

Tender text

Project name

Project ID

Customer

Contact

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Company

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Pos.no	Description	Item no.
	Volute casing pump	
	Centrifugal pump: Etanorm 200-150-315/4504 GG	05120562
	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	: 45 kW
Max. rated current	: 85 A
Speed	: 500 1/min ... 1.800 1/min
Power supply	: 3 x 380 V AC - 15 % to 480 V AC +10 %
Motor size	: 225M
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	: 742,4 kg			
	Make	: KSB			
	Type	: Etanorm 200-150-315/4504 GG			
	Material price group	: 55			
	Material number	: 05120562			

Data sheet: performance curve

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Design

Type / Coding

Volute casing pump

Etanorm 200-150-315/4504 GG

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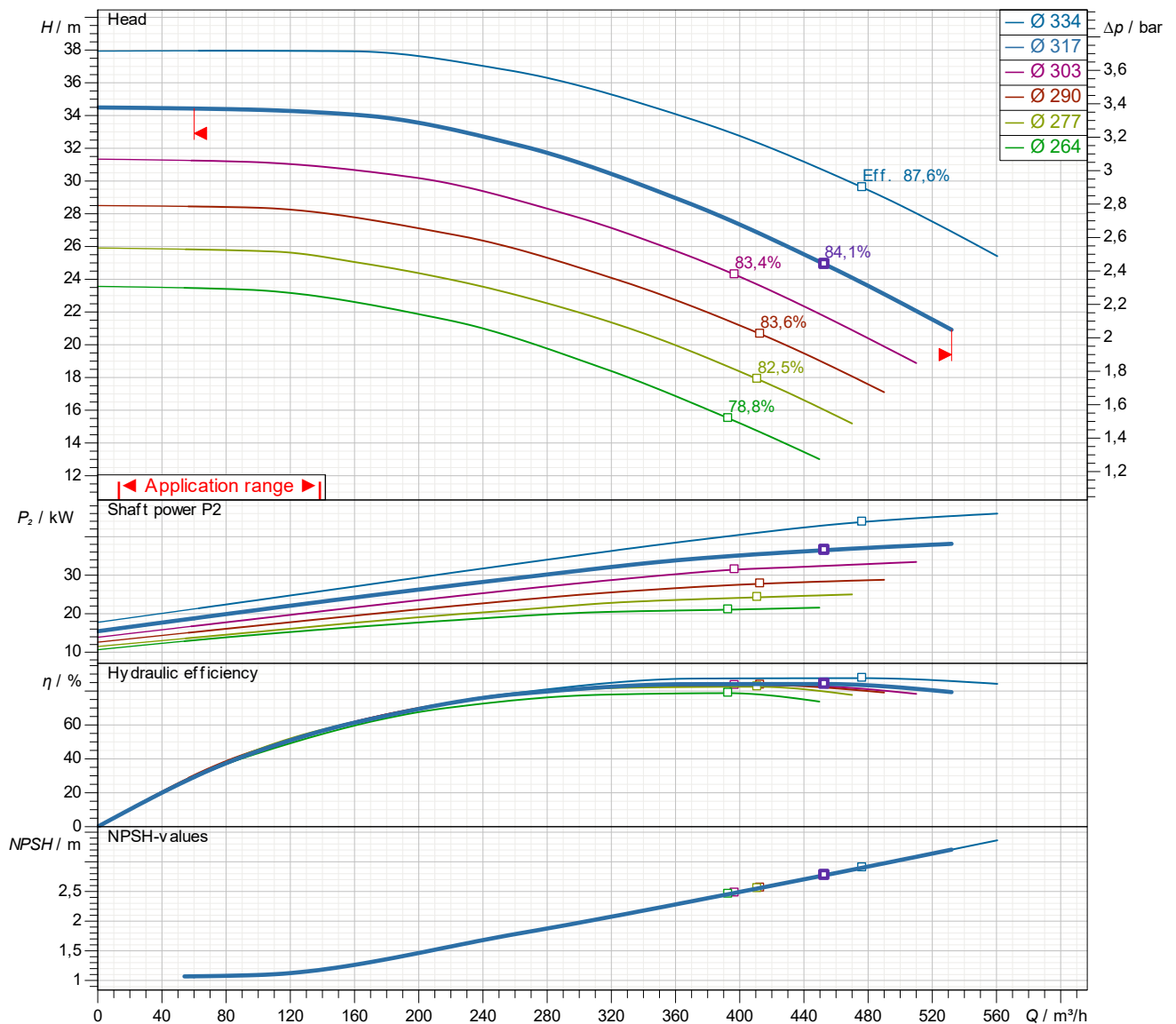
Phone

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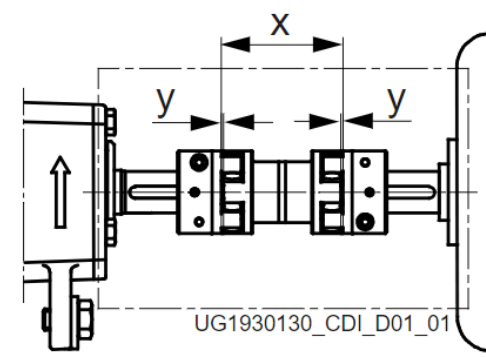
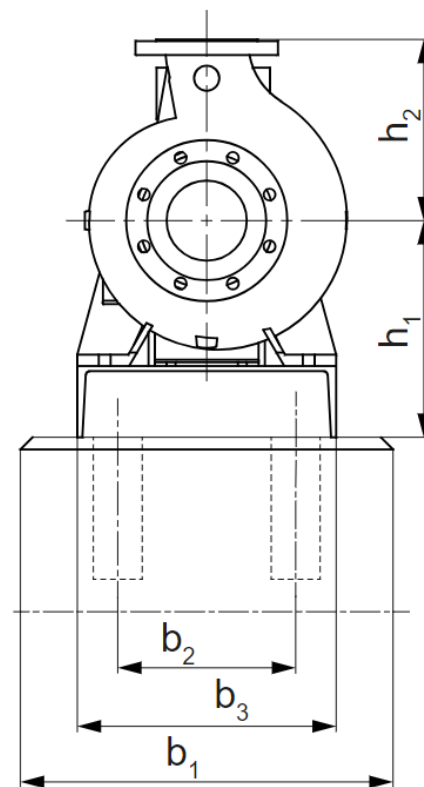
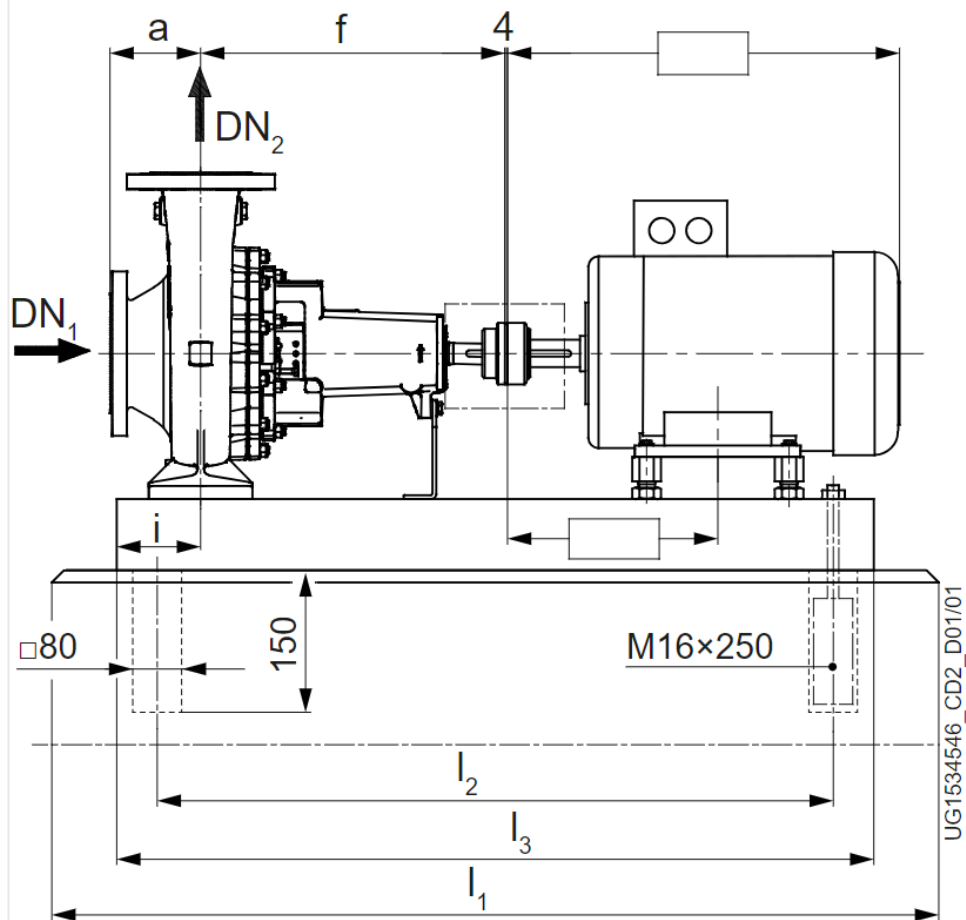
Performance curve

Etanorm 200-150-315/4504 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	880 mm	l3	1.600 mm
b2	670 mm	x	140 mm
b3	720 mm		
DN1	200 mm		
DN2	150 mm		
f	530 mm		
h1	420 mm		
h2	400 mm		
i	112 mm		
l1	1.750 mm		