

BS-440

DESCRIPTION

The Eisele BS-440 pump group is **self-priming** up to 7.5 m, even **dry**, even with an abnormally **long** suction hose, even when this hose goes up and down for meters, and even against a full discharge pipe.

This thanks to a simple diaphragm pump, built into the bearing block.

The bearing block contains a large oil bath that lubricates and cools the shaft seal. This allows the pump to **run DRY** indefinitely.

Pumping heavily loaded water, bentonite with soil, sludge or slurry is no problem, partly due to the **thick, 20 mm wide blades** and the **low speed**.

Furthermore, the group is **easy to move** due to its wheelbarrow shape and lifting eye.

SPECIFICATIONS

Pump : single-stage centrifugal.

Impeller: open, with three 20 mm wide vanes. Diameter 210mm.

Shaft seal : Mechanical, SiC/SiC, in large oil bath that can be controlled from the outside. SAE 30HD oil.

Temperature of pumped liquid : Maximum 50°C, short-term 60°C.

Suction and pressure : Quick couplings Perrot 3" male. Outlet with non-return valve with hinged hemispherical rubber flap, and with 360° orientable elbow.

Motor : 3 kW, 4 hp, 1500 rpm, 50 Hz, three-phase, **400 V, 6 A**, or 230/400 V, 10.4 A.

Insulation box F, protection IP44.

Other voltages on request.

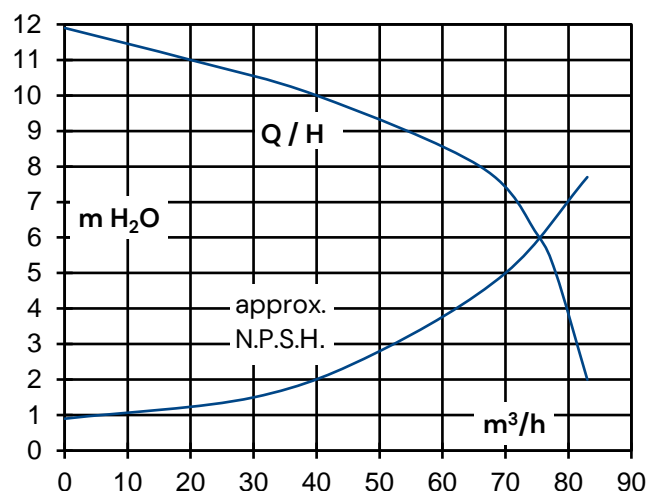
Switch : Mounted on the motor, with built-in thermal protection in the working positions, can be reset manually.

Or for direct start at 400 V.

Either for direct start at 400 V and for YD start at 230 V.

Equipped with a CEE **16A 5P** male plug with **phase inverter**.

PERFORMANCE



m³/h	83	78	66	42
m H ₂ O	2	5	8	10

TECHNICAL DATA

type	Ø std.	Q max.	H _{man} max	kg
BS-440	3"	83 m³/h	12 m	105

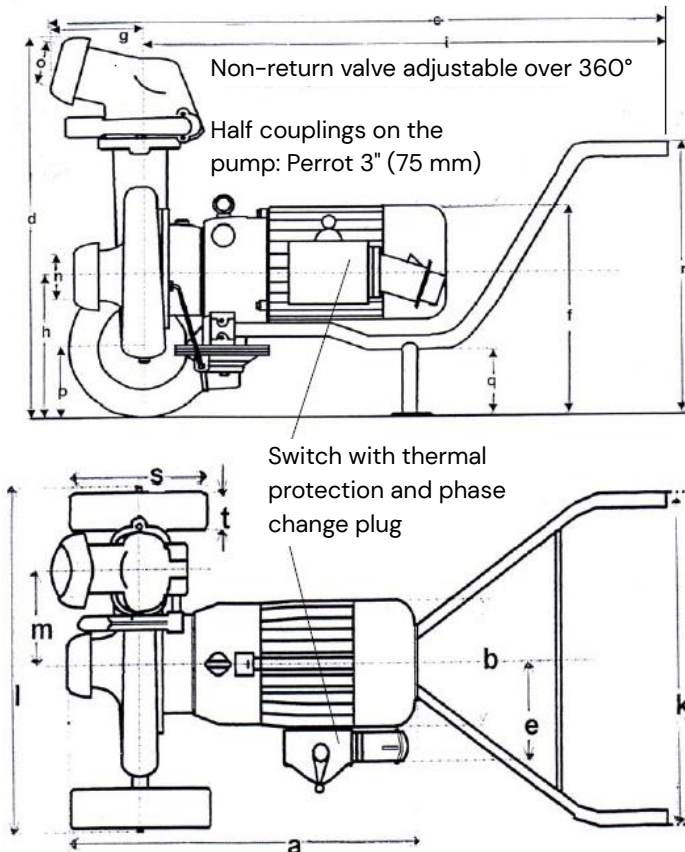
MATERIALS

impeller, pump housing and motor housing	cast iron GG25
impeller nut and shaft	stainless steel
no aluminium in contact with liquid	



BS-440

DIMENSIONS



type	BS-440	k	580
a	680	l	600
b	221	m	158
c	1180	n	89
d	870	o	89
e	225	p	135
f	400	q	125
g	155	r	510
h	285	s	275
i	1040	t	70

ALTERNATIVES

- diesel powered with crank or electric start
- soundproofed
- electrically driven, explosion-proof, possible with start/stop or with float box
- chassis with large pneumatic tires and drawbar
- or on (possibly approved) trailer
- on foundation frame for permanent installation
- other couplings on suction and discharge side

ACCESSORIES

Level switch.

Suction strainer with optimally large free passage adapted to the pump vane width, with a large surface to remain free for a long time, and with a hose nipple that extends all the way to the bottom for low suction.

Suction hoses with couplings. **Spiral hose** for the first 5 m after the pump and elsewhere where there are bends and edges. **Layflat hose** that can be rolled up, also in great lengths.

Reduction pieces.

INSTALLATION

Often one man without a crane is sufficient.

Unlike a submersible pump, the Eisele is placed in an *accessible* place, partly because suction can be carried out along a *long* pipe if necessary.

A further advantage over a submersible pump is that the suction strainer can be moved. The basket does not absorb as quickly as a submersible pump and can be hung or wrapped in gauze. In the event of clogging, the impeller and shaft seal are preserved. The oil chamber is accessible and much larger. There is no cable or motor under water.

WARRANTY

One year to our Terms and Conditions. Reservation for change of data. Output and npsh do not claim ISO 2548 C accuracy. For the npsh, please count on at most 90%, 80% or 70% at resp. 1.9, 3.5, 5 m suction height, even at low discharge pressure.

BS-740

DESCRIPTION

The Eisele BS-740 pump group is **self-priming** up to 7.5 m, even **dry**, even with an abnormally **long** suction hose, even when this hose goes up and down for meters, and even against a full discharge hose.

This thanks to a simple diaphragm pump, built into the bearing block.

The bearing block contains a large oil bath that lubricates and cools the shaft seal. This allows the pump to **run DRY indefinitely**.

Pumping **heavily loaded** water, bentonite with soil, sludge or slurry is no problem, partly due to the **thick blades** and the low speed.

Furthermore, the group is **easy to move** due to its wheelbarrow shape and lifting eye.

SPECIFICATIONS

Pump : single-stage centrifugal.

Impeller: open, with three 15 mm wide vanes. Diameter 260 mm.

Shaft seal : Mechanical, SiC/SiC, in large oil bath that can be controlled from the outside. SAE 30HD oil.

Temperature of pumped liquid : Maximum 50°C, short-term 60°C.

Suction and pressure : Quick couplings Perrot 4" male. Outlet with non-return valve with hinged hemispherical rubber flap, and with 360° orientable elbow.

Motor : 5.5 kW, 7.5 cv, 1500 rpm, 50 Hz, three-phase, **400 V, 10.9 A**, or 230/400 V, 19 A.

Insulation class F, protection IP44.

Other voltages on request.

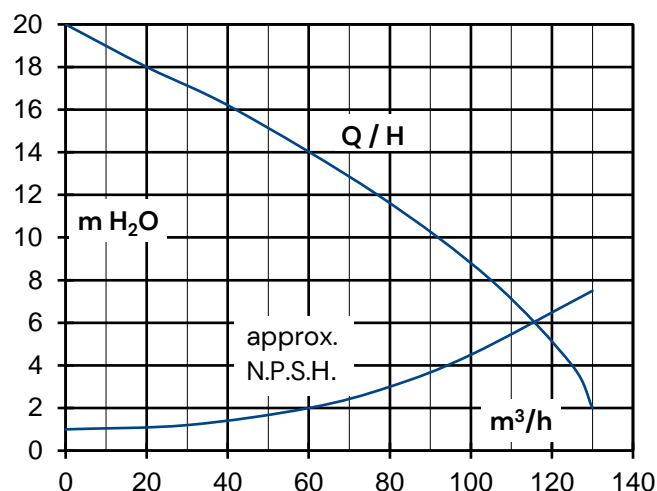
Switch : Mounted on the motor, with built-in thermal protection in the working positions, can be reset manually.

Or for direct start at 400 V.

Either for direct start at 400 V and for YD start at 230 V.

Equipped with a CEE **5P male plug** with **phase inverter**, 16A for 400 V, 32A for 230/400V.

PERFORMANCE



m ³ /h	125	105	77	42
m H ₂ O	4	8	12	16

TECHNICAL DATA

type	Ø std.	Q max.	H _{man} max	kg
BS-740	4"	130 m ³ /h	20 m	140

MATERIALS

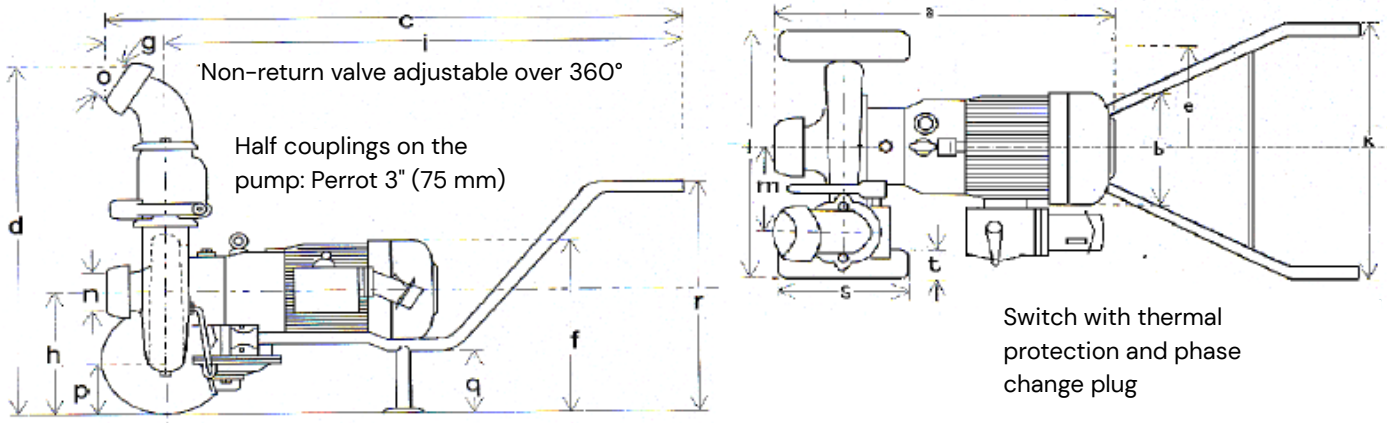
impeller, pump housing and motor housing	cast iron GG25
impeller nut and shaft	stainless steel
no aluminium in contact with liquid	



BS-740

DIMENSIONS

Type	a	b	c	d	e	f	g	h	i	k	l	m	n	o	p	q	r	s	t
BS-740	730	260	1260	920	230	470	155	315	1110	590	580	180	108	108	140	160	595	2800	70



ALTERNATIVES

- diesel powered
- soundproofed
- with explosion-proof motor
- large pneumatic tires and drawbar
- or on (possibly approved) trailer
- on foundation frame for permanent installation
- other couplings

ACCESSORIES

Like the Eisele pumps themselves, always available from stock for purchase or rental:

Suction strainer with optimally large free passage adapted to the pump vane width, with a large surface to remain free for a long time, and with a hose nipple that extends close to the bottom to enable low suction if necessary.

Hoses with couplings : Spiral hose for suction and the first 5 m after the pump and elsewhere where there are bends and edges. Flat hose that can be rolled up, also in great lengths.

Level switch.

INSTALLATION

Often one man without a crane is sufficient.

Unlike a submersible pump, the Eisele is placed in an *accessible* place, partly because suction can be carried out along a *long* pipe if necessary.

The suction strainer can be moved.

The basket does not absorb as quickly as a submersible pump and can be hung or wrapped in gauze.

In the event of clogging, the impeller and shaft seal can be preserved. The oil chamber is larger and accessible.

There is no cable underwater.

WARRANTY

One year to our Terms and Conditions. Reservation for change of data. Output and n_{ps}h do not claim ISO 2548 C accuracy. For the n_{ps}h, please count on at most 90%, 80% or 70% at resp. 1.9, 3.5, 5 m suction height, even at low discharge pressure.

BS-154

DESCRIPTION

The Eisele BS-154 pump group is **self-priming** up to 7.5 m, even **dry**, even with an abnormally **long** suction hose, even when this hose goes up and down for meters, and even against a full discharge pipe.

This thanks to a simple diaphragm pump, built into the bearing block.

The bearing block contains a large oil bath that lubricates and cools the shaft seal. This allows the pump to **run DRY indefinitely**.

Pumping **heavily loaded** water, bentonite with soil, sludge or slurry is no problem, partly due to the thick, **35 mm wide blades** and the low speed.

Furthermore, the group is **easy to move** due to its wheelbarrow shape and lifting eye.

SPECIFICATIONS

Pump : single-stage centrifugal.

Impeller: open, with three 35 mm wide vanes. Diameter 231mm.

Shaft seal : Mechanical, SiC/ceramic, in large oil bath that can be controlled from the outside. SAE 30HD oil.

Temperature of pumped liquid : Maximum 50°C, short-term 60°C.

Suction and pressure : Quick couplings Perrot 6" male. Non-return valve with hinged hemispherical rubber flap.

360° adjustable bend.

Motor : 11 kW, 15 hp, 1500 rpm, 50 Hz, three-phase, 400V, 21.2A, or 230/400V, 36.8A.

Insulation class F, protection IP44.

Other voltages on request.

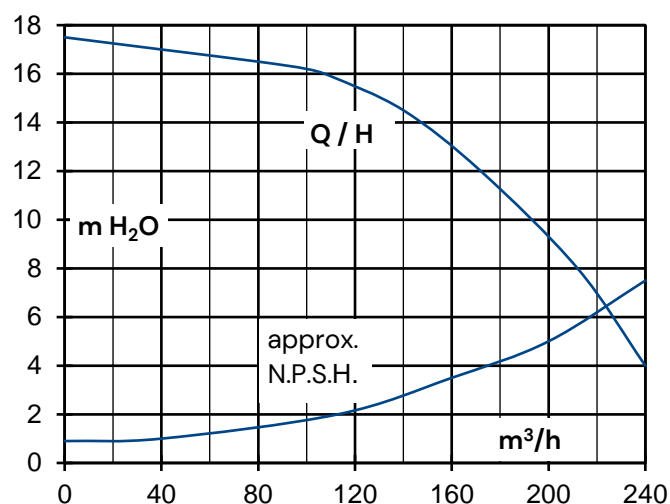
Switch : Mounted on the motor, with built-in thermal protection in the working positions, can be reset manually.

Or for direct start at 400 V.

Either for direct start at 400 V and for YD start at 230 V.

Equipped with a CEE **5P** male plug with **phase inverter**, **32A** for 400 V, 63A for 230/400 V.

PERFORMANCE



m ³ /h	240	212	172	108
m H ₂ O	4	8	12	16

TECHNICAL DATA

type	Ø std.	Q max.	H _{man} max	kg
BS-154	6"	240 m ³ /h	17,5 m	250

MATERIALS

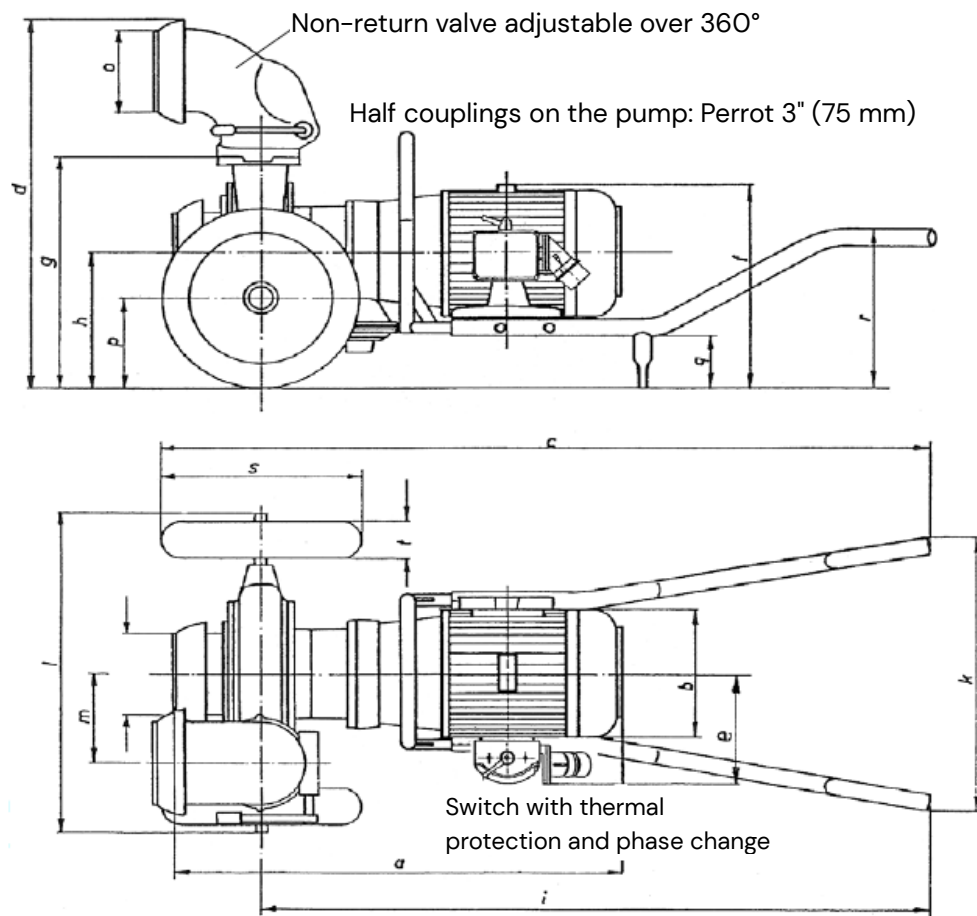
Impeller, pump housing and motor housing	cast iron GG25
impeller nut and shaft	stainless steel
no aluminium in contact with liquid	



BS-154

DIMENSIONS

a	915
b	304
c	1580
d	760
e	280
f	485
g	495
h	305
i	1380
k	605
l	730
m	195
n	159
o	159
p	200
q	110
r	350
s	400
t	80
u	45
v	354
w	450
x	70
kg	250



ALTERNATIVES

- with explosion-proof motor
- chassis with large pneumatic tires and drawbar
- or on (possibly approved) trailer
- on frame for tank truck or drill train
- other couplings

ACCESSORIES

Available from stock for purchase or rental :

Level switch.

Suction strainer with free passage adapted to the pump vane width, with a large surface to remain free for a long time, and with a hose nipple that extends close to the bottom for low suction.

Piping : Spiral hose for suction and the first 5 m after the pump and elsewhere where there are bends and edges. Flat hose that can be rolled up, also in great lengths. Quick coupling pipes.

INSTALLATION

Often one man without a crane is sufficient.

Unlike a submersible pump, the Eisele is placed in an *accessible* place, partly thanks to its ability to suck along a *long* pipe if necessary.

The suction strainer can be moved.

The basket does not absorb as quickly as a submersible pump and can be hung or wrapped in gauze. In the event of clogging, the impeller and shaft seal can be preserved. The oil chamber is larger and accessible. There is no cable underwater.

WARRANTY

One year to our Terms and Conditions. Reservation for change of data. Output and npsh do not claim ISO 2548 C accuracy. For the npsh, please count on at most 90%, 80% or 70% at resp. 1.9, 3.5, 5 m suction height, even at low discharge pressure.