions and connections				
	Nominal size of discharge nozzle DN2	: DN 150			
	Nominal diameter of suction nozzle DN1	: DN 200			
	Nominal pressure, suction side	: 16			
	Nominal pressure, discharge side	: 16			
	Purchase order information				
	Approx. net weight	: 471,6 kg			
	Make	: KSB			
	Type	: Etanorm 200-150-250/2204 GG			
	Material price group	: 55			
	Material number	: 05120557			

Data sheet: technical data

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Item-No.

Design

Type / Coding

Volute casing pump

Etanorm 200-150-250/2204 GG

Company

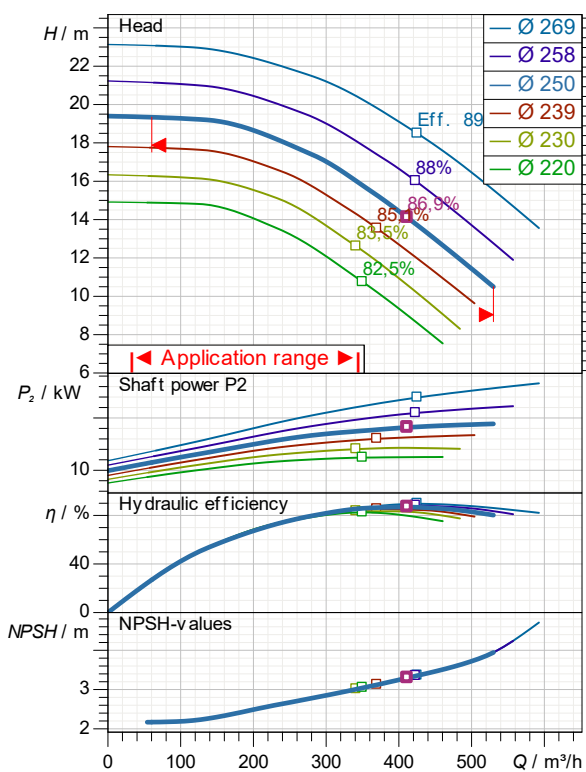
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demand data

Flow

Head

Geodetic head

Media

Liquid temperature

Concentration

Water

20 °C

100 %

Pump data

Make

Type

Design

Specific design

Max. fluid temperature

KSB

Etanorm 200-150-250/2204 GG

Volute casing pump

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

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

23,7 kW

22 kW

1.470 1/min

400 V

43,1 A

IP55

Product information

Ident. No./ type key

Weight loaded

Gross price

PL 2025-01-20

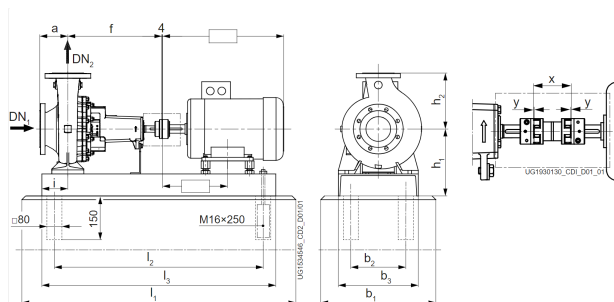
Price group

05120557

471,6 kg

20.608,59 EUR

55



Data sheet: performance curve

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Item-No.

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Type / Coding

Volute casing pump

Etanorm 200-150-250/2204 GG

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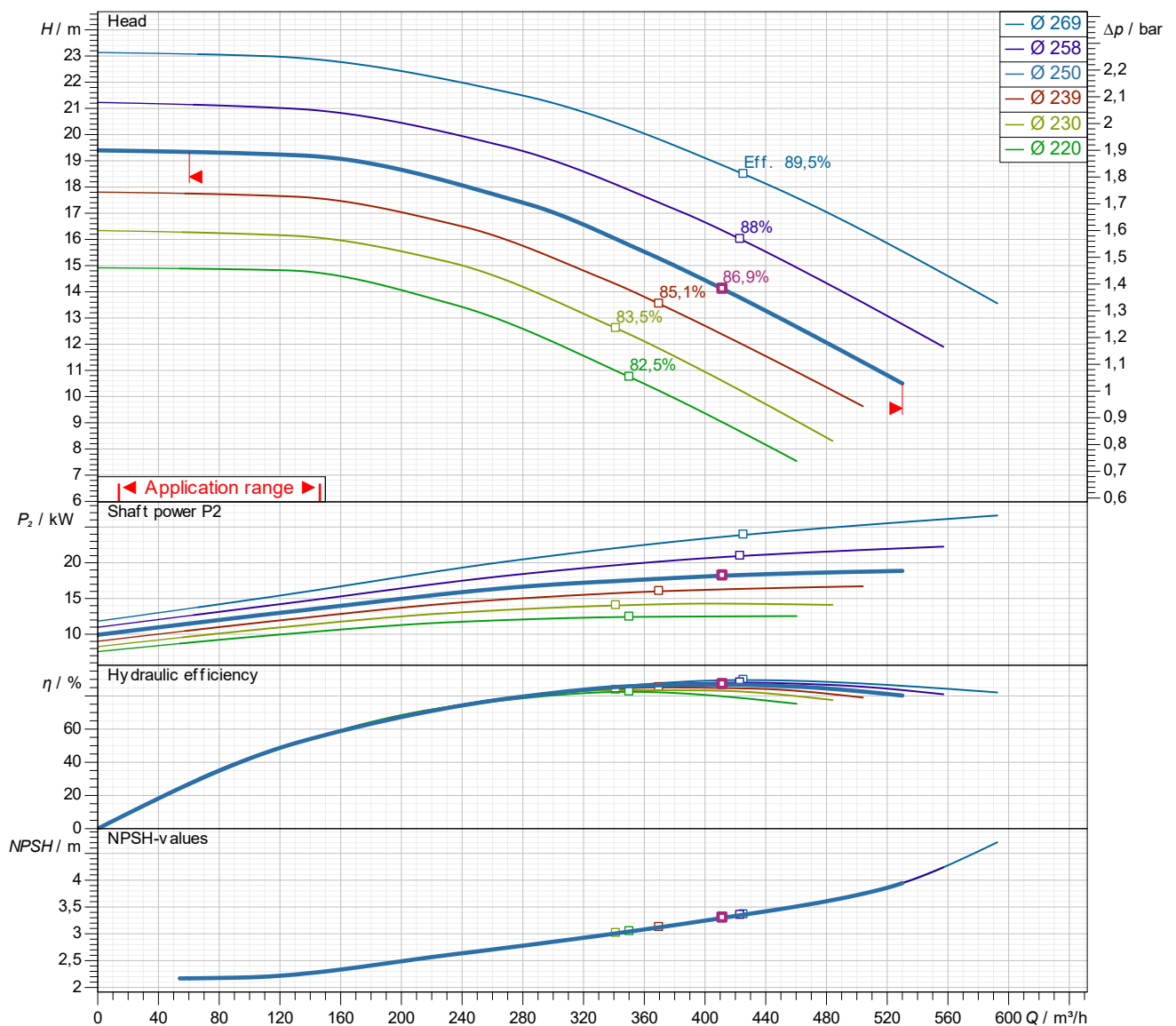
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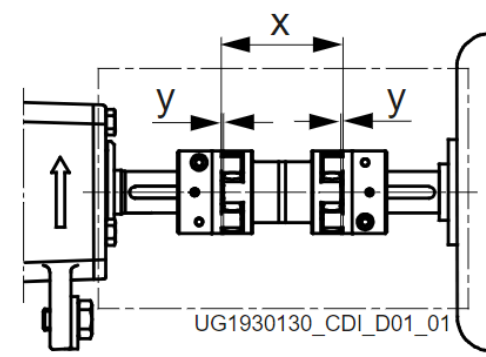
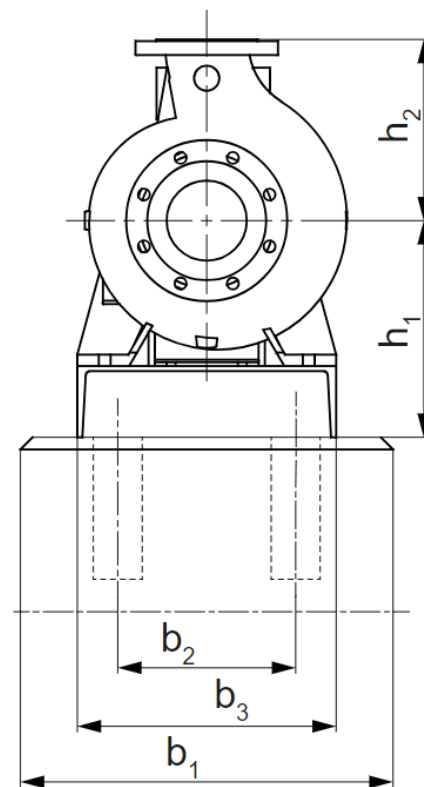
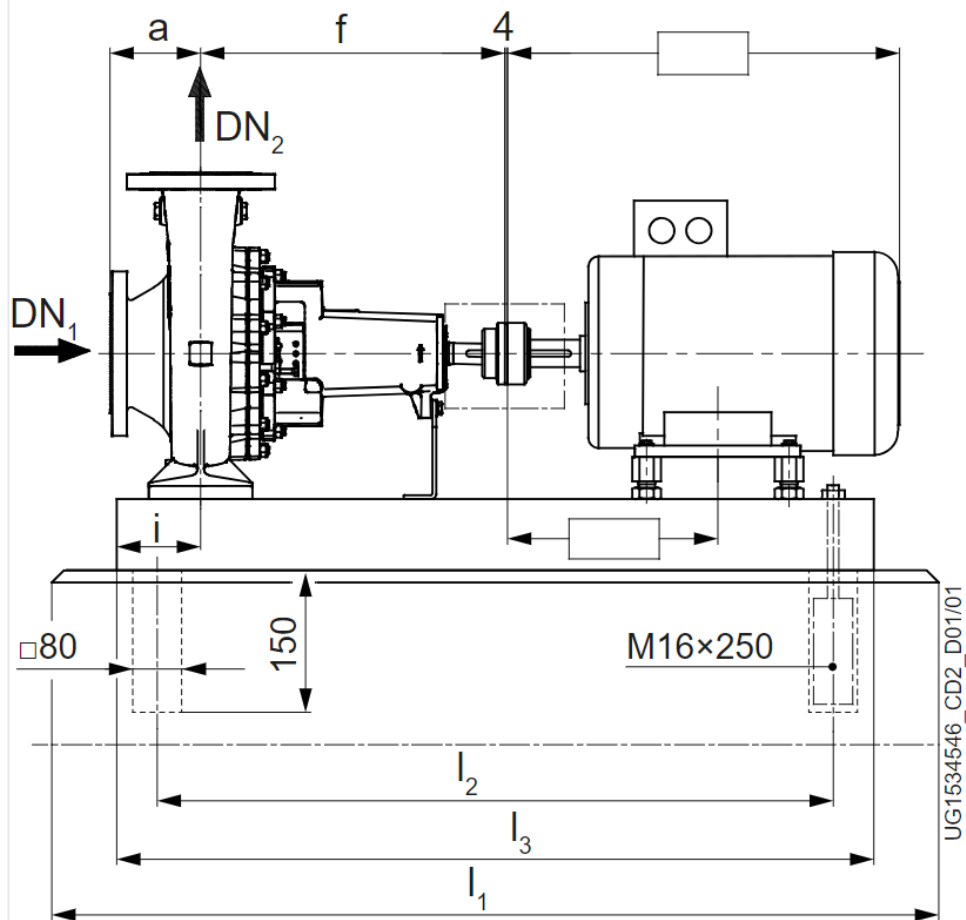
Performance curve

Etanorm 200-150-250/2204 GG



Density 998,3 kg/m^3

Viscosity 1,005 mm^2/s



Name	Wert	Name	Wert
a	160 mm	l2	1.060 mm
b1	810 mm	l3	1.600 mm
b2	600 mm	x	140 mm
b3	650 mm		
DN1	200 mm		
DN2	150 mm		
f	470 mm		
h1	420 mm		
h2	400 mm		
i	112 mm		
l1	1.750 mm		