



atac

ATAC Solutions Ltd is a leading environmental engineering company based in Maidstone, United Kingdom.

ATAC Solutions is known for its state-of-the-art liquid collection fleet and its expertise in providing bespoke turnkey wastewater process solutions.

With a focus on sustainability and accreditation in ISO 9001 & ISO 14001, the company serves domestic and industrial clients across the South-East and London.

ATAC Solutions Ltd,
Unit A9, Loc 8 Business Park, Ashford Road,
Hollingbourne, Maidstone, England, ME17 1WR

 [atacsolutions.com](https://www.atacsolutions.com)
 01622 882400

Axiom Water companies

Series description: Wilo-BAC



Design

Glanded pump in monobloc design with screwed connection or Victaulic connection

Application

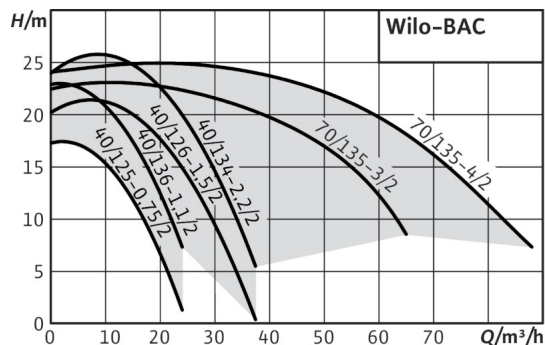
For pumping of cooling water, cold water, water-glycol mixtures and other fluids without abrasive substances.

Type key

Example	BAC 40/128-1.5/2-S
BAC	Monobloc pump for cooling and air-conditioning applications
40	Pipe connection (pressure port)
128	Impeller diameter
1.5	Nominal motor power P_2 in kW
2	Number of poles
S	Threaded connection
R	Victaulic connection

Special features/product advantages

- Reduced life cycle costs due to optimised efficiency
- Pump housing in plastic design
- Version with Victaulic or threaded connection (BAC 70/135... with Victaulic connection only)



Scope of delivery

- Pump
- Installation and operating instructions

Technical data

- Permissible temperature range -15 °C to $+60\text{ °C}$
- Mains connection 3~400 V, 50 Hz (others on request)
- Protection class IP 54
- Screwed connection: G2/G 1½ (type S) or Victaulic connection 60.3/48.3 mm (type BAC 40...-R) or 76.1/76.1 mm (type BAC 70...-R)
- Max. operating pressure 6.5 bar

Materials

- Pump housing: PA 6.6 50% GF
- Impeller: PA/PPO, fibreglass-reinforced
- Shaft: X30Cr13
- Mechanical seal: BQEGG

Description/design

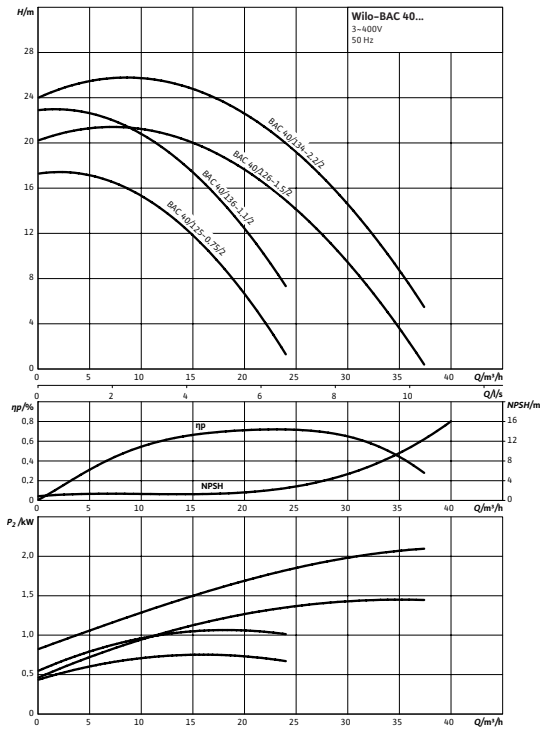
Single-stage low-pressure centrifugal pump in block design, with axial suction port and radially arranged pressure port.

General notes – ErP (ecological design-) directive

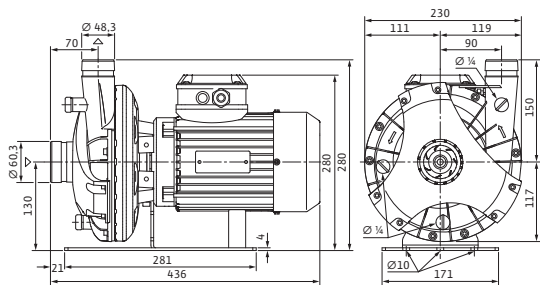
- The benchmark for most efficient water pumps is $MEI \geq 0.70$
- The efficiency of a pump with a trimmed impeller is usually lower than that of a pump with the full impeller diameter. The trimming of the impeller will adapt the pump to a fixed duty point, leading to reduced energy consumption. The minimum efficiency index (MEI) is based on the full impeller diameter.
- The operation of this water pump with variable duty points may be more efficient and economic when controlled, for example, by the use of a variable speed drive that matches the pump duty to the system.
- Information on benchmark efficiency is available at www.europump.org/efficiencycharts

Data sheet: Wilo-BAC 40/134-2,2/2-R

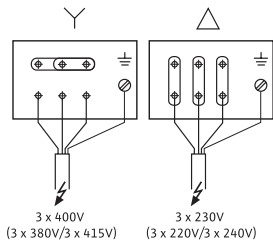
Pump curves



Pump curve for water 20°C -ISO 2548 Class C



Terminal diagram



Permitted field of application

Standard version for operating pressure	p_{max}	6,5 bar
Temperature range at max. ambient temperature +40 °C		-15...+60 °C

Materials

Pump housing	PA 6.6 50% GF
Impeller	PA-GF30
Pump shaft	X30Cr13
Mechanical seal	BQEGG

Motor/electronics

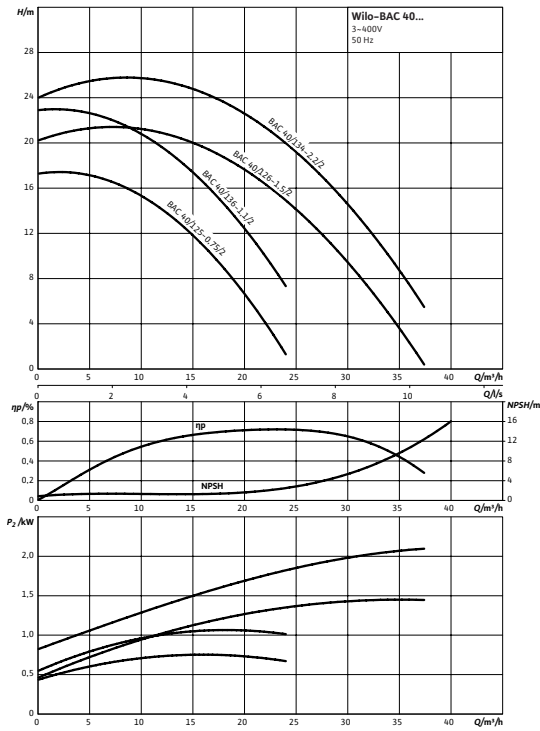
Protection class	IP 55	
Insulation class	F	
Mains connection	3~400 V, 50 Hz	
Speed range	n	2900 rpm
Nominal motor power	P_2	2.20 kW
Nominal current 3~400 V, 50 Hz	I_N	5.20 A
Screwed cable connection		1xM25 PG

Information for order placements

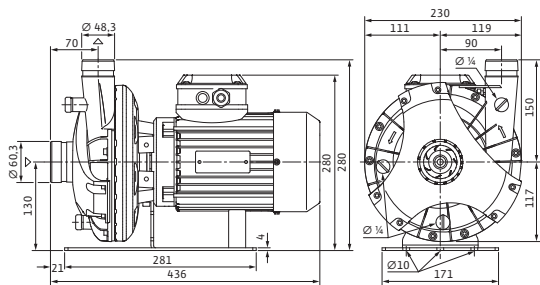
Make	Wilo	
Type	BAC 40/134-2,2/2-R	
Art no.	4158645	
Weight approx.	m	21.70 kg

Data sheet: Wilo-BAC 40/126-1.5/2-R

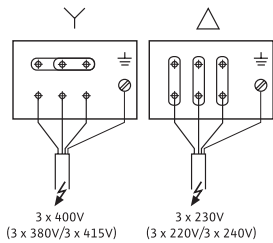
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Pump housing	PA 6.6 50% GF
Impeller	PA-GF30
Pump shaft	X30Cr13
Mechanical seal	BQEGG

Motor/electronics

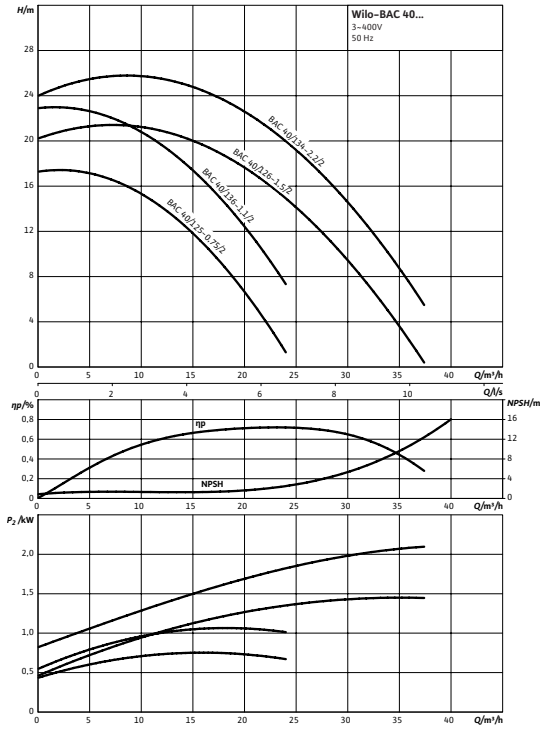
Protection class	IP 55	
Insulation class	F	
Mains connection	3~400 V, 50 Hz	
Speed range	n	2900 rpm
Nominal motor power	P_2	1.50 kW
Nominal current 3~400 V, 50 Hz	I_N	3.70 A
Screwed cable connection		1xM25 PG

Information for order placements

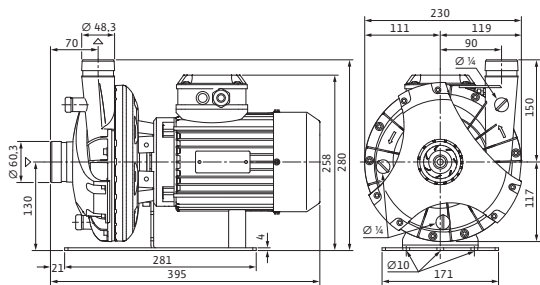
Make	Wilo	
Type	BAC 40/126-1.5/2-R	
Art no.	4158646	
Weight approx.	m	19.50 kg

Data sheet: Wilo-BAC 40/136-1,1/2-R

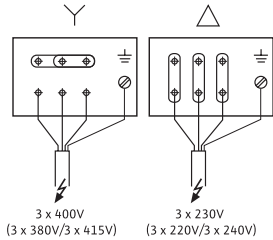
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Materials

Pump housing	PA 6.6 50% GF
Impeller	PA-GF30
Pump shaft	X30Cr13
Mechanical seal	BQEGG

Motor/electronics

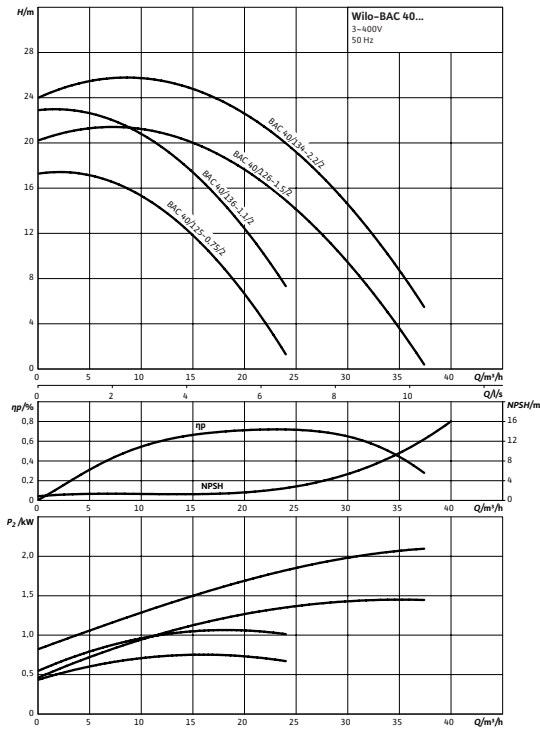
Protection class	IP 55	
Insulation class	F	
Mains connection	3~400 V, 50 Hz	
Speed range	n	2900 rpm
Nominal motor power	P_2	1.10 kW
Nominal current 3~400 V, 50 Hz	I_N	2.80 A
Screwed cable connection		1xM20 PG

Information for order placements

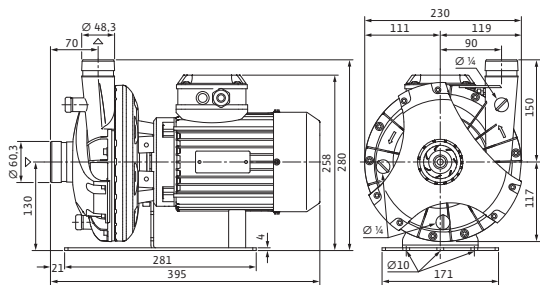
Make	Wilo	
Type	BAC 40/136-1,1/2-R	
Art no.	4158647	
Weight approx.	m	15.30 kg

Data sheet: Wilo-BAC 40/125-0,75/2-R

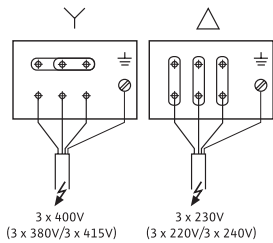
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Permitted field of application

Standard version for operating pressure	p_{max}	6,5 bar
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Materials

Pump housing	PA 6.6 50% GF
Impeller	PA-GF30
Pump shaft	X30Cr13
Mechanical seal	BQEGG

Motor/electronics

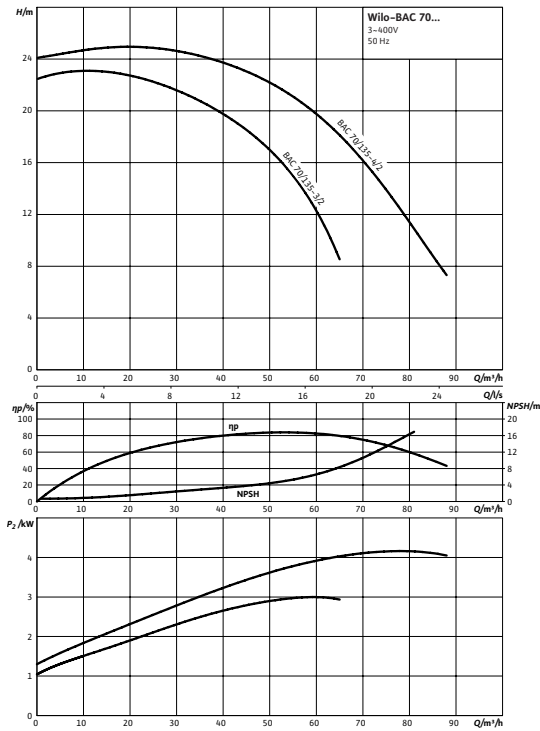
Protection class	IP 55	
Insulation class	F	
Mains connection	3~400 V, 50 Hz	
Speed range	n	2900 rpm
Nominal motor power	P_2	0.75 kW
Nominal current 3~400 V, 50 Hz	I_N	1.910 A
Screwed cable connection		1xM20 PG

Information for order placements

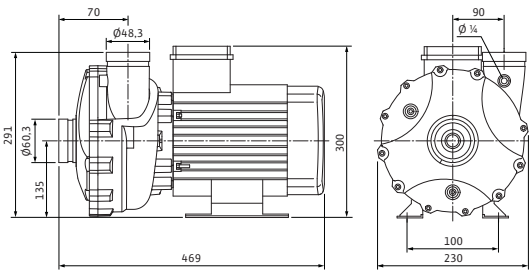
Make	Wilo	
Type	BAC 40/125-0.75/2-R	
Art no.	4158648	
Weight approx.	m	13.90 kg

Data sheet: Wilo-BAC 70/135-3/2-R

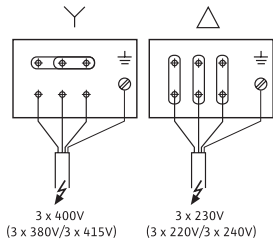
Pump curves



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Terminal diagram



Permitted field of application

Standard version for operating pressure	p_{max}	6,5 bar
Temperature range at max. ambient temperature +40 °C		-15...+60 °C

Materials

Pump housing	PA 6.6 50% GF
Impeller	PPE/PS-GF30
Pump shaft	X30Cr13
Mechanical seal	BQEGG

Motor/electronics

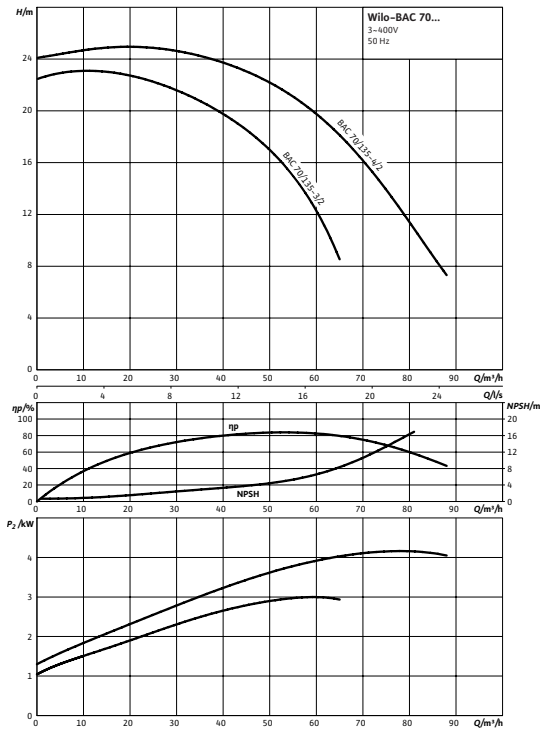
Protection class	IP 55	
Insulation class	F	
Mains connection	3~400 V, 50 Hz	
Speed range	n	2900 rpm
Nominal motor power	P_2	3 kW
Nominal current 3~400 V, 50 Hz	I_N	6 A
Screwed cable connection		1xM25 PG

Information for order placements

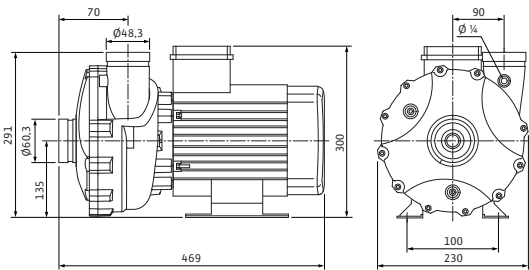
Make	Wilo	
Type	BAC 70/135-3/2-R	
Art no.	4160298	
Weight approx.	m	26 kg

Data sheet: Wilo-BAC 70/135-4/2-R

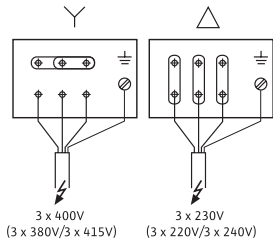
Pump curves



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Materials

Pump housing	PA 6.6 50% GF
Impeller	PPE/PS-GF30
Pump shaft	X30Cr13
Mechanical seal	BQEGG

Motor/electronics

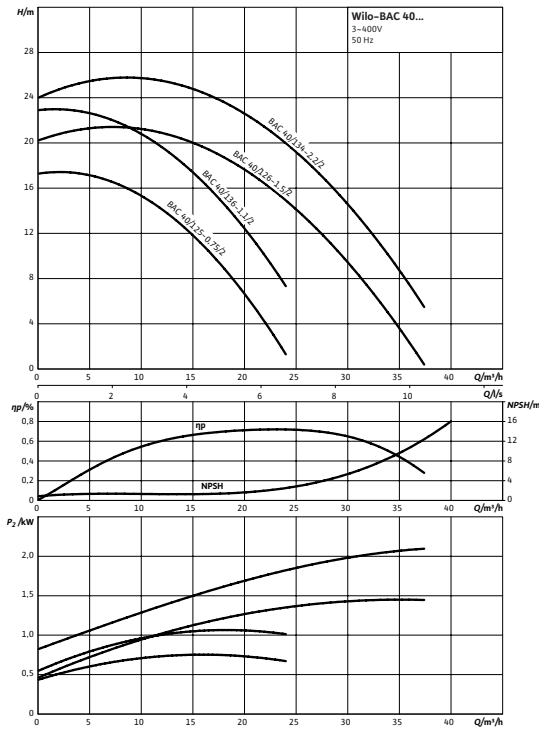
Protection class	IP 55	
Insulation class	F	
Mains connection	3~400 V, 50 Hz	
Speed range	n	2900 rpm
Nominal motor power	P_2	4 kW
Nominal current 3~400 V, 50 Hz	I_N	7.80 A
Screwed cable connection		1xM25 PG

Information for order placements

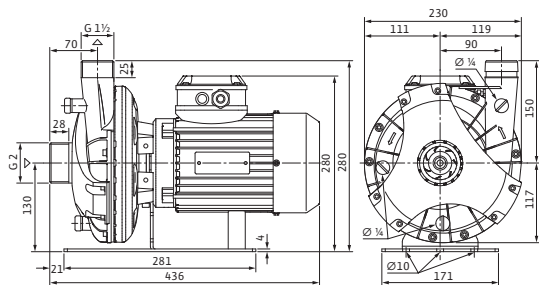
Make	Wilo	
Type	BAC 70/135-4/2-R	
Art no.	4160299	
Weight approx.	m	30.50 kg

Data sheet: Wilo-BAC 40/134-2,2/2-S

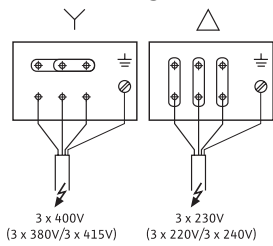
Pump curves



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Materials

Pump housing	PA 6.6 50% GF
Impeller	PA-GF30
Pump shaft	X30Cr13
Mechanical seal	BQEGG

Motor/electronics

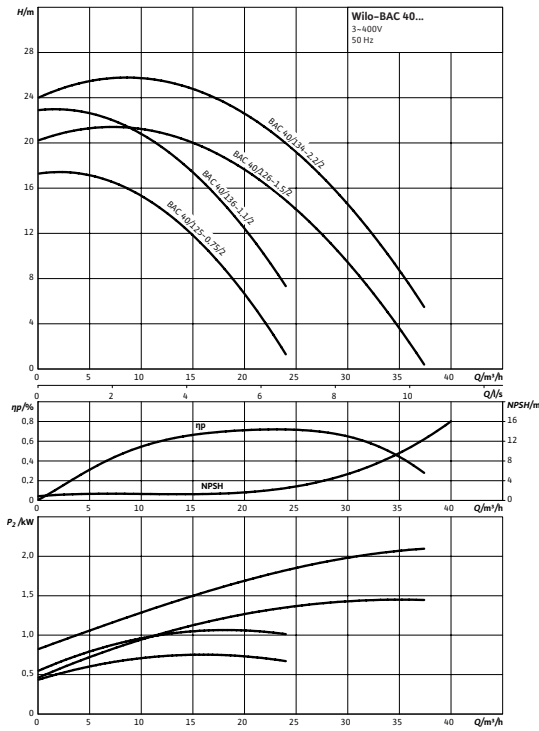
Protection class	IP 55	
Insulation class	F	
Mains connection	3~400 V, 50 Hz	
Speed range	n	2900 rpm
Nominal motor power	P_2	2.20 kW
Nominal current 3~400 V, 50 Hz	I_N	5.20 A
Screwed cable connection		1xM25 PG

Information for order placements

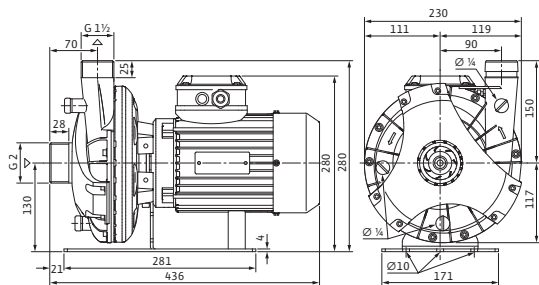
Make	Wilo	
Type	BAC 40/134-2,2/2-S	
Art no.	4158649	
Weight approx.	m	21.70 kg

Data sheet: Wilo-BAC 40/126-1.5/2-S

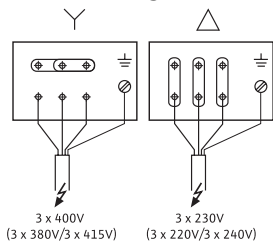
Pump curves



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Impeller	PA-GF30
Pump shaft	X30Cr13
Mechanical seal	BQEGG

Motor/electronics

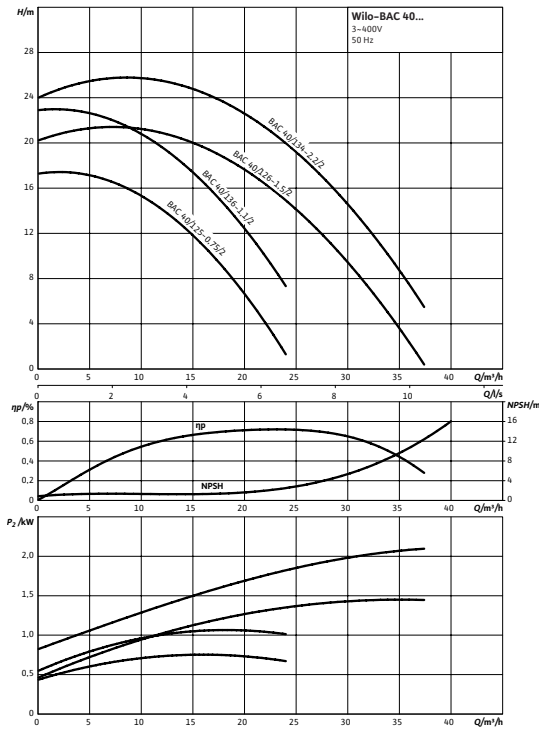
Protection class	IP 55	
Insulation class	F	
Mains connection	3~400 V, 50 Hz	
Speed range	n	2900 rpm
Nominal motor power	P_2	1.50 kW
Nominal current 3~400 V, 50 Hz	I_N	3.70 A
Screwed cable connection		1xM25 PG

Information for order placements

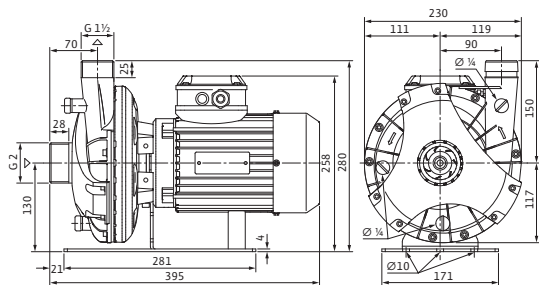
Make	Wilo	
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Art no.	4158650	
Weight approx.	m	19.50 kg

Data sheet: Wilo-BAC 40/136-1,1/2-S

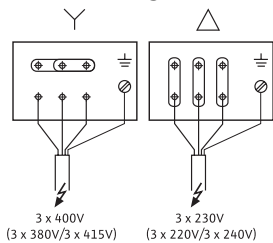
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Pump shaft	X30Cr13
Mechanical seal	BQEGG

Motor/electronics

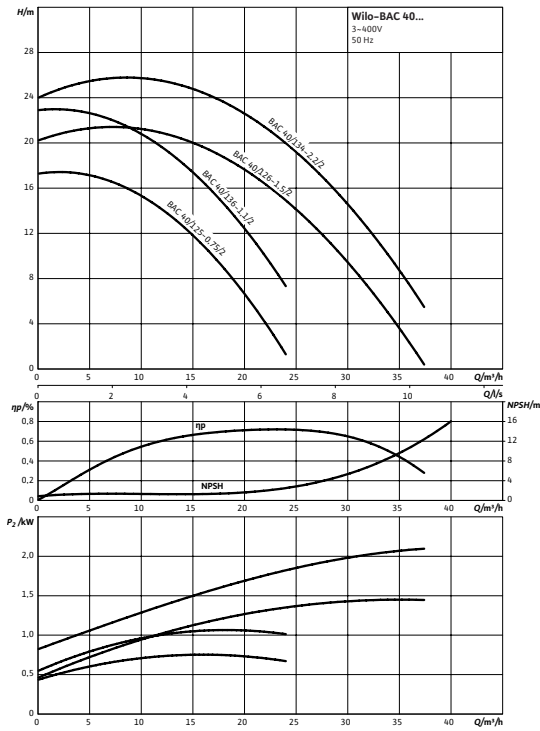
Protection class	IP 55	
Insulation class	F	
Mains connection	3~400 V, 50 Hz	
Speed range	n	2900 rpm
Nominal motor power	P_2	1.10 kW
Nominal current 3~400 V, 50 Hz	I_N	2.80 A
Screwed cable connection		1xM20 PG

Information for order placements

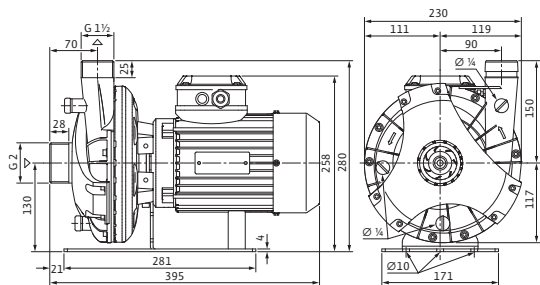
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Type	BAC 40/136-1,1/2-S	
Art no.	4158651	
Weight approx.	m	15.30 kg

Data sheet: Wilo-BAC 40/125-0,75/2-S

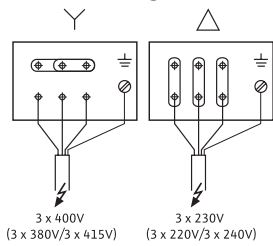
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Impeller	PA-GF30
Pump shaft	X30Cr13
Mechanical seal	BQEGG

Motor/electronics

Protection class	IP 55	
Insulation class	F	
Mains connection	3~400 V, 50 Hz	
Speed range	n	2900 rpm
Nominal motor power	P_2	0.75 kW
Nominal current 3~400 V, 50 Hz	I_N	1.910 A
Screwed cable connection		1xM20 PG

Information for order placements

Make	Wilo	
Type	BAC 40/125-0.75/2-S	
Art no.	4158652	
Weight approx.	m	13.90 kg