

# Biral PumpSelector 5

05.03.2019



# What's new

## AT A GLANCE:

- + Innovative, intuitive operating concept
- + Same user interface for web and desktop versions  
(desktop version to follow)
- + QuickSearch for even faster selection based on the operating point
- + Pump comparison
- + Flexible user rights system
- + Improved project management

# Overview from pump selection to the project

# From pump selection to the project

## 1. Pump selection

1. Pump selection
  - Hydraulic selection
  - Direct pump selection
  - Quick search
  - Product search
  - Pump replacement
2. Characteristic line conversion and configuration
3. Accessories selection
4. Shopping basket
5. Project management

The screenshot displays the Biral PumpSelector online interface. The top navigation bar includes the Biral logo, a user profile for Adrian Hunziker, settings, and language options. The main content area features a grid of icons for different selection methods: 'Pumpenaustausch (www.biral.ch)' (Pump replacement), 'Projekt öffnen' (Open project), 'Pumpenaustausch' (Pump replacement), 'Hydraulische Auswahl' (Hydraulic selection), 'Produktsuche' (Product search), 'Pumpen-Direktauswahl' (Direct pump selection), and 'Schnellsuche' (Quick search). A sidebar on the right shows a search filter for 'Pumpen-Baureihen' (Pump series) with a dropdown menu and a search button. The bottom of the interface features the VSA logo and the text 'VORBEREITUNG'.

**Biral**

Adrian Hunziker | Einstellungen | Sprache

**PumpSelector online**

Biral Tools - Planung leicht gemacht

Biral Tools sind so intelligent wie unsere Pumpen und unterstützen Sie bei der Auswahl und Planung.

Pumpenaustausch (www.biral.ch)

Projekt öffnen

Pumpenaustausch

Hydraulische Auswahl

Produktsuche

Pumpen-Direktauswahl

Schnellsuche

Q in m³/h | H in m | 50 Hz

Produkte filtern

Bitte auswählen

Pumpen-Baureihen

Keine Einträge gefunden.

VSA  
VORBEREITUNG



# From pump selection to the project

## 3. Accessories selection

### 1. Pump selection

- Hydraulic selection
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- Product search
- Pump replacement

### 2. Characteristic line conversion and configuration

### 3. Accessories selection

### 4. Shopping basket

### 5. Project management

**Biral** Zubehöerauswahl

Anmelden Einstellungen Sprache

Filter

- Heizungsumwälzpumpen
  - Zubehör Heizungspumpen
    - BIM Biral Interfacemodule**
    - Set zum Längenausgleich (R - DN)
    - Set zum Längenausgleich (R)
    - Verschraubungen

Verfügbares Zubehör

Pos. Nr.	Anz.	Bezeichnung	Artikelnummer	EP
1	1	BIM B3 Steuermodul	1672420150	Prs. a. Anr.

Artikel auswählen


Produktbeschreibung

Zusatzinformationen

Dokument

1 von 80

Automatischer Zoom



**Biral Interface Modul BIM B3**  
Steuer-Modul – Module de commande – Modulo di comando  
Control module – Regelmódulo

Montage- und Betriebsanleitung (Seite 9)  
Instructions d'installation et d'entretien (page 22)

Ausgewähltes Zubehör

Pos. Nr.	Anzahl	Bezeichnung	Artikelnummer	EP
1	1	Zubehör: BIM B3 Steuermodul	1672420150	Prs. a. Anr.


Zurück Fertigstellen Abbruch







# From pump selection to the project


## 5. Project management


1. Pump selection
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5. Project management


 Unbenanntes Projekt 2018-11-21 16:10:46.426


  Adrian Hunziker  Einstellungen  Sprache


Aktuelles Projekt


 Projektdaten ändern


 Preiskalkulation


 Dokumentenvorschau

 Neue Auswahl

 Einstellungen

 Besteller

 Lieferant

 Berechtigungen

Typ

Anfrage

Projektname

Unbenanntes Projekt 2018-11-21 16:10:46.426

Projektnummer

-

Ausgabedatum

Wednesday, 21.11.2018

Letzte Änderung

Wednesday, 21.11.2018

Währung

EUR

Preisstand vom





Referenzdatum für die Preisbestimmung

Thursday, 29.11.2018




# 1. Pump selection

# 1. Pump selection


Adrian HunzikerEinstellungenSprache

### PumpSelector online




**Biral Tools - Planung leicht gemacht**


Biral Tools sind so intelligent wie unsere Pumpen und unterstützen Sie bei der Auswahl und Planung.




Pumpenaustausch ([www.biral.ch](http://www.biral.ch))




Pumpenaustausch



Hydraulische Auswahl



Produktsuche



Pumpen-Direktauswahl

Q in m³/h | H in m | 50 Hz


**Produkte filtern**

Bitte auswählen

**Pumpen-Baureihen**

Keine Einträge gefunden.

Schnellsuche



1. Pump selection
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# 1. Pump selection

The user-specific product data stored in the database program is linked logically to predefined selection parameters and calculation methods during the selection process to ensure that users are presented with pumps that meet their specifications.

Users have various options for selecting the right pump.

1. **Hydraulic selection** based on operating point
2. **Direct pump selection** based on series name
3. **New Quick search:** Fast, qualified hydraulic selection directly from the start window based on the specification of Q and H
4. **Product search** based on name or item number
5. **Pump replacement** for replacing an existing pump
6. **New Pump replacement with hyperlink** on the Biral website

## 1. Pump selection

- Hydraulic selection
- Direct pump selection
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- Pump replacement

## 2. Characteristic line conversion and configuration

## 3. Accessories selection

## 4. Shopping basket

## 5. Project management


# 1. Pump selection

## Hydraulic selection



The hydraulic selection enables pumps to be designed and configured in accordance with specified operating conditions such as area of application, pumped medium, pumped quantity and pump height. PumpSelector 5 also supports the **selection of several operating points**, including for different fluids. Single pumps can be used or several pumps of the same type can be connected in parallel or series.


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 **Hydraulische Auswahl: Einsatzgebiet und Medium** ↻ Adrian Hunziker ⚙️ Einstellungen 🌐 Sprache

**Einsatzgebiete**

- Heizung Lüftung
  - Nassläufer-Umwälzpumpen**
    - Hocheffiziente Premium Umwälzpumpen
  - Inline-Pumpen
  - Norm-Pumpen
- Klima Kälte
- Brauchwasser
- Wasserversorgung
- Abwasserentsorgung

**Baureihe**



 Kennfeldübersicht

☒ Bilder ausblenden  
☐ Ungültige ausblenden

Antrieb: 50 Hz  
Polzahl: Beliebig

Baureihe
<input checked="" type="checkbox"/> ModulA-D..RED
<input checked="" type="checkbox"/> ModulA..RED
<input checked="" type="checkbox"/> PrimAX..RED

**Betriebsdatenvorgabe**

Auslegungsbetriebspkt. A1 + -

☐ Keine Vorgabewerte verwenden  
☐ Berechnete Zeilen anzeigen  
☐ Alle Medien anzeigen

**Mehr Optionen anzeigen**

**Schaltungsart**  
Anlagenart: Einzelpumpe

**Betriebsdaten**  
Bezeichnung des Betriebspunktes: A1  
Förderstrom:  m³/h  
Förderhöhe:  m

**Mediendaten**  
Medium: Wasser  
Temperatur: 55 °C  
Dichte: 985,8 kg/m³  
Viskosität: 0,5068 mm²/s

LCC-Einstellungen

# 1. Pump selection

## Hydraulic selection



Reduced view for simple selection processes and extended view for additional parameters.

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Adrian Hunziker Einstellungen Sprache

**Betriebsdatenvorgabe**

Auslegungsbetriebspkt. A1 + -

☐ Keine Vorgabewerte verwenden  
☐ Berechnete Zeilen anzeigen  
☐ Alle Medien anzeigen

▼ Mehr Optionen anzeigen

**Schaltungsart**

Anlagenart\* Einzelpumpe

**Betriebsdaten**

Bezeichnung des Betriebspunktes A1

Förderstrom\* m³/h

Förderhöhe\* m

**Mediendaten**

Medium\* Wasser

Temperatur\* 55 °C

Dichte\* 985,8 kg/m³

Viskosität\* 0,5068 mm²/s

**LCC-Einstellungen**

Einstellungen Betriebskosten Umwälzpumpen - Blauer Engel

Eingabewert fehlt  
Förderstrom (A1)

Pflichtfeld

# 1. Pump selection



## Hydraulic selection





Selection of several operating points, including for different media data.


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**Betriebsdatenvorgabe**

Auslegungsbetriebspkt.   



☐ Keine Vorgabewerte verwenden  
☐ Berechnete Zellen anzeigen  
☐ Alle Medien anzeigen

 Mehr Optionen anzeigen







**Schaltungsart**

Anlagenart\*


**Betriebsdaten**

Bezeichnung des Betriebspunktes	A1	A2	A3	
Förderstrom*	5	4	6	m³/h 
Förderhöhe*	4	6	3	m 

**Mediendaten**

Medium*	<input type="text" value="Wasser/G"/> 	<input type="text" value="Wasser/G"/> 	<input type="text" value="Wasser/G"/> 	
Temperatur*	55	55	55	°C 
Dichte*	1019	1019	1019	kg/m³ 
Viskosität*	2,619	2,619	2,619	mm²/s 

**LCC-Einstellungen**

Einstellungen Betriebskosten  

\* Pflichtfeld

# 1. Pump selection

## Hydraulic selection



- Graphical display of the input fields and their meaning.
- Database-controlled default values depending on the application.

Betriebsdatenvorgabe

Auslegungsbetriebspkt. A1

☐ Keine Vorgabewerte verwenden  
☐ Berechnete Zeilen anzeigen  
☐ Alle Medien anzeigen

Weniger Optionen anzeigen

Schaltungsart

Anlagenart \* Einzelpumpe

+Reservepumpe ☐

Betriebsdaten

Bezeichnung des Betriebspunktes A1

Förderstrom \* m³/h

Massenstrom \* kg/h

Förderhöhe \* m

Förderdruck \* kPa

Statische Höhe m

NPSH - Wert der Anlage m

Drehzahlbegrenzung deaktivieren ☐

Vordruckhöhe 0 m

Vordruck (pin) 0 kPa

Automatische Anpassung an den Betriebspunkt Entsprechend Herstellervorgaben

Mediendaten

Medium \* Wasser

Temperatur \* 20 °C

Dichte \* 998,3 kg/m³

Dichteverhältnis \* 0,9983

Viskosität \* 1,005 mm²/s

Dynamische Viskosität \* 1,003 mPa · s

Dampfdruck 2,23 kPa

pH-Wert

Feststoffgehalt 0 %

Suchbereich

ΔH + %

ΔH - %

ΔQ + %

ΔQ - %

Erweiterte Auswahl

Q/Qopt - 90 %

Eingabewert fehlt

Pflichtfeld

1. Pump selection
  - Hydraulic selection
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# 1. Pump selection

## Direct pump selection



### 1. Pump selection

- Hydraulic selection
- Direct pump selection
- Quick search
- Product search
- Pump replacement

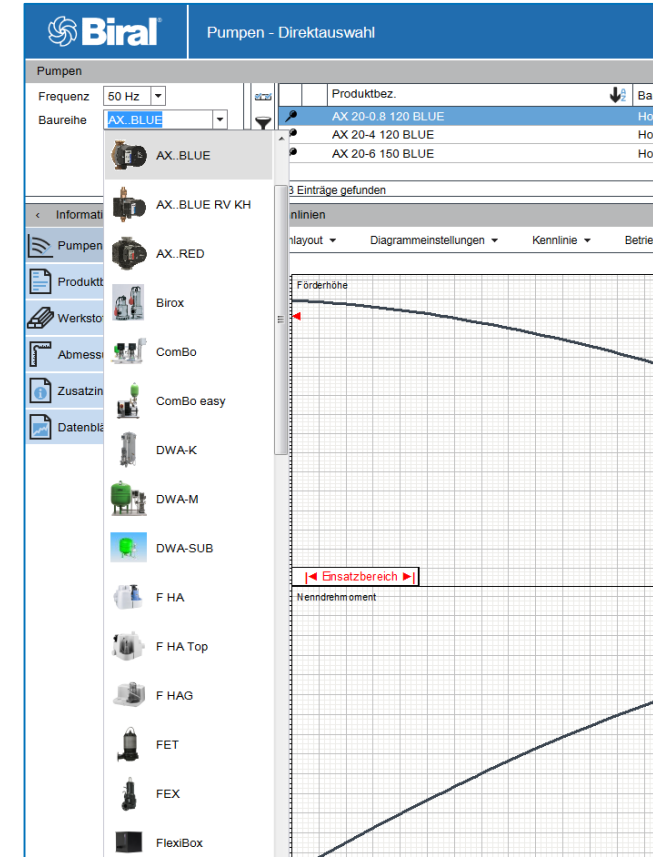
### 2. Characteristic line conversion and configuration

### 3. Accessories selection

### 4. Shopping basket

### 5. Project management

- As standard, the program offers the option of direct pump selection based on the series name and the pump type. This requires the user to have sufficient knowledge of the product. After the pump has been selected, the user is offered the same functions as for hydraulic selection.
- With this method, an operating point can subsequently be defined, which enables the configuration to be carried out for the specific operating conditions.





# 1. Pump selection

## Quick search

New

On the homepage of the Biral PumpSelector 5, it is possible to quickly and easily design pumps by entering the desired operating point. After entering the volume flow  $Q$  and the pump height  $H$  as well as the mains frequency, the series in question are narrowed down and relevant keywords are suggested for further filtering. The applicable pump data records are displayed immediately as search results with the same functions as for the detailed hydraulic selection.

The screenshot shows the 'Schnellsuche' (Quick Search) interface of the Biral PumpSelector 5. At the top, there are input fields for '5', '5', and '50 Hz' with a dropdown arrow, followed by a magnifying glass icon. Below this is a section titled 'Produkte filtern' (Filter products) with a dropdown menu showing 'Heizung Lüftung'. Underneath is a section titled 'Pumpen-Baureihen' (Pump series) with a list of pump models, each preceded by a checked checkbox. The list includes 'Alle auswählen' (Select all), 'BIRAL ModulA-D..RED (4)', 'BIRAL ModulA..RED (8)', 'BIRAL NB (12)', 'BIRAL NT (7)', and 'BIRAL VariA-E-RED - B/C ('. At the bottom of the interface, the text 'Schnellsuche' is displayed.

Pumpen-Baureihen	
<input checked="" type="checkbox"/>	Alle auswählen
<input checked="" type="checkbox"/>	BIRAL ModulA-D..RED (4)
<input checked="" type="checkbox"/>	BIRAL ModulA..RED (8)
<input checked="" type="checkbox"/>	BIRAL NB (12)
<input checked="" type="checkbox"/>	BIRAL NT (7)
<input checked="" type="checkbox"/>	BIRAL VariA-E-RED - B/C (

1. Pump selection
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# 1. Pump selection

## Product search based on name or item number



If the user knows the product name or item number, this search method can also be used. Again, the program lists the search results in a table. After the pump has been selected, the user is offered the same functions as for hydraulic selection.

The screenshot displays the Biral software interface for product selection. The main window is titled 'Produktsuche' (Product Search). On the left, there is a search bar with 'Suche' (Search) and a dropdown menu showing '50'. Below it, a text field contains 'PrimAX' with a search icon. The search results are displayed in a table with two columns: 'Produktname' (Product Name) and 'Artikelnummer' (Article Number). The table lists various pump models, with 'PrimAX 25-8 130 RED' highlighted. On the right side, there is a sidebar with navigation options: 'Pumpenkennlinien' (Pump Characteristics), 'Produktbeschrei...' (Product Description), 'Werkstoffe' (Materials), 'Abmessungen' (Dimensions), 'Zusatzinformatio...' (Additional Information), and 'Datenblätter' (Data Sheets). The 'Pumpenkennlinien' section is active, showing a graph of 'H / m' (Head in meters) versus 'Förderhöhe' (Flow Rate). The graph displays two curves: a solid line representing the pump's performance and a dashed line representing the system's required head. The y-axis ranges from 1.6 to 8.0, and the x-axis ranges from 0 to 10.0.

Produktname	Artikelnummer
PrimAX 15-3 130 RED	2205280150
PrimAX 15-4 130 RED	2205290150
PrimAX 15-6 130 RED	2205300150
PrimAX 15-8 130 RED	2205310150
PrimAX 25-3 130 RED	2205320150
PrimAX 25-4 130 RED	2205330150
PrimAX 25-6 130 RED	2205340150
PrimAX 25-8 130 RED	2205350150
PrimAX 25-3 180 RED	2205360150
PrimAX 25-4 180 RED	2205370150
PrimAX 25-6 180 RED	2205380150
PrimAX 25-8 180 RED	2205390150
PrimAX 32-3 170 RED	2205400150
PrimAX 32-4 170 RED	2205410150
PrimAX 32-6 170 RED	2205420150
PrimAX 32-8 170 RED	2205430150
PrimAX 32-3 180 RED	2205440150
PrimAX 32-4 180 RED	2205450150
PrimAX 32-6 180 RED	2205460150
PrimAX 32-8 180 RED	2205470150

1. Pump selection
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# 1. Pump selection

## Pump replacement of “wet-running circulation pumps”



- Pump replacement enables old pumps to be matched with the corresponding current model.
- The user is presented with one or more suggestions for new pumps that can be selected and configured directly.
- The life cycle cost calculation can be used to determine energy savings through pump replacement as well as the payback period. This enables various load profiles to be taken into account.

### 1. Pump selection

- Hydraulic selection
- Direct pump selection
- Quick search
- Product search
- Pump replacement

### 2. Characteristic line conversion and configuration

### 3. Accessories selection

### 4. Shopping basket

### 5. Project management

The screenshot shows the Biral software interface for pump selection. The top bar is blue with the Biral logo and the text "Bestandspumpe: Betriebsdaten". On the right, there are buttons for "Anmelden" and "Einstellungen". Below the top bar, there is a search section on the left with a frequency dropdown set to "50 Hz", a search input field containing "AX 12", and a search button. The main area is a table titled "Suchergebnis" (Search Result) with columns: Hersteller (Manufacturer), Baureihe (Series), Kategorie (Category), and Name. The table lists several BIRAL pump models, including AX 12, AX 12-1, AX 12-2, AX 12-3, AX 12-4, AX 20-0.8 120 BLUE, AX 20-4 120 BLUE, and AXW 12. The bottom of the table indicates "9 Einträge gefunden" (9 entries found). On the right side of the interface, there is a sidebar with "Betriebspunktangaben" (Operating point data) including "Förderstrom" (Flow rate) and "Förderhöhe" (Head), and "LCC-Einstellungen" (LCC settings) including "Umwälzpumpen - Blauer" (Circulation pumps - Blue). At the bottom, there is a section for "Pumpenkennlinien" (Pump characteristics) with a graph showing "Förderhöhe" (Head) vs. "Δp / MPa" (Pressure drop / MPa). The graph shows a curve starting at approximately 4.2 MPa and decreasing to 3.8 MPa. To the right of the graph, there is a section for "Hydraulische Auswahl" (Hydraulic selection) with a dropdown for "dp prop." set to "max." and a button for "Kennlinie" (Characteristic line).

Hersteller	Baureihe	Kategorie	Name
BIRAL	Historical	-	AX 12
BIRAL	Historical	-	AX 12-1
BIRAL	Historical	-	AX 12-2
BIRAL	Historical	-	AX 12-3
BIRAL	Historical	-	AX 12-4
BIRAL	Historical	-	AX 20-0.8 120 BLUE
BIRAL	Historical	-	AX 20-4 120 BLUE
BIRAL	Historical	-	AXW 12

# 1. Pump selection

## Pump replacement via Biral WEB



### 1. Pump selection

- Hydraulic selection
- Direct pump selection
- Quick search
- Product search
- Pump replacement

### 2. Characteristic line conversion and configuration

### 3. Accessories selection

### 4. Shopping basket

### 5. Project management

The screenshot shows the Biral website interface for pump replacement. The browser address bar displays the URL: [https://www.biral.ch/de/pumpenaustausch/7tx\\_biralexchange\\_pluginexchange%5Baction%5D=search&7tx\\_biralexchange\\_pluginexchange%5Bcontrol%5D=...](https://www.biral.ch/de/pumpenaustausch/7tx_biralexchange_pluginexchange%5Baction%5D=search&7tx_biralexchange_pluginexchange%5Bcontrol%5D=...). The Biral logo is visible in the top left, and the text "Mehr als Pumpen" is in the top right. The navigation menu includes: Home, Produkte, Service & Support, Planungstools, Campus, Über Biral, and Kontakt. A language selector shows "Sprache" with a dropdown arrow. Below the navigation, the breadcrumb "biral.ch > Pumpenaustausch" is displayed. A search bar contains the text "Biral MX 13-1" and a magnifying glass icon. An orange button with a "+" sign is on the right. Below the search bar, the text "Ersatzpumpen für: Biral MX 13-1" is shown. A table lists replacement pumps with columns for Typ, Artikelnummer, Nennweite [G/DN], Nenndruck [PN], Einbaulänge [mm], Motor, Zwischenstück, Bemerkung, and links for "Weitere Informationen".

	Premium hocheffizient	Hocheffizient	Alte Pumpe
Typ	PrimAX 25-6 180 RED	AX 25-6 180 RED	Biral MX 13-1
Artikelnummer	2205380150	2206410150	-
Nennweite [G/DN]	G 1½"	G 1½"	1 1/2"
Nenndruck [PN]	PN 10	PN 10	10
Einbaulänge [mm]	180 mm	180 mm	180
Motor	1x230 V	1x230 V	1x230V
Zwischenstück	-	-	-
Bemerkung	-	-	-
	<a href="#">Weitere Informationen</a>	<a href="#">Weitere Informationen</a>	

# 1. Pump selection

## Pump comparison

In the PumpSelector 5, it is possible to directly compare the configuration data for various selection processes in a project. The selected pumps are listed in a table, whereby similarities and differences can be identified at a glance. The latter can be highlighted if required.

### 1. Pump selection

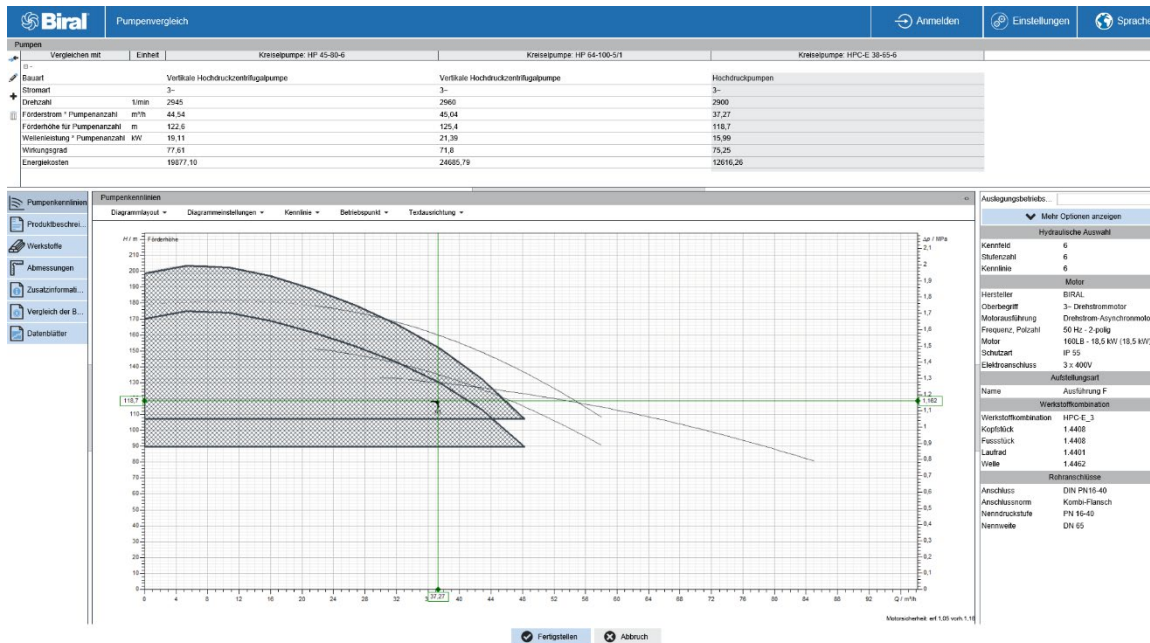
- Hydraulic selection
- Direct pump selection
- Quick search
- Product search
- Pump replacement

### 2. Characteristic line conversion and configuration

### 3. Accessories selection

### 4. Shopping basket

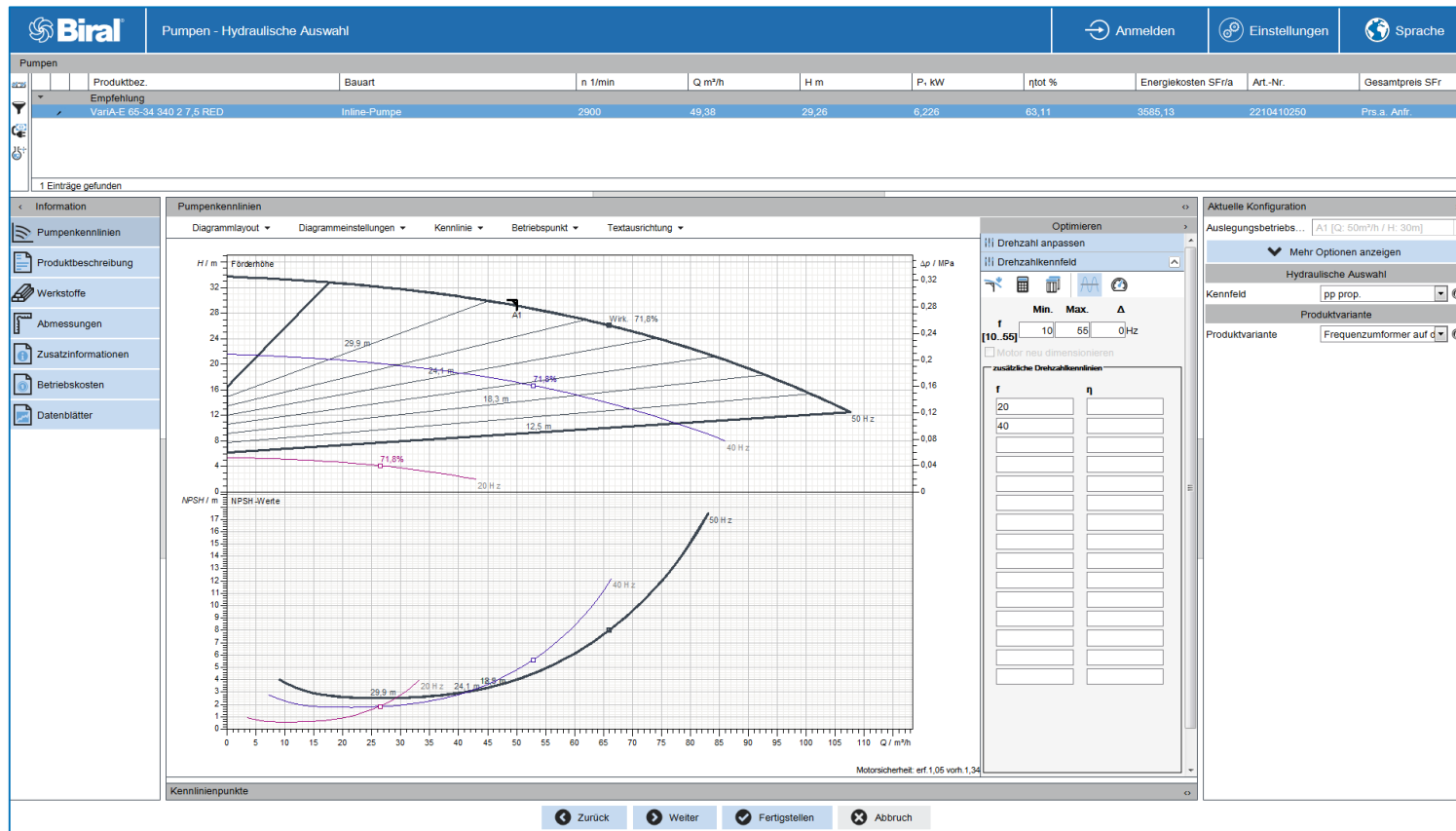
### 5. Project management



## 2. Characteristic line conversion and configuration

## 2. Characteristic line conversion and configuration

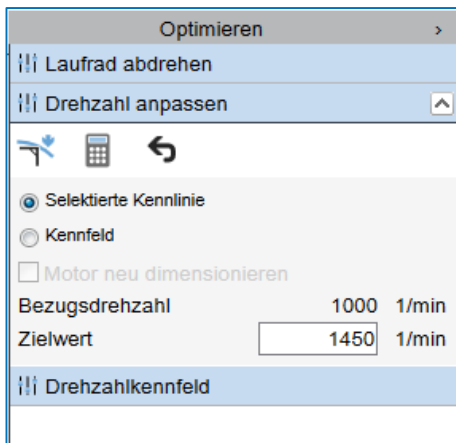
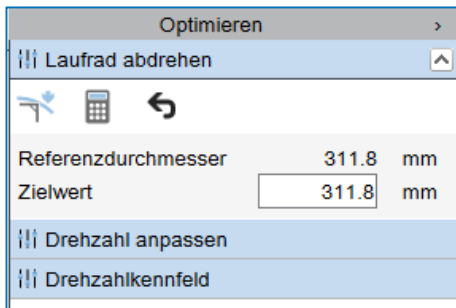
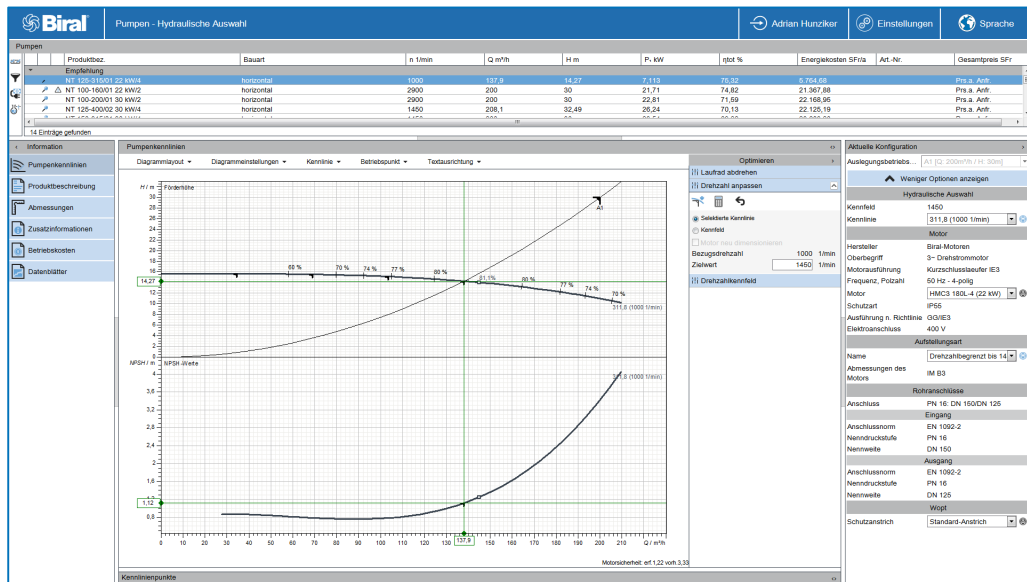
1. Pump selection
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# 2. Characteristic line conversion and configuration

## Characteristic lines

- Flexible display and evaluation of pump characteristic lines
- Characteristic line conversion processes such as turn impeller and adjust speed are available.





## 2. Characteristic line conversion and configuration

### Characteristic lines – speed conversion

- Simulation of various frequencies.
- Efficiency correction on conversion according to affinity laws.
- Consideration of the FI efficiency for the performance and operating cost calculation.

#### 1. Pump selection

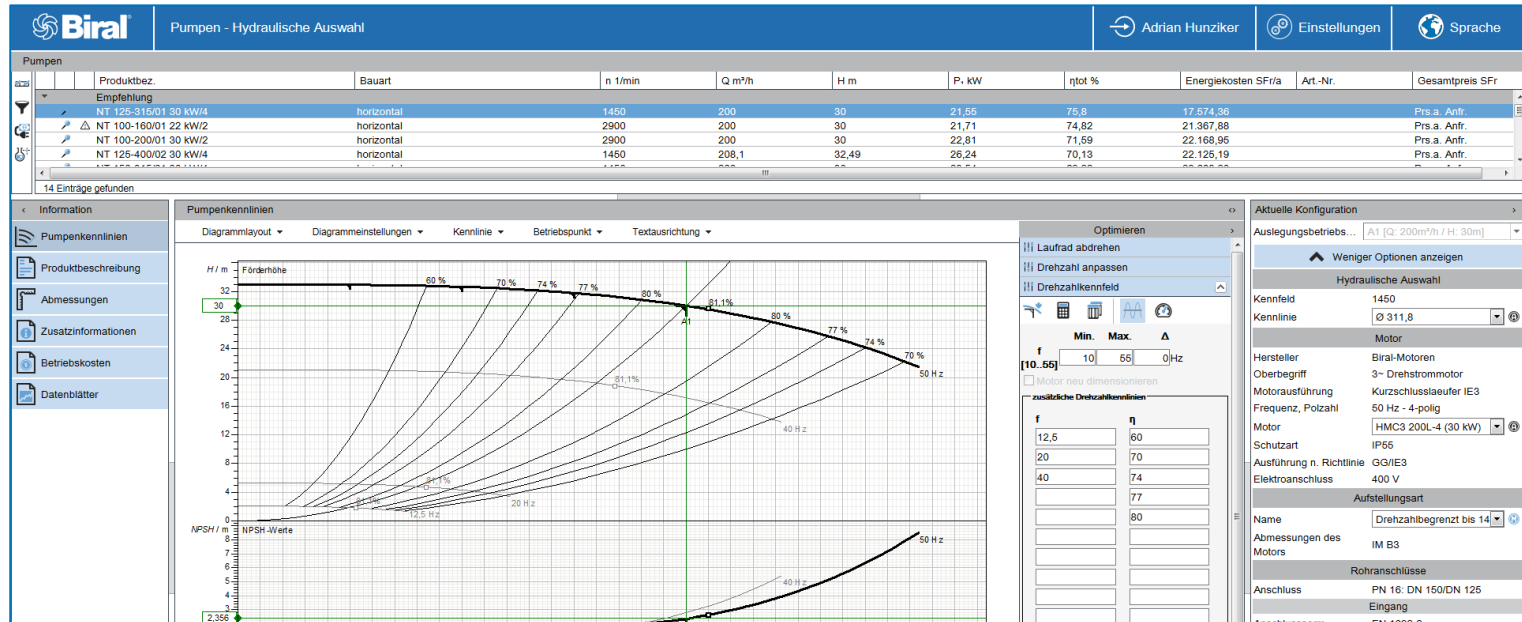
- Hydraulic selection
- Direct pump selection
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- Product search
- Pump replacement

#### 2. Characteristic line conversion and configuration

#### 3. Accessories selection

#### 4. Shopping basket

#### 5. Project management

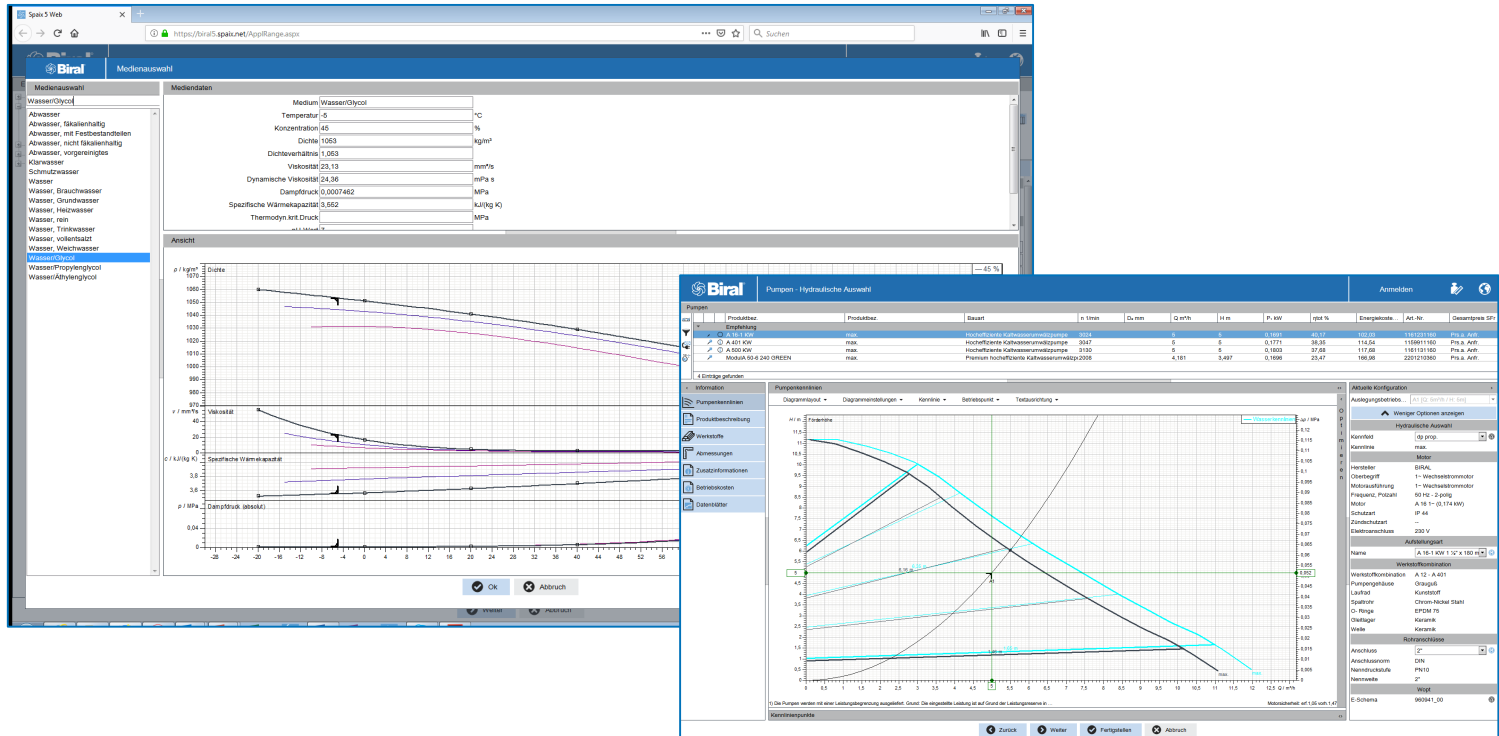


# 2. Characteristic line conversion and configuration

## Characteristic lines

Current Hydraulic Institute (HI) standards for the viscosity conversion.

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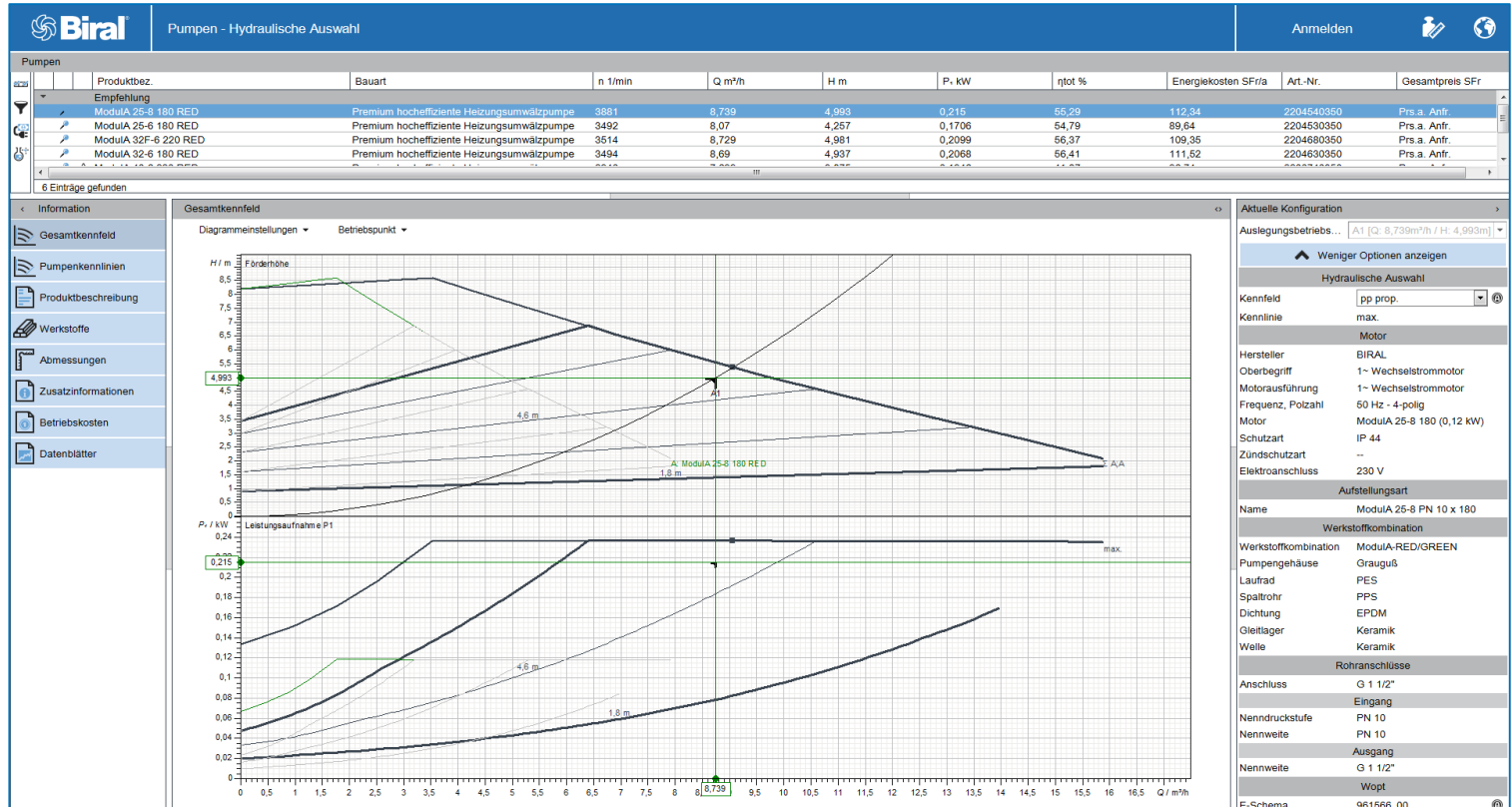


# 2. Characteristic line conversion and configuration

## Parallel connection of pumps

### Parallel and series connection of pumps of the same type

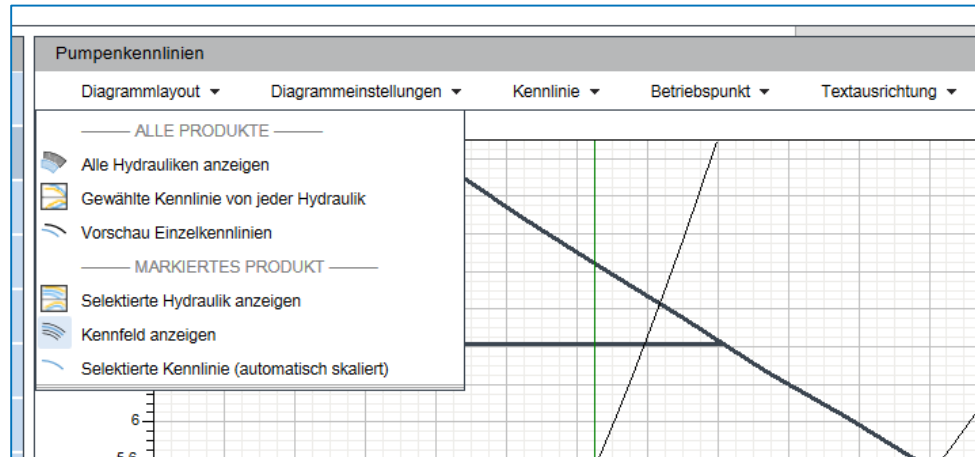
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## 2. Characteristic line conversion and configuration

### Product configuration

- Changes to the configuration have an immediate effect on pump characteristic lines.
- Selection between various diagram designs.
- Assignment to datasheet specifications.



Aktuelle Konfiguration >

Auslegungsbetriebs... A1 [Q: 5m³/h / H: 5m]

Mehr Optionen anzeigen

Hydraulische Auswahl

Kennfeld pp prop.

Aufstellungsart

Name ModulA 32-8 PN 10 x 18

# 3. Accessories selection

# 3. Accessories selection

## Selection based on selected pumps

### 1. Pump selection


- Hydraulic selection
- Direct pump selection
- Quick search
- Product search
- Pump replacement

### 2. Characteristic line conversion and configuration

### 3. Accessories selection

### 4. Shopping basket

### 5. Project management



Zubehöerauswahl

Anmelden

Einstellungen

Sprache

Filter

Heizungsumwälzpumpen

Zubehör Heizungspumpen

BIM Biral Interfacemodule

Set zum Längenausgleich (R - DN)

Set zum Längenausgleich (R)

Verschraubungen

Verfügbares Zubehör

Pos. Nr.	Anz.	Bezeichnung	Artikelnummer	EP
1	1	BIM B3 Steuermodul	1672420150	Prs. a. Anr.

Artikel auswählen

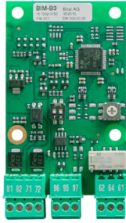
Produktbeschreibung

Zusatzinformationen

Betriebsanleitung

Foto

Dokument



**Biral Interface Modul BIM B3**  
Steuer-Modul – Module de commande – Modulo di comando  
Control module – Regelmodule

Montage- und Betriebsanleitung (Seite 9)  
Instructions d'installation et d'entretien (page 22)

Ausgewähltes Zubehör

Pos. Nr.	Anzahl	Bezeichnung	Artikelnummer	EP
<input checked="" type="checkbox"/> BIM Biral Interfacemodule				
<input checked="" type="checkbox"/>	1	Zubehör: BIM B3 Steuermodul	1672420150	Prs. a. Anr.

Zurück

Fertigstellen

Abbruch

## 4. Shopping basket

## 4. Shopping basket

Biral

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↶

Adrian Hunziker

⚙️

Einstellungen

🌐

Sprache

Aktuelles Projekt

📦

Projektdaten ändern

💰

Preis kalkulation

📄

Dokumentenvorschau

🗪

Neue Auswahl

📄

🔍

✂️

🗑️

⬆️

⬇️

⬇️

📄

🔍

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🗑️

⬆️

⬇️

⬇️

4-Unbenanntes Projekt 2018-11-21 16:10:46.426

🔍

Premium hocheffiziente Heizungsumwälzpumpe

🔍

Kreiselpumpe: ModuIA 32-8 170 RE

🔍

Installationsart: ModuIA 32-8 PN

🔍

Flanschschnitte: G 2"

🔍

Werkstoffkombination: ModuIA-F

🔍

Motor: ModuIA 32-8 180

🔍

Zubehör

🔍

BIM Biral Interfacemodule

🔍

Zubehör: BIM B3 Steuermodul

	Pos.	Kunden Pos.-Nr	Bezeichnung	Art.-Nr.	EAN - Artikelnummer	Einbauort	Anz.	EP [SFr]
1	20		Premium hocheffiziente Heizungsumwälzpumpe				1	Prs.a. Anfr.
1.1			Kreiselpumpe: ModuIA 32-8 170 RED	2204590350	-		1	
1.2			Werkstoffkombination: ModuIA-RED/GREEN				1	
1.3			BIM Biral Interfacemodule				1	Prs.a. Anfr.
1.3.1			Zubehör: BIM B3 Steuermodul	1672420150	-		1	

Aufgaben

🔍

Pumpen vergleichen

🔍

Element mit Hydraulischer Auswahl erstellen

🔍

Element mit Produktionsraumwahl bearbeiten

Gesamtpreis rabattfähige Produkte	Prs.a. Anfr.	SFr
Projektrabatt	0	%
Gesamtpreis ohne Mwst	Prs.a. Anfr.	SFr
zzgl. 7,7% Mwst	Prs.a. Anfr.	SFr
Gesamtpreis inkl. Mwst	Prs.a. Anfr.	SFr



# 5. Project management

# 5. Project management

**Biral**

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🏠 Projektdaten ändern

🔢 Preiskalkulation

📄 Dokumentenvorschau

🗪 Neue Auswahl

⚙️ Einstellungen

📄 Besteller

📄 Lieferant

👤 Berechtigungen

Typ

Anfrage

Projektname

Unbenanntes Projekt 2018-11-21 16:10:46.426

Projektnummer

-

Ausgabedatum

Wednesday, 21.11.2018

Letzte Änderung

Wednesday, 21.11.2018

Währung

EUR

Preisstand vom

Referenzdatum für die Preisbestimmung

Thursday, 29.11.2018

1. Pump selection

Hydraulic selection

Direct pump selection

Quick search

Product search

Pump replacement

2. Characteristic line conversion and configuration

3. Accessories selection

4. Shopping basket

5. Project management

We hope you enjoy using the new  
PumpSelector 5