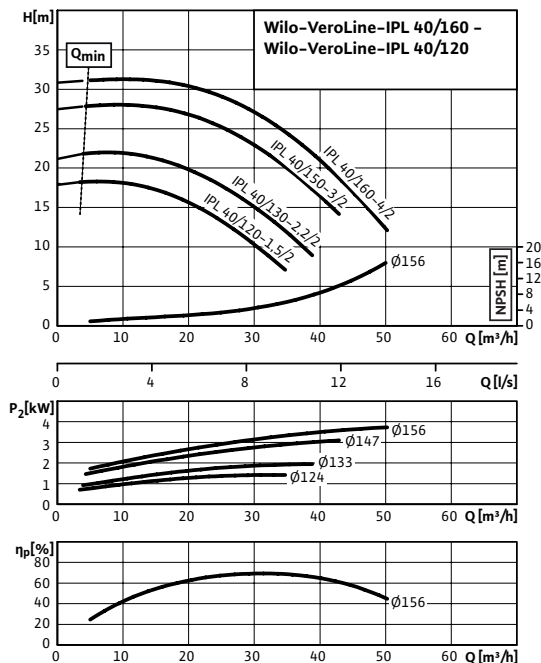


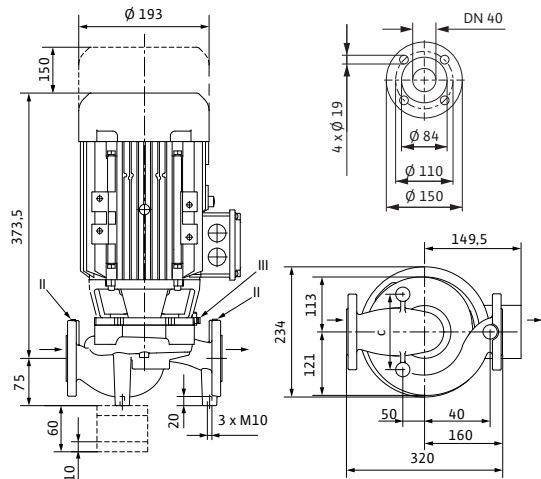
Data sheet: Wilo-VeroLine-IPL 40/130-2.2/2

Pump curves

2-pole, 50 Hz



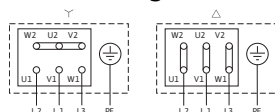
Dimension drawing



Note:

Housing with feet for installation on a base, brackets on request; II Pressure measuring connection R1/8; III Ventilation R1/8

Terminal diagram



Δ: Connection diagram delta connection

Y: Connection diagram star connection

Motor protection switch required on-site.

Check the direction of rotation! To change the direction of rotation, exchange any two phases.

$P_2 \leq 3$ kW 3~400 V Y

3~230 V Δ

$P_2 \geq 4$ kW 3~690 V Y

3~400 V Δ

Subject to change without prior notice.

3~400 V Δ

www.wilo.co.uk 50 Hz

After removing the bridges, Y-Δ start is

Approved fluids (other fluids on request)

Heating water (in accordance with VDI 2035)	•
Water-glycol mixtures (for 20–40 vol.% glycol and fluid temperature ≤ 40 °C)	•
Cooling and cold water	•
Heat transfer oil	Special version at additional charge

Permitted field of application

Standard version for operating pressure	p_{max}	10 bar
Special version for operating pressure	p_{max}	16 bar
Temperature range at max. ambient temperature +40 °C		–20...+120 °C (depending on the fluid)
Max. ambient temperature		+40 °C
Installation in closed buildings		•
Outdoor installation		Special version at additional charge

Pipe connections

Nominal flange diameter	DN 40
Flanges (according to EN 1092-2)	PN 10 (PN 16 on request)
Flange with pressure-measurement connections	R $\frac{1}{8}$

Materials

Pump housing	EN-GJL-250
Lantern	EN-GJL-250
Impeller	PPO-GF30
Impeller (special version)	–
Pump shaft	1.4021 [AISI420]
Mechanical seal	AQEGG
Other mechanical seals	On request

Electrical connection

Mains connection	3~400 V, 50 Hz
Nominal speed	n 2900 rpm

Minimum Efficiency Index (MEI)

Minimum Efficiency Index (MEI)	≥ 0.40
Pump with max. impeller diameter for determining the MEI	IPL40/160-4/2

Data sheet: Wilo-VeroLine-IPL 40/130-2.2/2



Motor/electronics

Integrated full motor protection	Special version with PTC thermistor sensor (KLF) at additional charge	
Protection class	IP 55	
Insulation class	F	
Rated current (approx.)	I_N 3~40 0 V	4.62 A
Motor efficiency level	IE2	
Motor efficiency	η_m 50%/ m 75%/ m 100%	82.0/83.2/83.2 %
Power factor	$\cos \varphi$	0.82
Nominal motor power	P_2	2.2 kW
Motor winding up to 3 kW	230 V Δ /400 V Y, 50 Hz	
Motor winding from 4 kW	400 V Δ /690 V Y, 50 Hz	

Installation options

Pipe installation (≤ 15 kW motor power)	•
Support-bracket mounting	•

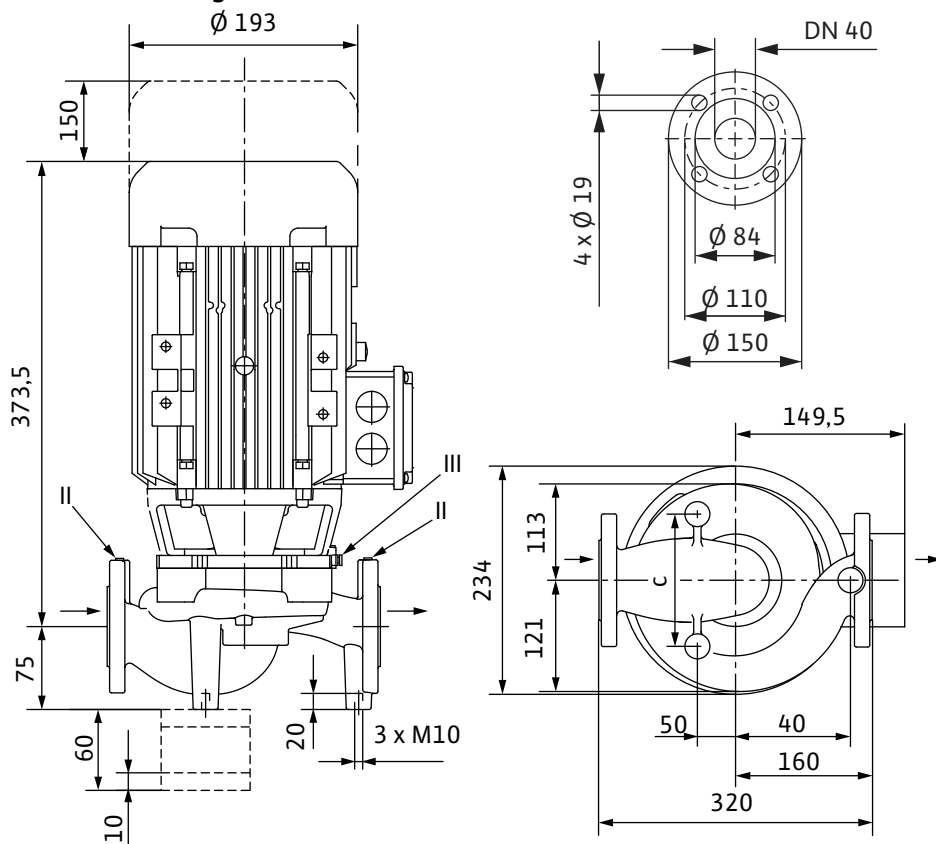
Information for order placements

Weight approx.	m	35 kg
Make	Wilo	
Type	VeroLine-IPL 40/130-2.2/2	
Art no.	2089587	

Observe motor name plate data

Dimensions and dimension drawings: Wilo-VeroLine-IPL 40/130-2.2/2

Dimension drawing



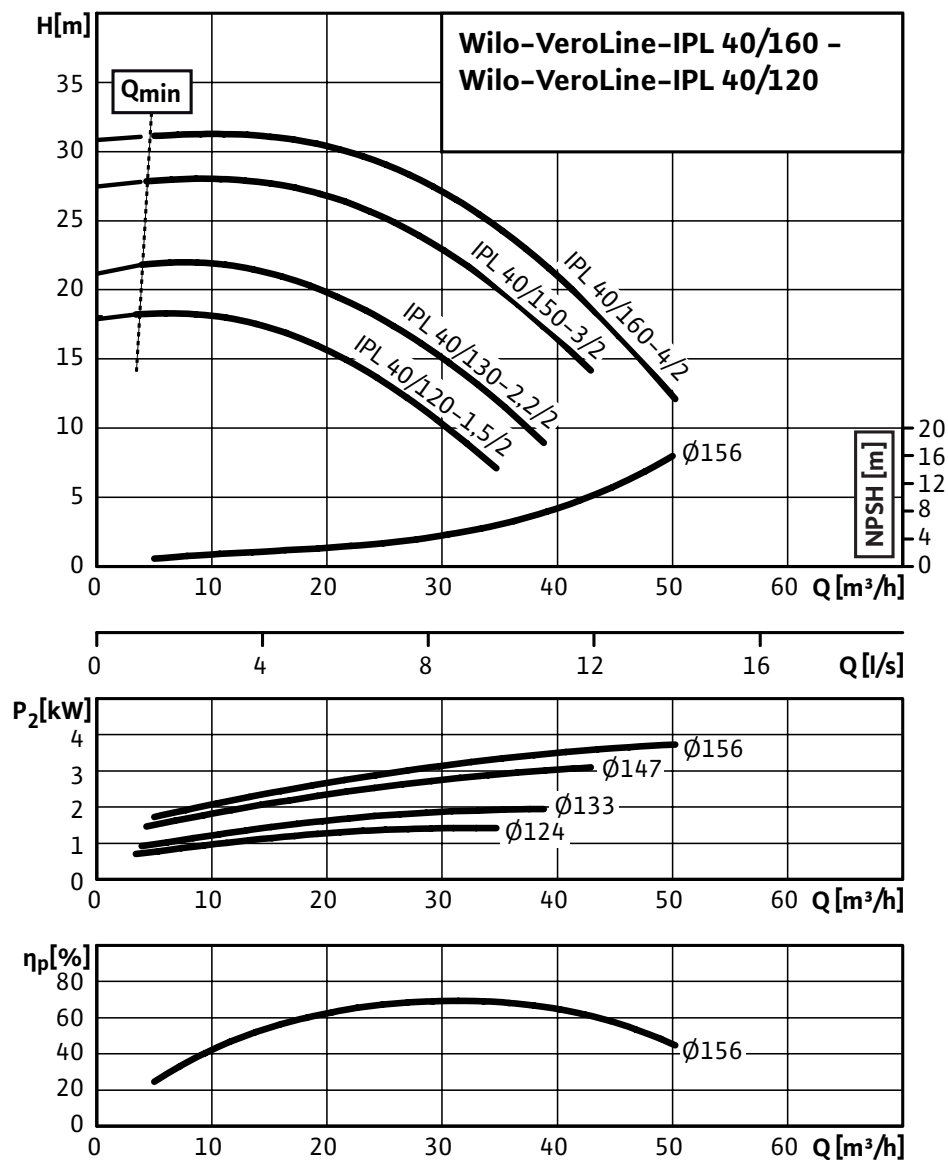
Note:

Housing with feet for installation on a base, brackets on request; II Pressure measuring connection R1/8; III Ventilation R1/8

Pump curves: Wilo-VeroLine-IPL 40/130-2.2/2

Pump curves

2-pole, 50 Hz



Ordering information: Wilo-VeroLine-IPL 40/130-2.2/2

Information for order placements		
Make		Wilo
Type		VeroLine-IPL 40/130-2.2/2
Art no.		2089587
EAN number		4016322990574
Colour		Green
Minimum order quantity		1
Minimum order quantity unit		PCE
Weight (net)	kg	35
Length (net)	mm	448.5
Width (net)	mm	234
Height (net)	mm	320
Weight (gross)	kg	32.7
Length (gross)	mm	540
Width (gross)	mm	380
Height (gross)	mm	360
Packaging type		Cardboard box

Specification texts: Wilo-VeroLine-IPL 40/130-2.2/2

Single-stage glanded centrifugal pump with compact in-line design with directly flanged three-phase motor and one-piece shaft or with lantern and standard motor rigidly connected by coupling (N version). The IPL series is suitable for pipe installation or installation on a base. Mounting brackets are available as accessories. With forced-flow circulation, bidirectional bellows mechanical seal and cavitation-reducing plastic impeller. Flange with R 1/8 pressure measuring connections. Pump housing and lantern are cataphoretic-coated.

Materials

Pump housing: EN-GJL-250

Lantern: EN-GJL-250

Impeller: PPO-GF30

Pump shaft: 1.4021 [AISI420]

Mechanical seal: AQEGG

Permitted field of application

Standard version for operating pressure: 10 bar

Temperature range at max. ambient temperature +40 °C: -20...+120 °C (depending on the fluid)

Max. ambient temperature: +40 °C

Pipe connections

Nominal flange diameter: DN 40

Flanges (according to EN 1092-2): PN 10 (PN 16 on request)

Flange with pressure-measurement connections: R $\frac{1}{8}$

Overall length: 320 mm

Minimum Efficiency Index (MEI)

Minimum Efficiency Index (MEI): ≥ 0.40

Pump with max. impeller diameter for determining the MEI: IPL40/160-4/2

Motor/electronics

Protection class: IP 55

Insulation class: F

Rated current (approx.): 4.62 A

Motor efficiency level: IE2

Motor efficiency: 82.0/83.2/83.2 %

Power factor: 0.82

Nominal motor power: 2.2 kW

Nominal speed: 2900 rpm

Weight

Weight approx.: 35 kg

Information for order placements

Art no.: 2089587

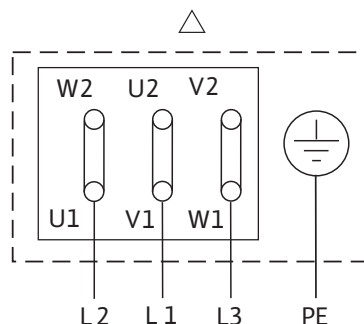
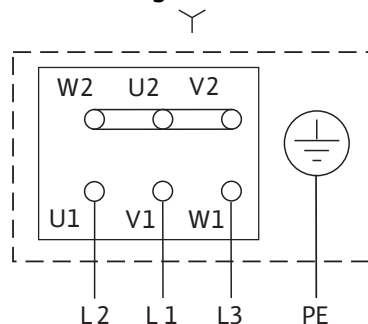
Type: VeroLine-IPL 40/130-2.2/2

Specification texts: Wilo-VeroLine-IPL 40/130-2.2/2

Make: Wilo

Terminal diagram : Wilo-VeroLine-IPL 40/130-2.2/2

Terminal diagram



Δ: Connection diagram delta connection

Y: Connection diagram star connection

Motor protection switch required on-site. Check the direction of rotation! To change the direction of rotation, exchange any two phases.

$P_2 \leq 3 \text{ kW}$ 3~400 V Y

3~230 V Δ

$P_2 \geq 4 \text{ kW}$ 3~690 V Y

3~400 V Δ

After removing the bridges, Y-Δ start is possible.