DKM&KKB®

THE EXPERTS IN FLUID HANDLING

Submersible Motor Pumps

We understand the submersible motor pump as a unit of pump and motor; we optimally develop, manufacture and coordinate both components.

For 30 years, DKM&KKB have been supplying the global industry with durable ball valves, submersible pumps and services

Our values:

- **Reliability** through **precision and quality**
- Customer proximity through **personal support**
- **Cost efficiency and low Total Lifecycle Cost (LCC)**
- Manufacturing **– Made in Germany**
- Expertise and **innovation** for demanding applications

We offer ...

Submersible pumps and motors

High-performance ball valves

Service, spare parts and after-market services for ball valves and all types of submersible pumps – on demand other centrifugal pumps

Our standard pump series are distinguished by **high efficiency, long service life, and low maintenance requirements**. Combined with excellent cost-effectiveness and energy efficiency, this results in a significantly **reduced total lifecycle cost.**

The research and development of solutions that increase plant efficiency is one of our core competencies, along with a diverse wear parts concept. We understand the submersible motor pump as a unit of pump and motor; we optimally coordinate both components.

Pump Series

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Radial Pump Design:

- ✓ Flow rates from **5 to 210m³/h**
- ✓ Head up to **525m**
- ✓ Pump sizes from **6" up to 20"**
- ✓ Other operating data on request

Series	Output Q [m³/h] Qmin – Qmax	Head H [m] Hmin – Hmax	Diameter pump [mm]
BK10	5 – 14	10 – 260	180
BK20	10 – 28	10 – 280	180
BK28	14 – 40	20 – 515	200
BK38	19 – 54	20 – 525	200
BK50	25 – 70	18 – 455	200
BK90	45 – 126	30 – 500	270
BK150	75 – 210	38 – 310	324

Semi-axial Pump Design:

- ✓ Flow rates from 1**5 to 1200m³/h**
- ✓ Head up to **500m**
- ✓ Pump sizes from **6" up to 20"**
- ✓ Other operating data on request

Series	Output Q [m³/h] Qmin – Qmax	Head H [m] Hmin – Hmax	Diameter pump [mm]
BK30	15 – 42	10 – 160	200
BK60	30 – 84	18 – 300	200
BK75	37 – 105	18 – 290	200
BK92	45 – 126	18 – 260	210
BK120	60 – 168	30 – 300	230
BK180	90 – 252	25 – 210	324
BK225	112 – 315	25 – 210	220
BK350	175 – 490	40 – 320	345
BK500	250 – 700	40 – 210	345
BK650	325 – 910	40 – 165	345
BK830	415 – 1.162	20 – 220	430
BK1000	400 – 1.200	40 – 130	360

Customer Questionaire

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With answers to the following questions, we can provide the optimal solution and material selection for individual requirements.

No.	Parameter	Customer Input
1	**Medium / Fluid Description**	
1.1	Medium name / description	
1.2	Sea water	☐ Yes ☐ No
1.3	Industry / application	
1.4	Presence of sand or other solid particles	☐ Yes ☐ No
1.5	If yes, describe type and concentration	
1.6	Abrasive medium	☐ Yes ☐ No
1.7	Ferrous content in medium	☐ Yes ☐ No
2	**Temperature Conditions**	
2.1	Medium temperature (continuous)	____ °C
2.2	Medium temperature (maximum)	____ °C
2.3	Special deep-medium temperature	____ °C
2.4	Ambient / environmental temperature	____ °C
3	**Installation & Operating Conditions**	
3.1	Installation type (e.g. tank, sump, open water)	
3.2	Pressurized tank (for leakage detection)	☐ Yes ☐ No
3.3	Maximum immersion depth	____ m
4	**Electrical Data**	
4.1	Supply voltage	____ V
4.2	Frequency	☐ 50 Hz ☐ 60 Hz
4.3	Power limitation	☐ Yes ☐ No
4.4	If yes, specify power limit	____ kW
4.5	Special electrical circumstances (e.g. soft starter, VFD, unstable grid)	
5	**Safety & Regulations**	
5.1	ATEX requirements	☐ Yes ☐ No
5.2	If yes, ATEX zone and classification	
5.3	Other local regulations or standards	

Example Offshore Pump

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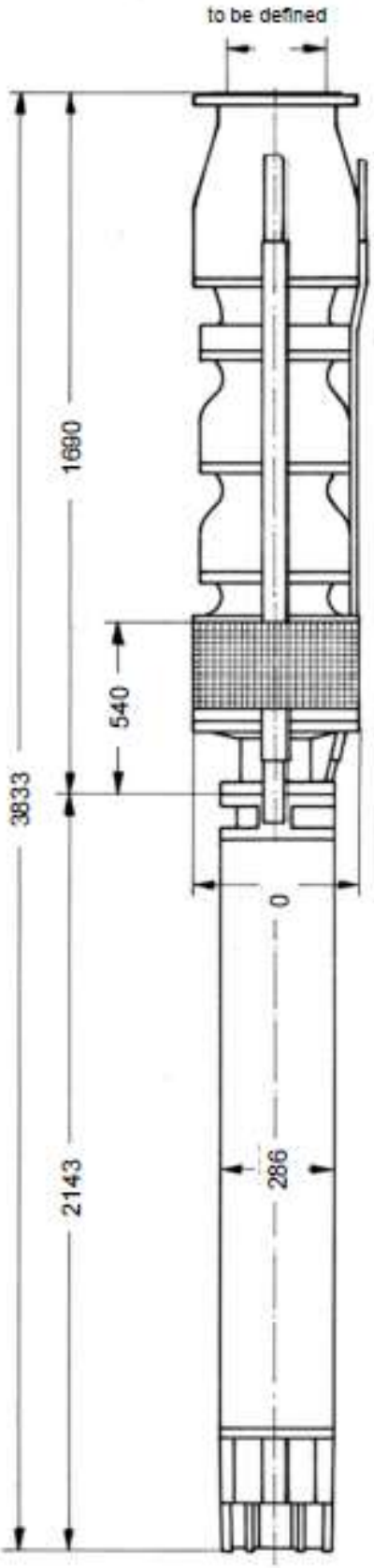
Datasheet

Date	12.01.2026
Offer/Pos.	-
Pump/Motor/Unit	BK1000/2



Operating Data

Flow Rate	2.820,00 m³/h
Head	91,64 m
Speed	2900 rpm
Density	1025 kg/m³
Medium	Salt water

Pump Specification

Type	BK1000/2
Stage Number	2
Non-Return Valve	Yes
Pressure Connection	to be defined

Motor Specification

Type	Franklin 12" 350 kW
Winding	PE2/PA
Power	350 kW
Voltage	400 V
Current	676 A
Frequency	50 Hz
Speed	2900 rpm
Efficiency	88 %
Cable	6 m
PT100	Yes
Power Factor	0,87

Materials

Suction Casing	1.4408
Pump Casing	1.4469
Valve Body	1.4469
Pump Shaft	1.4462
Impeller	1.4469
Motor Casing	1.4469

Dimensions

Pump Length	1690 mm
Motor Length	2143 mm
Total Length	3833 mm
max. Diameter	0 mm **
Motor Diameter	286 mm
Suction Casing	540 mm

All Data PRELIMINARY

**Depending on desired flange design and cable routing

Example Offshore Pump

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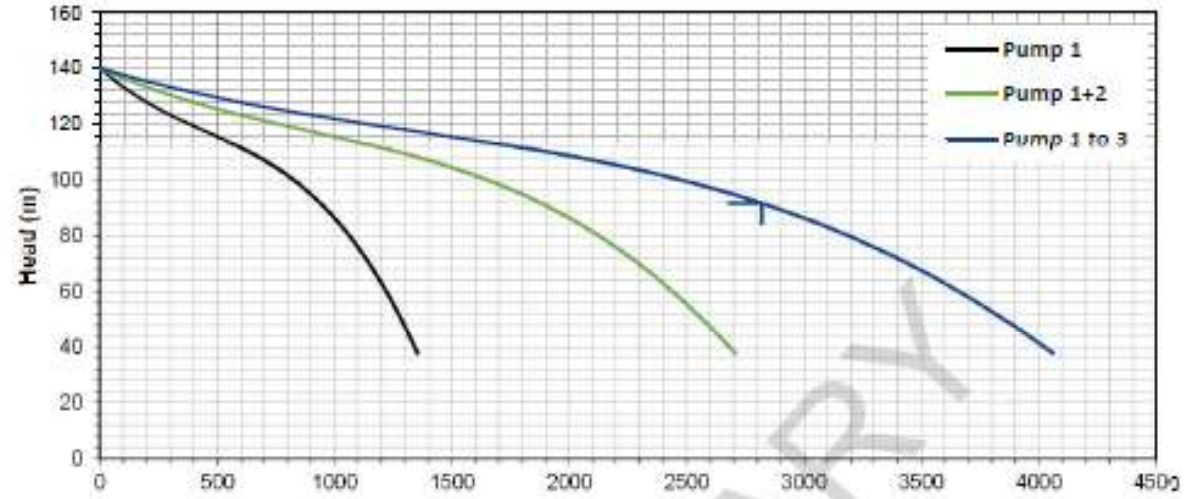
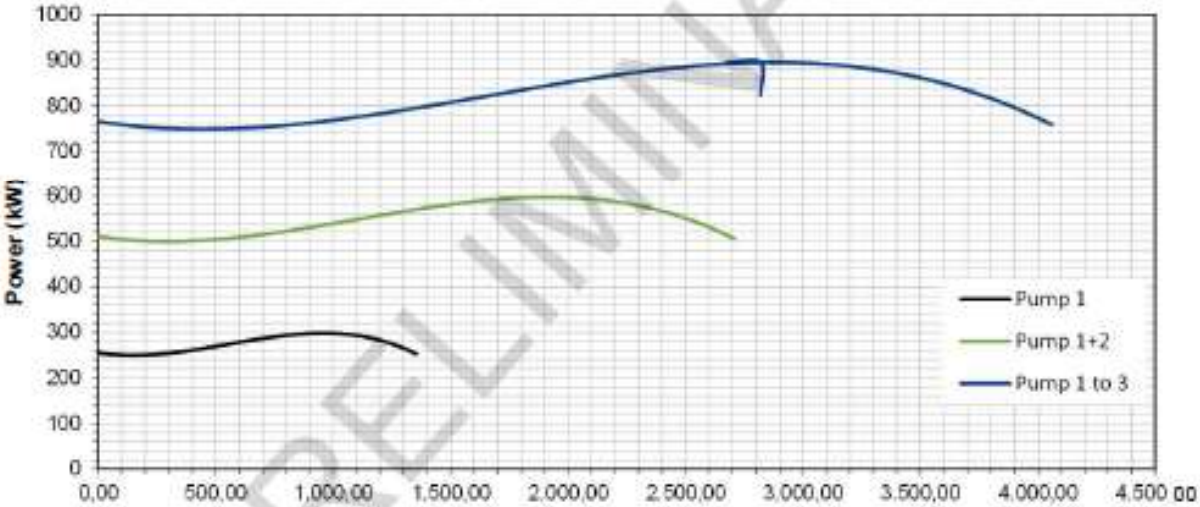
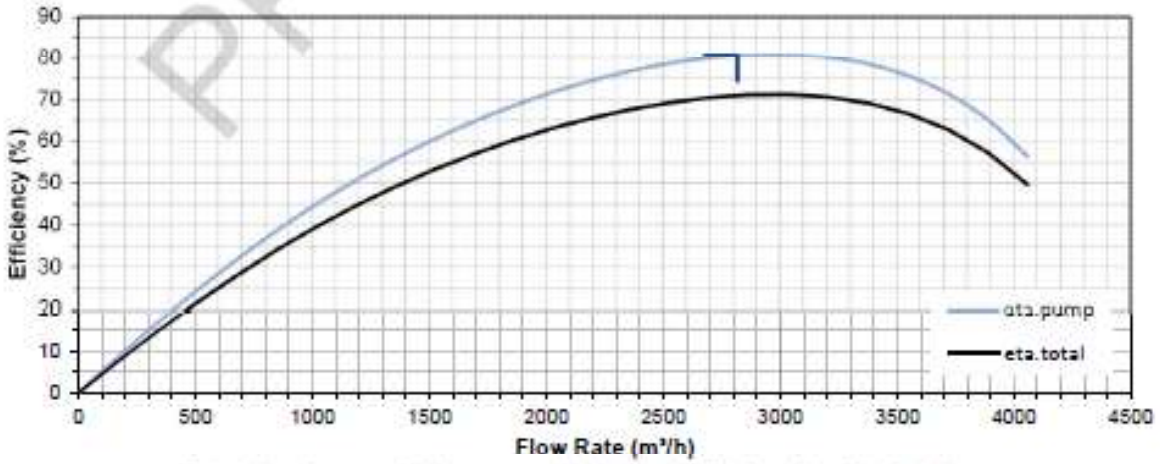
DKM&KKB THE EXPERTS IN FLUID HANDLING	Pump Curves	Date	12.01.2026
		Offer/Pos.	-
		Pump	BK1000/2
		Stage Number	2

Curve Data for

Medium: Salt water	Speed: 2900 rpm	PRELIMINARY
Density: 1025 kg/m³	Flow Rate: 2820 m3/h	Source: P0010003
	Head: 91,64 m	







Quality Assurance

Quality and Certifications:

The development of high-end quality products is a core principle at DKM & KKB. To ensure this standard, we operate our own in-house pump test field, where every pump is tested. Customer acceptance tests and inspections by classification societies are also conducted on site.

Our submersible pump department operates in full compliance with **ISO 9001:2015**, **ISO 45001:2018**, and **ISO 14001:2015**, thereby guaranteeing the highest standards of quality, safety, and environmental management.

Pump test:

- Flow rates from **10 to 1,400 m³/h**
- Operating pressures up to **100bar**
- Motor outputs up to **800 kW**
- Operating voltages up to **6,6kV**
- Customer approvals according to **DIN EN ISO 9906**

Service Offerings

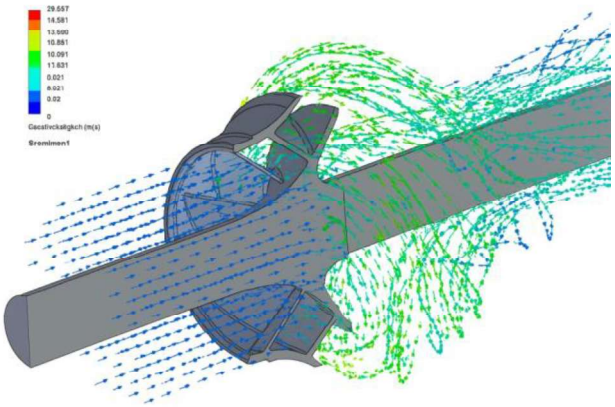
We offer various (after-market) services for our customers:

- Support of the entire product life cycle from enquiry to commissioning and inspection service
- Complete installation and training for all products (supervision)
- Guaranteed spare part and maintenance kit availability
- Repairs and overhauls

→ Durability and efficiency over the entire product life cycle

Retrofit and reverse engineering (also for third-party manufacturers):

- Material changes or material upgrade
- Product Life Cycle Extension
- Increase in system availability / reduction of maintenance costs
- Increasing system efficiency through energy savings
- Ensuring the supply of spare parts (e.g. if the OEM or parts are no longer available)
- Compliance with changed legal requirements



DKM&KKB®

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Made in Germany

In-house development and production in Germany

Engineered

Special designs and individual customer solutions can be realised

Fast & Flexible

Short response times and flexible adjustments

Cost Efficient

Advanced products leading to low Total Lifecycle Cost

Personal

Direct contact person and cooperative partnership

Service

Long-term availability of spare parts and worldwide technical support

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