



KSB EasySelect® Guided Tour

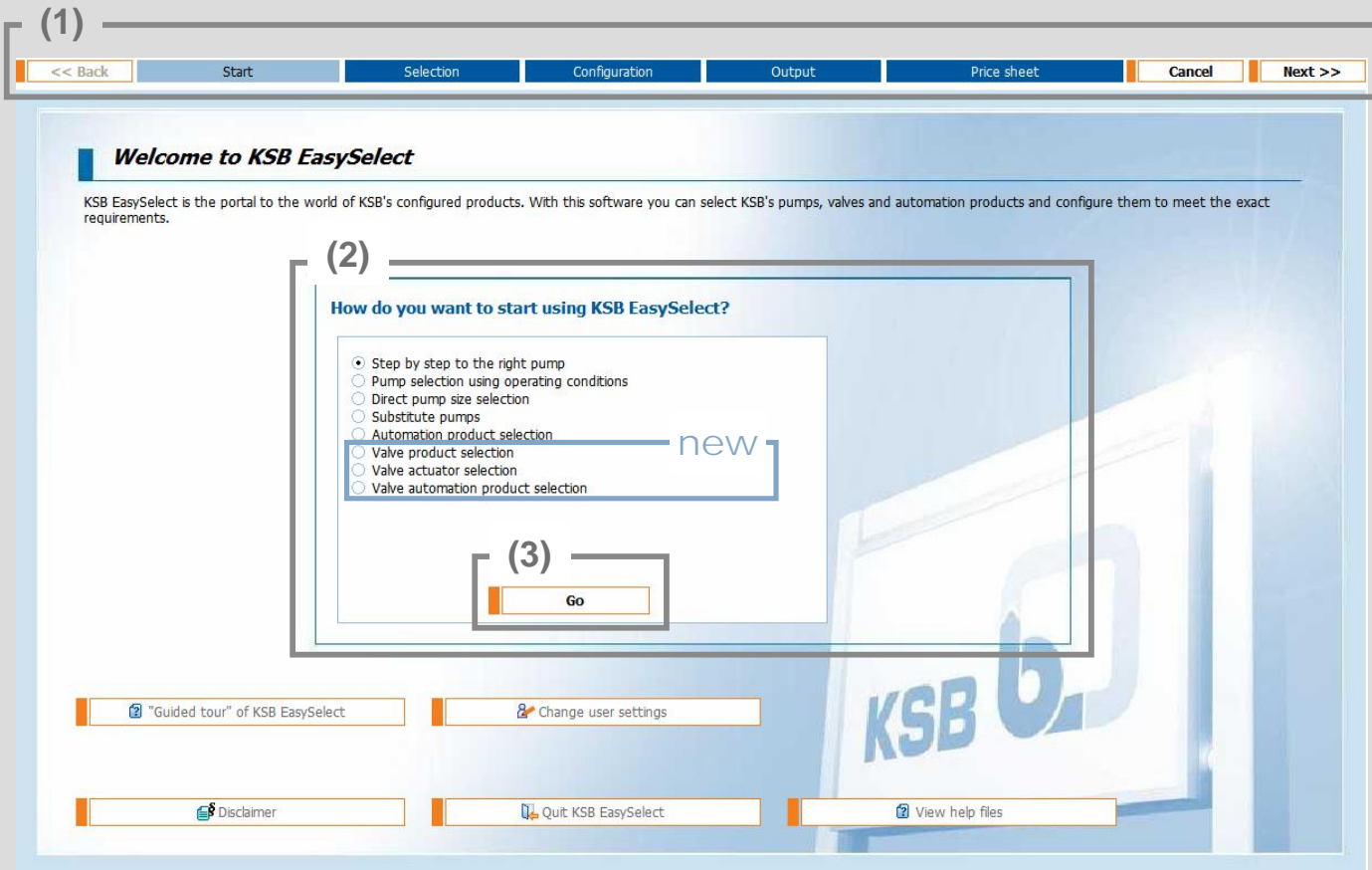
March 2011



KSB EasySelect ® - Guided Tour

List of contents

1. **Step by Step to the Right Pump**
2. Finding the right valve the easy way

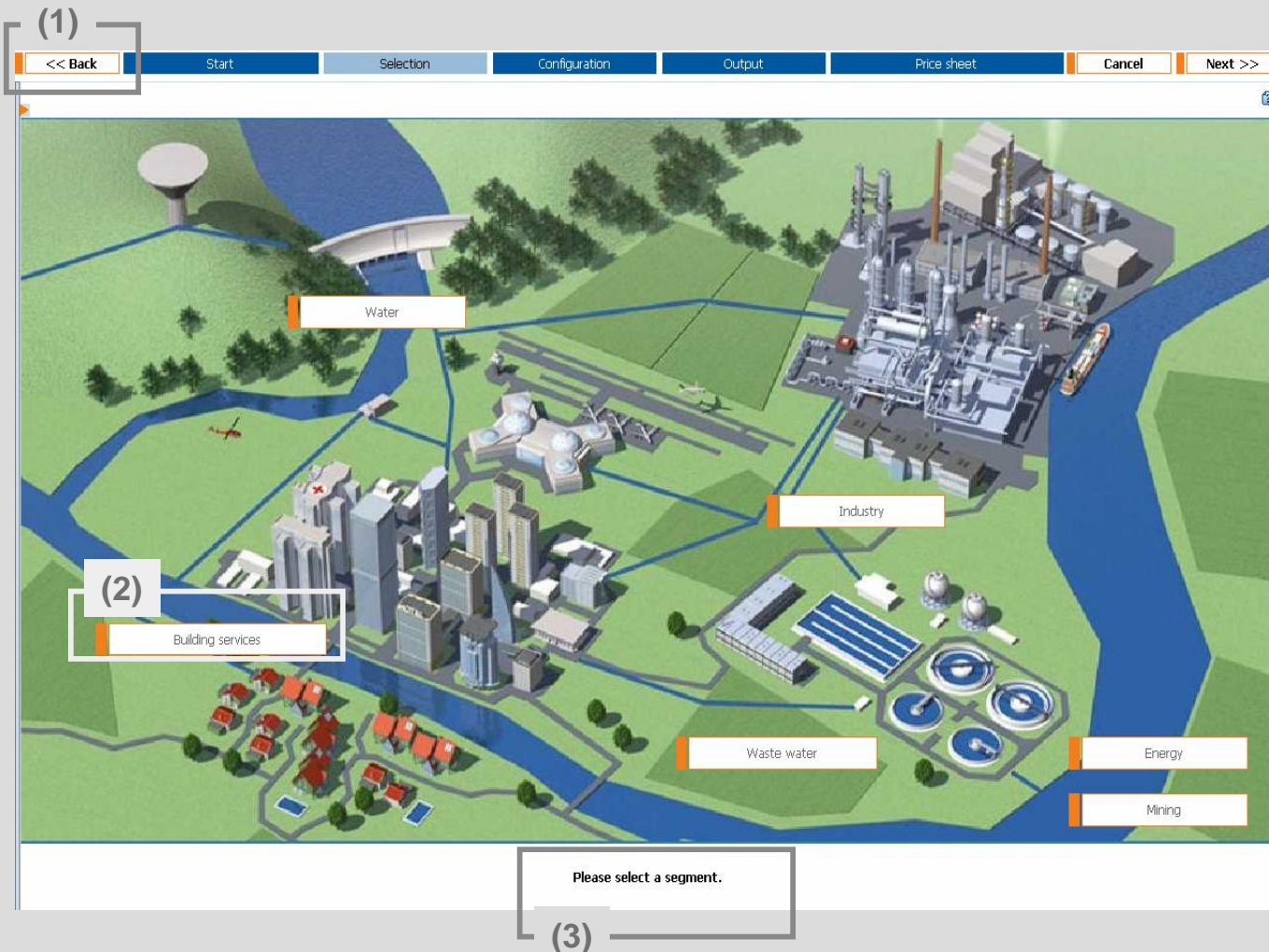


KSB EasySelect ® - Start Page

KSB EasySelect ® - Guided Tour Step by Step to the Right Pump

Start

- (1) The **navigation bar** is available during the entire KSB EasySelect ® session.
- (2) Choose how to **start** here.
- (3) Click on the button **“Go”** or **“Next”** (on the navigation bar) to start your product selection.



KSB EasySelect ® - Graphical Selection of “Segment”

KSB EasySelect ® - Guided Tour Step by Step to the Right Pump

Graphical Selection of “Segment”

- (1) “Back” button
- (2) Select the segment by clicking on its button (e.g. “Building services”).
- (3) Instructions are shown on each page.

<< Back Start Selection Configuration Output Price sheet Cancel Next >>

Building services

Please select

Heating, ventilation and air conditioning
Air conditioning and refrigeration engineering, service water, heating engineering, district heating and district cooling

Water supply
Pressure booster and fire fighting systems, rainwater utilisation, irrigation, swimming pools and domestic water supply

Drainage and waste water disposal
Waste water and sewage drainage, sewage lifting units, waste water pump stations

Go

Go

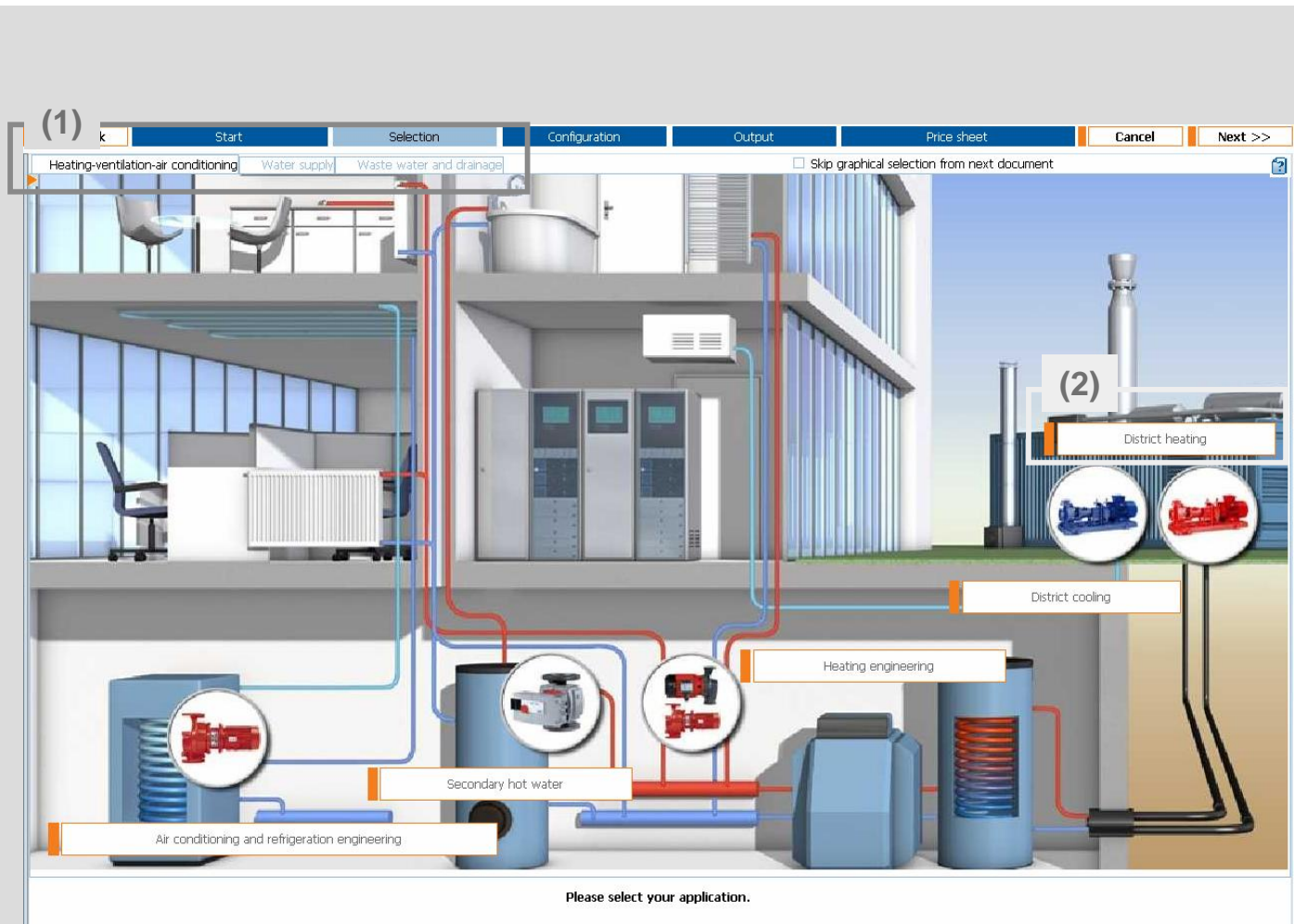
Go

Please select your general application.

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Graphical selection of general application

- (1) You can use the button **“Cancel”** to leave KSB EasySelect and return to the KSB Web-Shop or KSB Home Page.
- (2) **Select the general application** by clicking on the **“Go”** button



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Step by Step to the Right Pump

Graphical selection of application

- (1) You can switch between **general applications** with the register tabs.
- (2) Select the **application** by clicking on the button (e.g. "District heating")

The screenshot shows the KSB EasySelect software interface. At the top, there are navigation buttons: '<< Back', 'Selection', and 'Customer item'. Below these, the 'Product selection' window is open. The 'Options' tab is selected, and the 'Duty point' section is highlighted with a red box and the number (1). The 'Operating conditions' section is also visible. The 'Design' section at the bottom shows 'System design' set to 'Single system 1 x 100 %'.

Section	Parameter	Value	Unit
Application	Segment	Building services	
	General Application	Heating, ventilation and air	
	Application	District heating	
Medium	Water, high-temperature hot water, High-temperature hot water treated to VdTUV 1466		
	Operating temperature	130.0	°C
Duty point	Flow Q	200.00	m³/h
	Head H	25.00	m
Operating conditions	Static head Hstatic	0.00	m
	Minimum inlet pressure	3.00	bar.g
	Maximum inlet pressure	3.00	bar.g
Design	System design	Single system 1 x 100 %	

Type series selection: Please select a design or type series (options)

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Step by Step to the Right Pump

Product selection

- (1) **Step 1:** Input the **operating point** here. There are various tools to assist the input (e.g. pipe calculator).
- (2) On the register tab “**Options**” you can specify more requirements.

(2)

<< Back
Start
Selection
Configuration
Output
Price sheet
Cancel
Next >>

Product selection

Technical design
Options
Customer item

Application

Segment *
☒ Building services

General Application *
☒ Heating, ventilation and air c

Application *
☒ District heating

Medium

Water, high-temperature hot water, High-temperature hot water treated to VdTUV 1466

Operating temperature *
130.0 °C

Duty point

Flow Q *
200.00 m³/h

Head H *
25.00 m

Operating conditions

Static head Hstatic H_{sg}
0.00 m

Minimum inlet pressure *
3.00 bar.g

Maximum inlet pressure *
3.00 bar.g

Design

System design *
☒ Single system 1 x 100 %

Construction method

☐ Baseplate pump ☐ Close-coupled pump


☐ Inline pump

(1)


Hydraulic search

Product	
<input checked="" type="checkbox"/> Etanorm/Etabloc	
<input checked="" type="checkbox"/> Etaline / Etaline Z	
<input checked="" type="checkbox"/> HPK / HPK-L	

(1)



Etabloc family



Etanorm family

Max. disch. press.: 16.00 bar.g

Qmax: 2280.00 m³/h

Qmin: 1.00 m³/h

Max. head: 160.00 m

Min. temperature: -30.0 °C

Max. temperature: 350.0 °C

Etabloc family

Close-coupled, single-stage volute casing pump with ratings to EN 733. Replaceable shaft protecting sleeves and impeller wear rings.

Type series selection: Please select a design or type series (optional) and click "Next" to continue. The selection defaults to the type series recommended by KSB.

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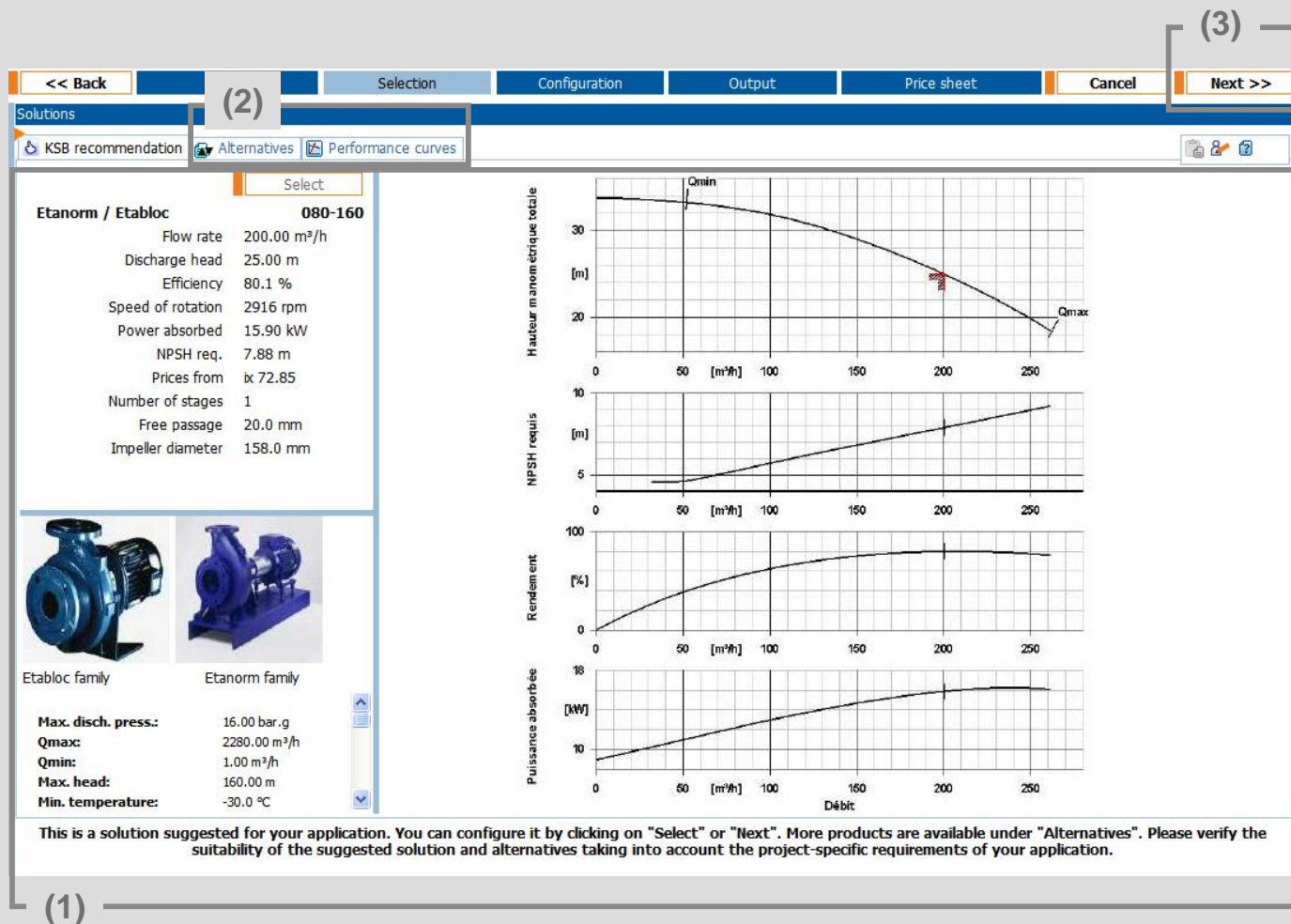
Step by Step to the Right Pump

Product selection

(1) **Step 2:** Optionally **select product types or specific products**. The products recommended by KSB for the application are automatically preselected.

 Click on the icon for more **product information**.

(2) **Step 3:** Click on the button "Next" or "Hydraulic search" to find the appropriate **KSB solution**.



KSB EasySelect® - Guided Tour Step by Step to the Right Pump

Solution suggestion

- (1) The **KSB recommendation** is shown with its key information such as hydraulic data, curve and product data.
- (2) On the register tab **"Alternatives"** you can see additional pump sizes which fit your requirements. You can compare pump curves together on one diagram on the **"Performance curves"** tab.
- (3) Click on the button "Select" or "Next" to **continue configuration** of the selected solution.

(3)

<< Back Start Selection Configuration Output Price sheet Cancel Next >>

Etanorm G 080-160 G3

Customer item

Variant ☒ KSB basic design

Order quantity
By entering the desired quantity and clicking on Next, you are NOT placing an order.

Base price found ☒ ☒
Standard delivery 8.00 working days up to quantity 9

Configuration summary

Etanorm G 080-160 G3

Hydraulic performance

Flow rate	200.02 m³/h
Discharge head	25.01 m
Efficiency	79.7 %
Effective hydraulic diameter	156.8 mm

Basic design

Type series	Etanorm	Construction method	Baseplate mounted, long-coupled
Driver type	Electric motor	Shaft axis position	Horizontal
Installation variant	Dry		

Materials

Material code	G	Wear ring material	Cast iron/Cast iron
Impeller material	Grey cast iron JL 1040	Stud bolts material	Steel 8.8
Shaft material	Steel/Tempered steel E335/C45		

Bearings

Bearing bracket execution	Standard (normal)	Lubrication type	Grease
Bearing type	Anti-friction bearings	Lubrication monitoring	Without
Bearing seal	V ring		

Flanges

Additional flange

(2)

(1) Check the configuration in the overview. Enter the desired quantity and click on "Next". You can change the configuration or select accessories using the "Change" and "Select accessories" buttons.

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Step by Step to the Right Pump

Configuration overview

- (1) This window shows a **summary** of the current configuration.
- (2) By clicking on **"Select accessories"** you can find accessories which match the configured product. With the **"Change"** button you can modify the product configuration.
- (3) Click on **"Next"** to continue to the output page.

<< Back Start Selection

Document selection

	Selected	Format
[-] Sales document	<input type="checkbox"/>	
GAEB output	<input checked="" type="checkbox"/>	xml
[-] Customer item (pump)	<input type="checkbox"/>	
[-] Etanorm G 080-160 G3	<input type="checkbox"/>	
Internal data sheet	<input checked="" type="checkbox"/>	pdf
Technical data sheet	<input checked="" type="checkbox"/>	pdf
Compact data sheet	<input checked="" type="checkbox"/>	pdf
Performance curve	<input checked="" type="checkbox"/>	pdf
Speed curve	<input checked="" type="checkbox"/>	pdf
General arrangement drawing	<input checked="" type="checkbox"/>	pdf
Auxiliary connection plan	<input checked="" type="checkbox"/>	pdf
Schematic drawing with allowable	<input checked="" type="checkbox"/>	pdf
Text for invitation of tenders	<input checked="" type="checkbox"/>	pdf
CAD File Request Form	<input type="checkbox"/>	html

(2) _____

(1) _____

KSB EasySelect ® - Output

KSB EasySelect ® - Guided Tour

Step by Step to the Right Pump

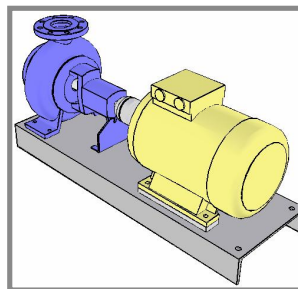
Output

- (1) Click on the desired **technical documentation** to get a preview in Acrobat Reader, where you also can **print or save** the document.



Delete items with this icon.

- (2) Output of **CAD files** in over 40 different formats sent via e-mail.



(2)

(1)

<< Back

Start

Selection

Configuration

Output

Price sheet

Cancel

Next >>

Document language

English


Document selection

	Selected	Format
Sales document	<input type="checkbox"/>	
GAEB output	<input checked="" type="checkbox"/>	xml
Customer item (pump)	<input type="checkbox"/>	
Etanorm G 080-160 G3	<input type="checkbox"/>	
Internal data sheet	<input checked="" type="checkbox"/>	pdf
Technical data sheet	<input checked="" type="checkbox"/>	pdf
Compact data sheet	<input checked="" type="checkbox"/>	pdf
Performance curve	<input checked="" type="checkbox"/>	pdf
Speed curve	<input checked="" type="checkbox"/>	pdf
General arrangement drawing	<input checked="" type="checkbox"/>	pdf
Auxiliary connection plan	<input checked="" type="checkbox"/>	pdf
Schematic drawing with allowable	<input checked="" type="checkbox"/>	pdf
Text for invitation of tenders	<input checked="" type="checkbox"/>	pdf
CAD File Request Form	<input type="checkbox"/>	html

Preview

This is almost the last page of your configuration (see note at bottom of screen).

When you have finished printing or saving your documentation click "Next" to move to the price sheet.



Document processing (only for pdf-format)

☒ All selected documents

☒ For all items

Preview / Print

Click on a document name to see the preview on the right. Use context menu to see the preview in separate window. To delete positions use the delete icon in the tree. To navigate to price sheet or to create a new position please click on "Next".

KSB EasySelect ® - Guided Tour

Step by Step to the Right Pump

Output

- (1) Switch the **document language** here
- (2) Click on **"Next"** to continue to the price sheet.

Navigation bar: << Back | Start | Selection | Configuration | Output | Price sheet | Cancel | Next >>

(3) [Next >> button]

(2) [In shopping cart and exit button]

(1) [Price information box]

Price information on the product(s) you selected:

Pos.	Quant.	Designation	Weight	Net price
00	02000001	Etanorm G 080-160 G11	233,000 KG	4.919,40 EUR
1 ST				

Method of installation: Pump, basepl., coupling, motor
 Type series: Etanorm
 Size: Size 80-160
 Shaft seal code: BQ1EGG Single-act. MS
 Material variant: Material variant G
 Baseplate type: U-Profile baseplate
 Coupling type: non Spacer type (N)
 Motor-Make: KSB
 Shaft seal type: Single-acting mechan. seal

Sum per aggregate 233,000 KG 4.919,40 EUR

Click on "Back" to delete an item. Click on 'Next' to create a new position. Click on "Add to shopping cart and exit" to transfer these items to your KSB Web Shop shopping cart and return to the KSB Web Shop. Click on "Cancel" to go back to the KSB Web Shop or KSB homepage.

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Step by Step to the Right Pump

Price sheet and shopping cart
(only for registered company users)

(1) **Price overview** for the configured product

 **Print the price sheet.**

(2) Click on **"In shopping cart and exit"** to transfer the product to your web-shop shopping cart.

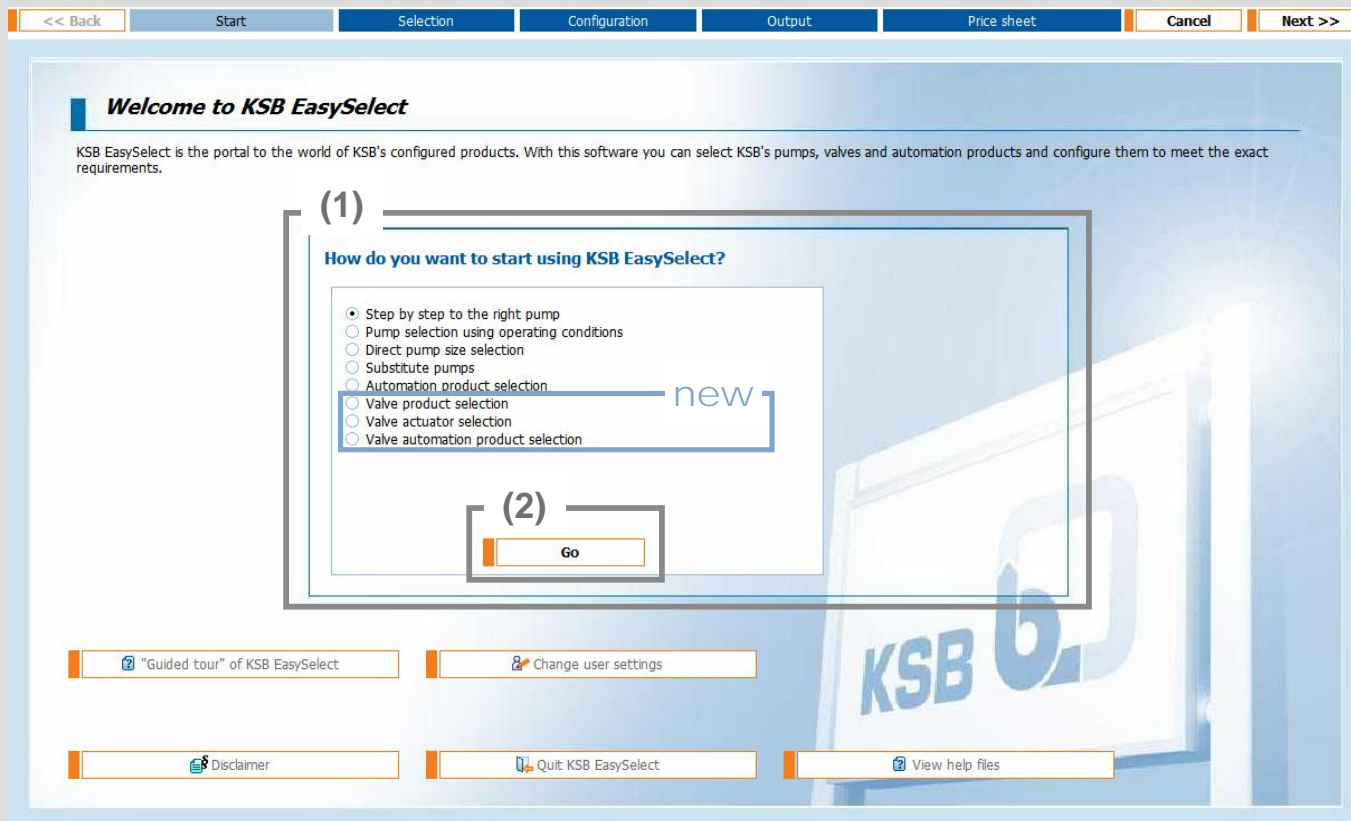
(3) Use the **"Next"** button to return to the start page to add **new items** or to **stop** KSB EasySelect.



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List of contents

1. Step by Step to the Right Pump
- 2. Finding the right valve the easy way**



KSB EasySelect ® - Start Page

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Finding the right valve the easy way

Start

- (1) Choose how to start your **"Valve selection"** here.
- (2) Click on the button **"Go"** or **"Next"** (on the navigation bar) to start your valve selection.

(4)

<< Back
Start
Selection
Configuration
Output
Price sheet
Cancel
Next >>

Valve product selection
Customer item

Medium

Medium Liquid, without further specification

Temperature min. 20.0 °C

Temperature max. 20.0 °C

Ambient air temperature 20.0 °C

Operating conditions


Nominal pressure Any


Connection Any


System pressure 0.00 bar.g


Type of pipe connection Any


Construction method



☐ Butterfly valve



☐ Strainer


☐ Swing check valve


☐ Gate valve


☐ Globe valve



☐ Ball valve


☐ Diaphragm valve


Product line

Select

Product	
BOAX	
DANAIS 150	
DANAIS MT II	
ISORIA	
KE PLASTOMER / KE ELASTOMER	
SERIE 2000	
AKG-A / AKGS-A	
AKR / AKRS	
BOA-Compact / EKB	



BOAX-S/-SF/-N



BOAX-B

Max. disch. press.: 16.00 bar.g

Min. temperature: -10.0 °C

Max. temperature: 130.0 °C

BOAX-S/-SF/-N


Butterfly valve for building services (Heating, air-conditioning, drinking water), with thermal isolating device, EPDM elastomer liner (XU). With lever, manual gearbox or electric actuator. Semi-lug type body (type T2) or full-lug type body with raised faces (type T4). downstream disconnection possible. DN 65/100/125/150/200/250/300/350/400/450/500/600/650/700/800/900/1000/1200/1400/1600/1800/2000/2200/2400/2600/2800/3000/3200/3400/3600/3800/4000/4200/4400/4600/4800/5000/5200/5400/5600/5800/6000/6200/6400/6600/6800/7000/7200/7400/7600/7800/8000/8200/8400/8600/8800/9000/9200/9400/9600/9800/10000

Select the desired product design type schematic (optional). Click on a line in the product list to see further information about the product. Click on "Select" or "Next" to continue with the product you've selected.

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Finding the right valve the easy way

Valve selection

- (1) Step 1: Input the **operating point** here.
- (2) Optional selection by **design**
- (3) Step 2: Click on one of the lines in the **product list**.
-  Click on the icon for more **product information**.
- (4) Step 3: Click on the button "Next" or "Select" to find the appropriate **KSB solution**.

(3)

<< Back Start Selection Configuration Output Price sheet Cancel Next >>

General design

Variant: ☒ KSB basic design

Valve design

Type series: ☒ BOAX

Design concept: ☒ BOAX S

Nominal size: ☒ DN 40

Body type: ☒ Semi-lug type (T2)

Special design: ☒ Standard

Temperature measurement drilling: ☒ with

(1)

Pressure limits

	Allowed	Existing
Pressure rating of the Liner		<input checked="" type="checkbox"/> 16,00 bar
Maximal system pressure (line)	16.00 bar.g	<input checked="" type="checkbox"/> 16.00 bar.g
Minimum pressure (vacuum oper.)	0.20 bar.g	
Maximal pressure difference	16.00 bar	<input checked="" type="checkbox"/> 16.00 bar

Notes

(2)

KSB EasySelect ® - Guided Tour

Finding the right valve the easy way

General design

- (1) On the **general design** page you can define the valve design.
- (2) Here is an overview of the **pressure limits**.
- (3) Click on “**Next**” to continue to the actuator selection page.

(2)

<< Back Start Selection Configuration Output Price sheet Cancel Next >>

Actuator selection

Variant ☒ KSB basic design

Boundary conditions

Head flange type	F04 acc. to ISO 5211
Shaft end form	Flat head (H) acc. to ISO 5211
Shaft end dimensions	9.0 mm
Required nominal torque	20 Nm

Actuator selection ☒ Lever

(1)

KSB EasySelect ® - Guided Tour

Finding the right valve the easy way

Actuator selection

- (1) Here you can select an **actuator** for the selected valve.
- (2) Click on “**Next**” to continue to the configuration overview page.

(3)

<< Back
Start
Selection
Configuration
Output
Price sheet
Cancel
Next >>

BOAX-S DN40 T2 PN10 3g6k6gXU - Lever LP 165 mm

Customer item

Variants
 Variant ✔ KSB basic design

Order information
 Order quantity
 By entering the desired quantity and clicking on Next, you are NOT placing an order.

 Base price found ✔✔
 Standard delivery ✔✔ 8.00 working days up to quantity 20

Configuration summary
Actuator Selection Change

BOAX-S DN40 T2 PN10 3g6k6gXU - Lever LP

Ident-numbers
Ident number:

General design
Type series BOAX
Nominal size DN 40

Connection
Standard EN 1092
Nominal diameter DN 40
Hole execution Without

Materials
Casing material 3g - Spheroidal graphite cast iron
Shaft material 6k - Stainless steel 13% Cr.

Protection type
Ex protection Without
Device category

Coating
Primer Without

Body type Semi-lug type (T2)	Special design Standard
Connection PN 10	Compatible with pipe flange facing Raised face (B / RF)
Flow direction In both directions	
Disc material 6g - Stainless steel	Liner material XU - E.P.D.M
ATEX Without	Temperature classes aggregate without
Intermediate coating Without	

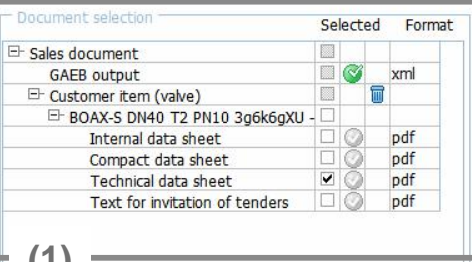


Check the configuration in the overview. Enter the desired quantity and click on "Next". You can change the configuration or select accessories using the "Change" and "Select accessories" buttons.

KSB EasySelect ® - Guided Tour

Finding the right valve the easy way

Configuration overview

- (1) This window shows a **summary** of the current configuration.
- (2) Click on "**Actuator selection**" to select a suitable actuator and control equipment for the current configuration. With the "**Change**" button you can modify the product configuration.
- (3) Click on "**Next**" to continue to the output page.


(1)  (2)  (3) 

Document selection	Selected	Format
Sales document	<input type="checkbox"/>	
GAEB output	<input checked="" type="checkbox"/>	xml
Customer item (valve)	<input type="checkbox"/>	
BOAX-S DN40 T2 PN10 3g6k6gXU	<input type="checkbox"/>	
Internal data sheet	<input type="checkbox"/>	pdf
Compact data sheet	<input type="checkbox"/>	pdf
Technical data sheet	<input checked="" type="checkbox"/>	pdf
Text for invitation of tenders	<input type="checkbox"/>	pdf

Preview

This is almost the last page of your configuration (see note at bottom of screen).

When you have finished printing or saving your documentation click "Next" to move to the price sheet.



Document language: ☒ English

Document processing (only for pdf-format):
☒ All selected documents ☒ For all items

Preview / Print

Click on a document name to see the preview on the right. Use context menu to see the preview in separate window. To delete positions use the delete icon in the tree. To navigate to price sheet or to create a new position please click on "Next".

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Finding the right valve the easy way

Output

(1) Click on the desired **technical documentation** to get a preview in Acrobat Reader, where you also can **print or save** the document.

 **Delete** items with this icon.

(2) Switch the **document language** here

(3) Click on “**Next**” to continue to the price sheet.

Navigation bar: << Back | Start | Selection | Configuration | Output | Price sheet | Cancel | Next >>

(3) [Next >> button]

(2) [In shopping cart and exit button]

(1) [Price information box]

Price information on the product(s) you selected:

Pos.	Quant.	Designation	Weight	Net price
100	02005205	BOAX-S DN40 T2 PN10	1,200 KG	127,94 EUR
1	ST	3g6k6gXU - Lever LP 165 mm		
Sum per aggregate			1,200 KG	127,94 EUR

Click on "Back" to delete an item. Click on "Next" to create a new position. Click on "Add to shopping cart and exit" to transfer these items to your KSB Web Shop shopping cart and return to the KSB Web Shop. Click on "Cancel" to go back to the KSB Web-Shop or KSB homepage.

KSB EasySelect ® - Guided Tour

Finding the right valve the easy way

Price sheet and shopping cart
(only for registered company users)

(1) **Price overview** for the configured product

 **Print the price sheet.**

(2) Click on **"In shopping cart and exit"** to transfer the product to your web-shop shopping cart.

(3) Use the **"Next"** button to return to the start page to add **new items** or to **stop** KSB EasySelect.