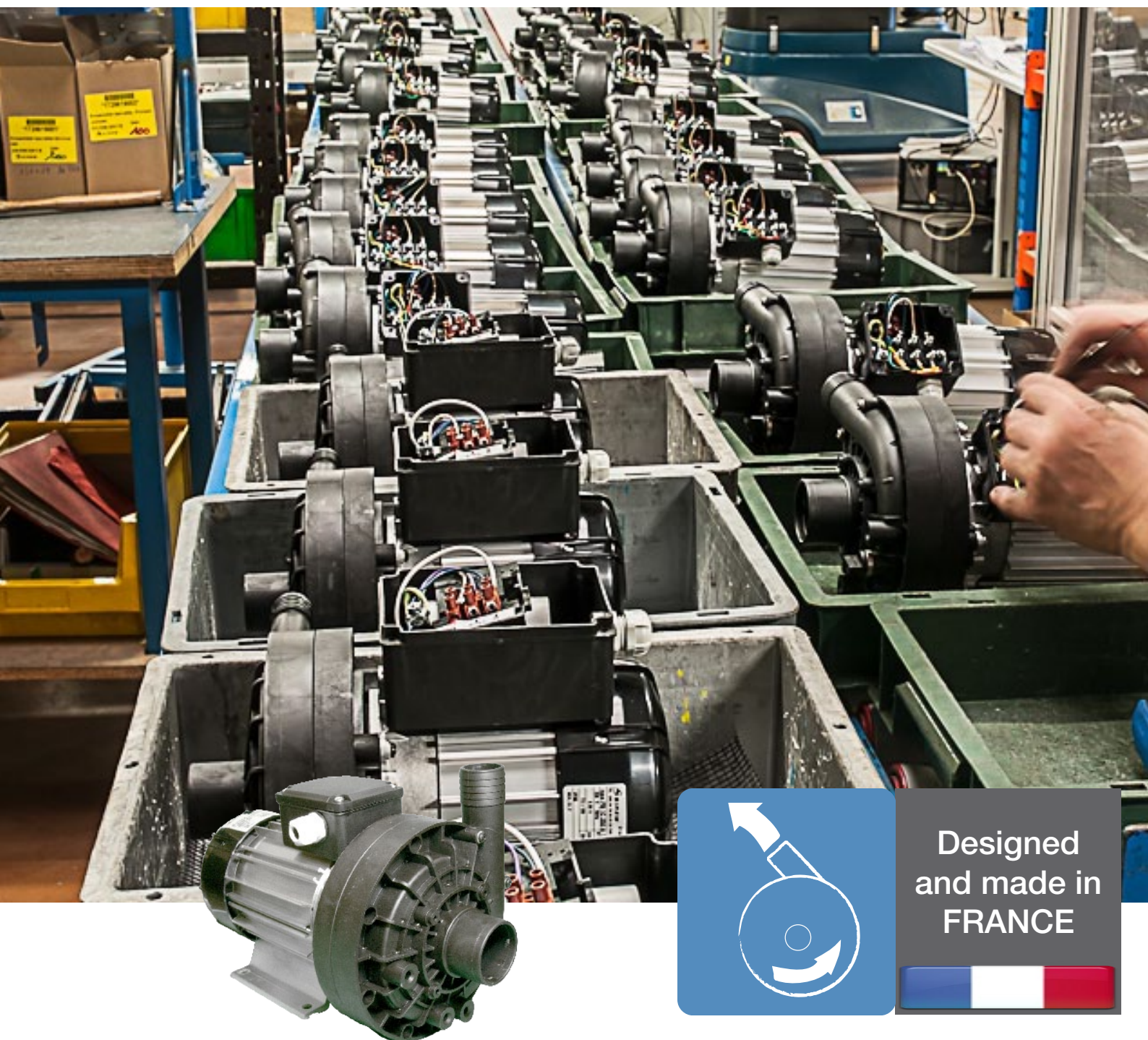




Designed
and made in
FRANCE



Pump catalog

Pumps by SIREM

Pumps are part of a SIREM key activity.

Since the sixties, SIREM designs and manufactures circulation pumps for various activities, especially for the washing machines. Very soon SIREM enters a new market : the milk cooling tank for which SIREM quickly becomes the global leader.

Since then, SIREM know-how ranges in all sorts of pumps such as centrifugal pumps for all kind of applications, but also immersed body pumps which are well adapted for small flow rate devices such as sheet ice machines or air conditioning installations.

With this experience, SIREM manufactures today more than 50 000 pumps per year ranging for industry, to swimming pools business and balneotherapy.

SIREM strength is to meet the requests of small and medium-size series in accordance with the specific requirements of your specifications.

Choose your pump

		Max flow (m ³ /h)	Max pressure (meters)
Centrifugal pump A		8	3
Centrifugal pump E		5	8
Vertical pump F		3	5
Vertical pump J		3.5	3.3
Centrifugal pump H		10	22
Centrifugal pump K		31	17
Centrifugal pump L		31	17



COMPACT, LOW FLOW PUMP BODY IN POLYPROPYLENE ASYNCHRONOUS MOTOR

APPLICATIONS :

- Sanitary waters, distilled waters
- Chemical products
- Food-processing industry

TECHNICAL FEATURES :

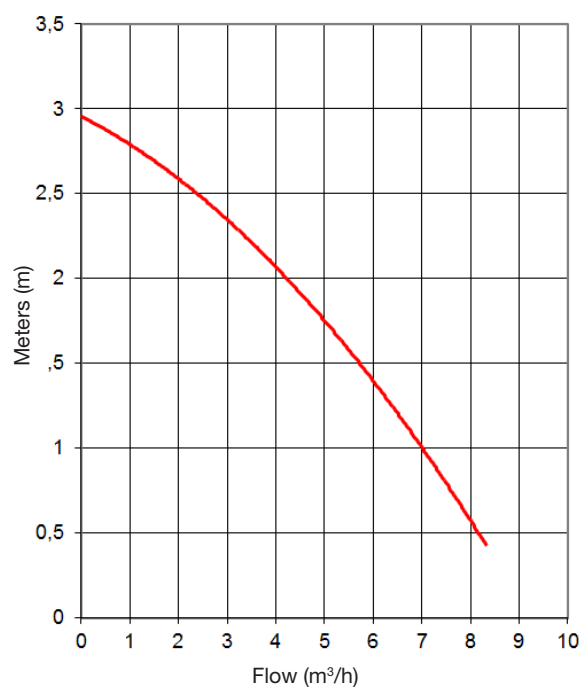
- Asynchronous motor
- Pump body in polypropylene
- Nitril mechanical seal
- Deflector (motor protection in case of leak)
- Single or three phase motor
- Class B insulation
- IP44 protection
- Operating temperature : -5°C to +90°C

OPTIONS AVAILABLE ON DEMAND :

- Voltages and frequencies
- Classe F insulation
- IP55 protection
- Stainless steel screws assembly
- Motor housing with anti-corrosion protection

COMPLY WITH STANDARDS :

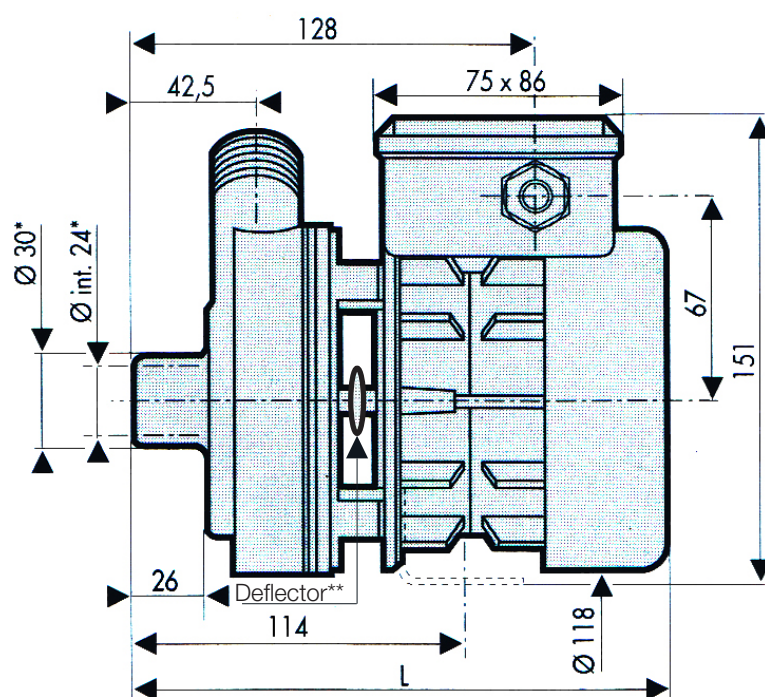
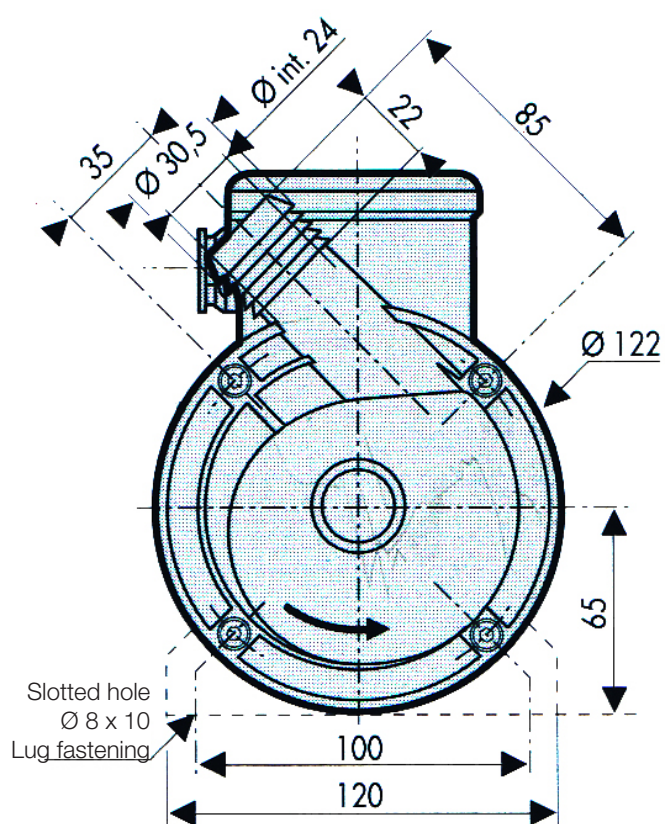
- EN 60335-1
- EN 60335-2-41



Type	Designation	Input power (W)	Output power (W)	Power supply 230V - A	Cos φ	Weight (Kg)
Single phase 230V- 50hz	PB 1C 245 A1B	153	93	0.67	0.99	3.6
Three phase 230/400V - 50 Hz	PB 3 245 A1B	166	93	0.49	0.85	3.6



DIMENSIONS



Dimensions (mm)	L
Pumps	
PB 1C 245 A1B	213
PB 3245 A1B	

** : Deflector : motor protection in case of leak



PUMP BODY IN ALUMINIUM ASYNCHRONOUS MOTOR

APPLICATIONS :

- Hot oils
- Chemical products (on request)
- Hydrocarbons

TECHNICAL FEATURES :

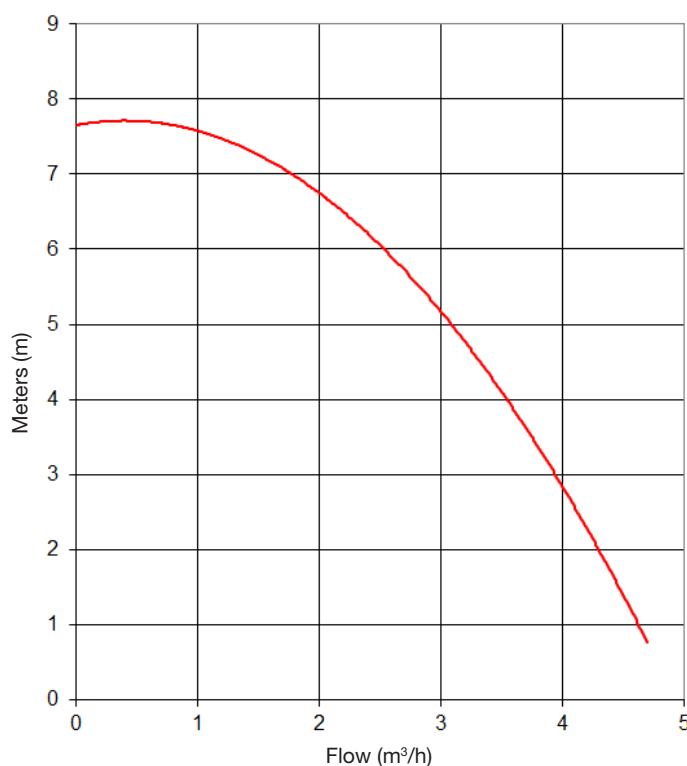
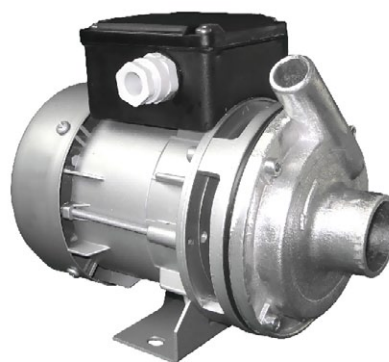
- Asynchronous motor
- Pump body in aluminium AS13
- Nitril mechanical seal
- Deflector (motor protection in case of leak)
- Single or three phase motor
- Class B insulation
- IP44 protection
- Operating temperature : -20°C to +150°C

OPTIONS AVAILABLE ON DEMAND :

- Voltages and frequencies
- Classe F insulation
- IP55 protection
- Stainless steel screws assembly
- Motor housing with anti-corrosion protection

COMPLY WITH STANDARDS :

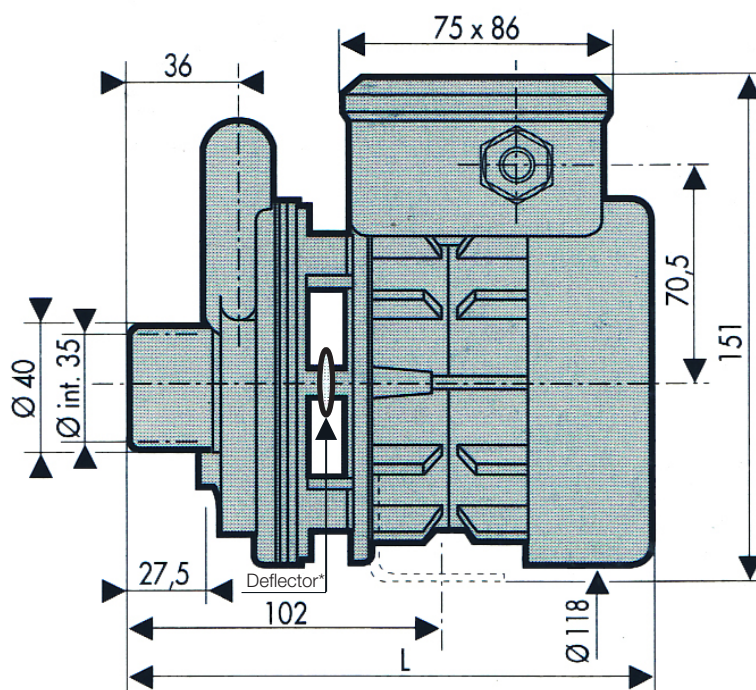
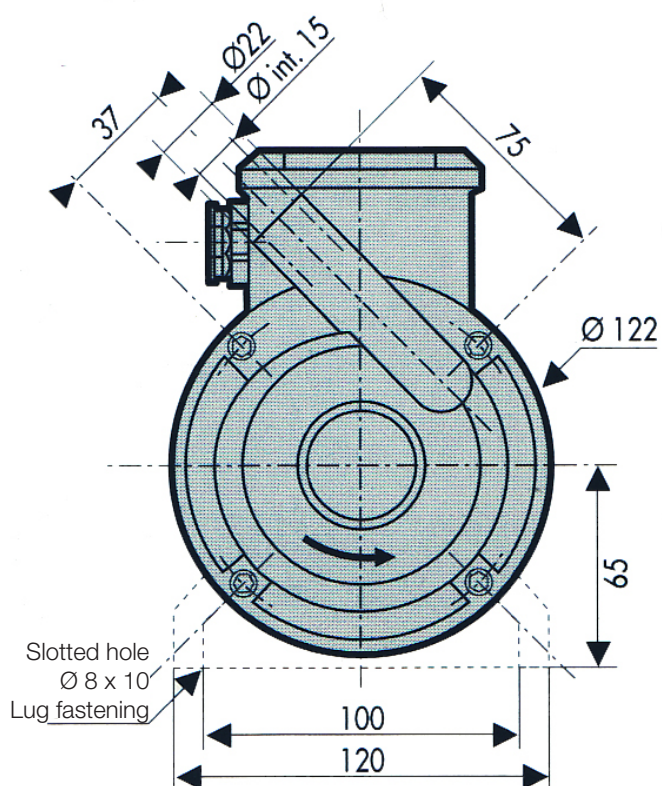
- EN 60335-1
- EN 60335-2-41



Type	Designation	Inlet power (W)	Outlet power (W)	Power supply 230V - A	Cos φ	Weight (Kg)
Single phase 230V- 50hz	PB 1C 245 E1B	153	93	0.67	0.99	3.8
Three phase 230/400V - 50 Hz	PB 3 245 E1B	166	93	0.49	0.85	3.8



DIMENSIONS



Dimensions (mm)	L
Pumps	
PB 3245 E1B	201
PB 1C 245 E1B	201

*: Deflector : motor protection in case of leak



VERTICAL PUMP WITH IMMERSED BODY > 0,5 BAR

PUMP BODY IN ALUMINIUM

ASYNCHRONOUS MOTOR

APPLICATIONS :

- Lubricating oils
- Printing ink
- Hydrocarbons

TECHNICAL FEATURES :

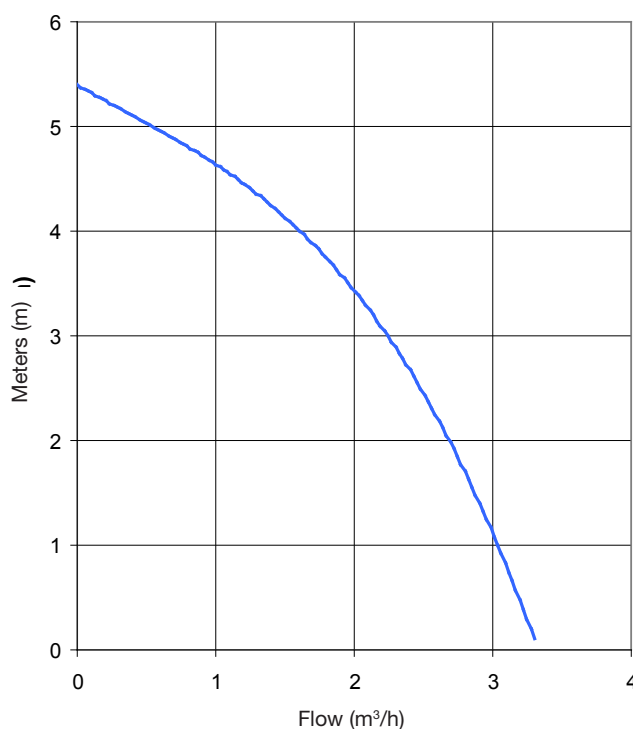
- Asynchronous motor
- Open impeller
- Pump body in aluminium AS13
- Deflector (motor protection in case of leak)
- Single or three phase
- Immersed length : 170 mm
- Class B insulation
- IP44 protection
- Operating temperature : -20°C to +150°C

OPTIONS AVAILABLE ON DEMAND :

- Voltages and frequencies
- Classe F insulation
- IP55 protection
- Stainless steel screws assembly
- Reinforced silicone tube
- Other immersed length
- Motor housing with anti-corrosion protection

COMPLY WITH STANDARDS :

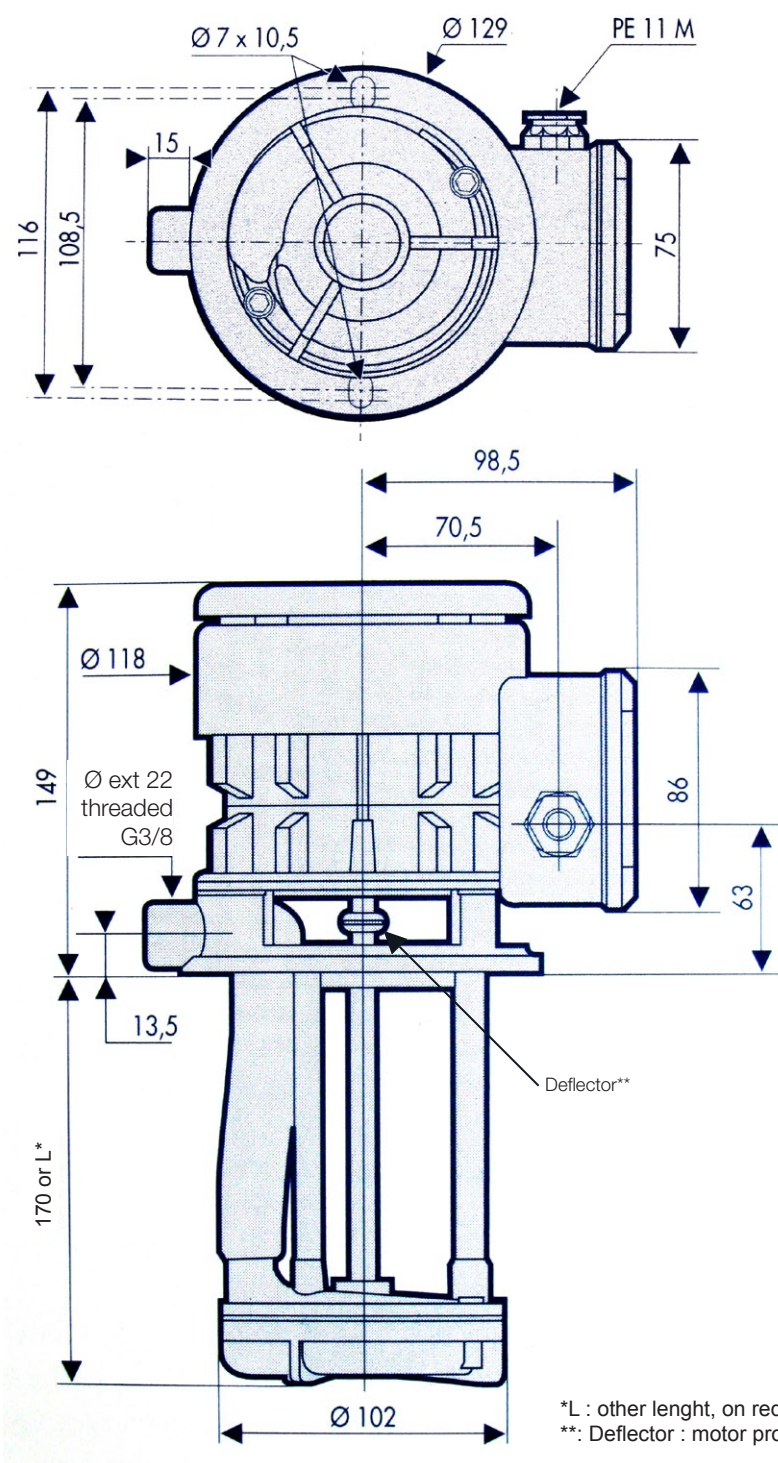
- EN 60335-1
- EN 60335-2-41



Type	Designation	Inlet power (W)	Outlet power (W)	Power supply 230V - A	Cos φ	Weight (Kg)
Single phase 230V- 50hz	P 1C 225 FB	162	85	0.71	0.99	3.3
Three phase 230/400V - 50 Hz	P 3 225 FB	129	66	0;41	0.79	3.3



DIMENSIONS



*L : other lenght, on request

** : Deflector : motor protection in case of leak



VERTICAL PUMP WITH IMMERSED BODY > 0,3 BAR

PUMP BODY IN POLYPROPYLENE

ASYNCHRONOUS MOTOR

APPLICATIONS :

- Ophtalmologic laboratory
- Ice generators
- Dental machines

TECHNICAL FEATURES :

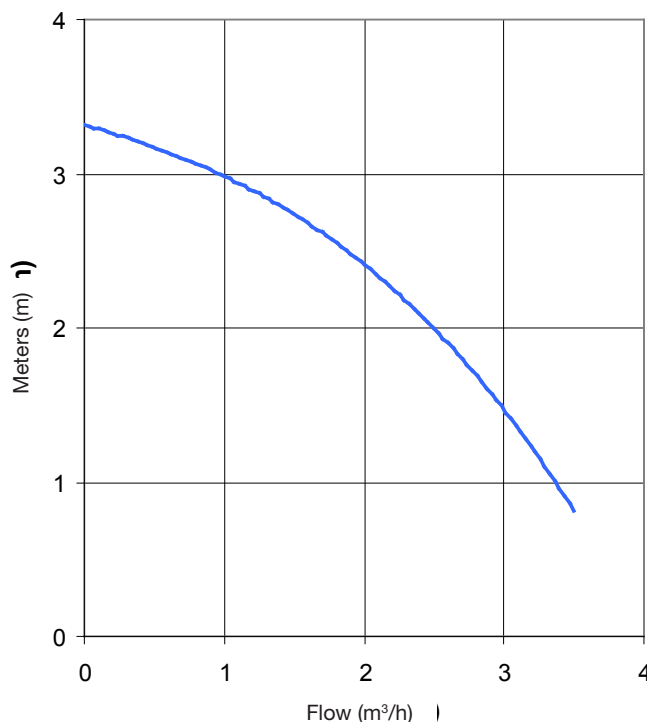
- Asynchronous motor
- Pump body in polypropylene
- Nitril mechanical seal
- Deflector (motor protection in case of leak)
- Single or three phase motor
- Immersed length : 153 mm
- Class B insulation
- IP44 protection
- Operating temperature : -5°C to +90°C

OPTIONS AVAILABLE ON DEMAND :

- Voltages and frequencies
- Classe F insulation
- IP55 protection
- Stainless steel screws assembly
- Other immersed length
- Motor housing with anti-corrosion protection

COMPLY WITH STANDARDS :

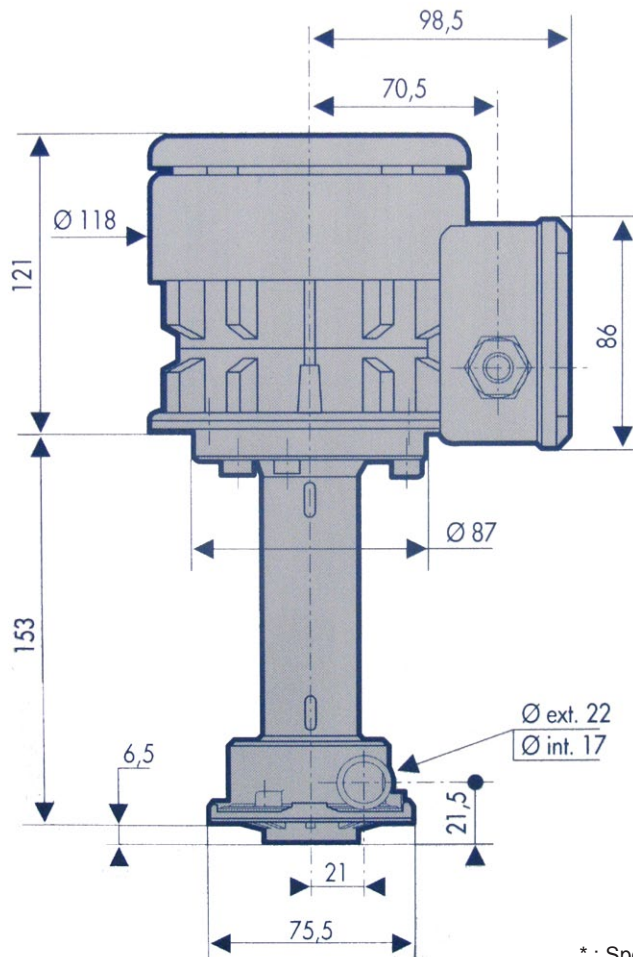
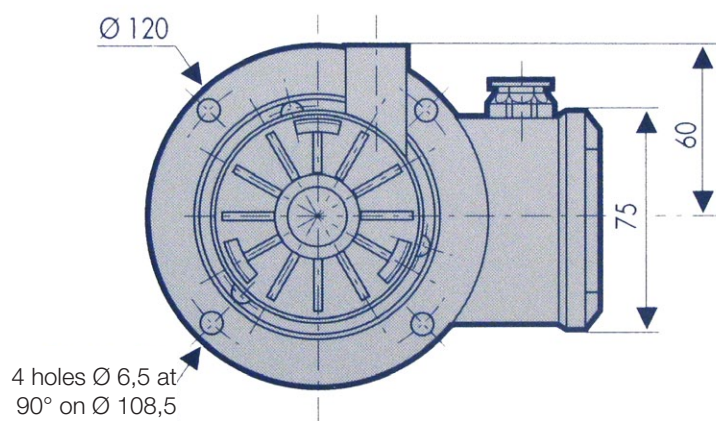
- EN 60335-1
- EN 60335-2-41



Type	Designation	Inlet power (W)	Outlet power (W)	Power supply 230V - A	Cos φ	Weight (Kg)
Single phase 230V- 50hz	P 1 C 225 JB	162	85	0.71	0.99	2.6
Three phase 230/400V - 50 Hz	P 3 225 JB	129	66	0.41	0.79	2.6



DIMENSIONS



* : Specific lenght on demand (max : 300mm)

** : max. 24mm



HIGH PRESSURE PUMP >2 BARS
PUMP BODY IN POLYPROPYLENE
ASYNCHRONOUS MOTOR

APPLICATIONS :

- Chemical products
- Food-processing industry
- Water treatment

TECHNICAL FEATURES :

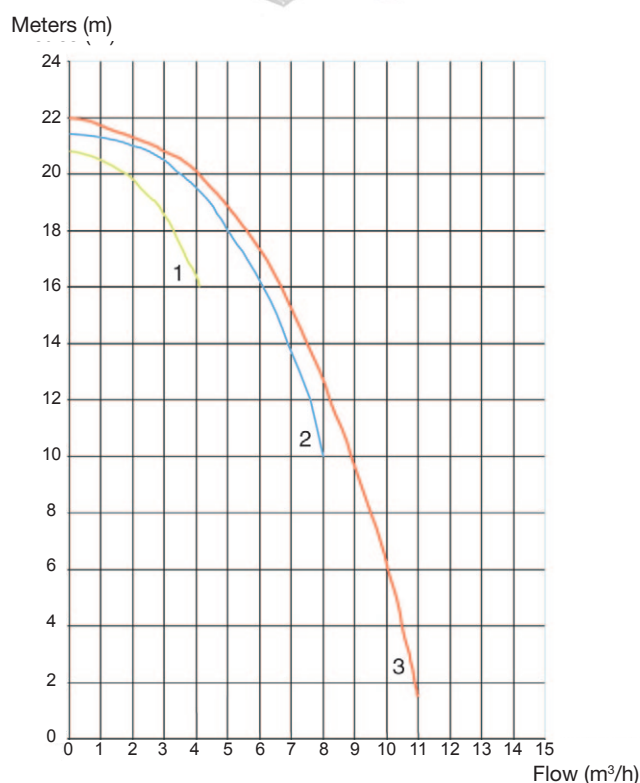
- Asynchronous motor
- Polyamide 6,6 impeller
- Pump body in polypropylene
- Nitril mechanical seal
- Deflector (motor protection in case of leak)
- 8 outlet positions
- 5 terminal box positions
- 3 drain plug positions
- Single or three phase motor
- Class F insulation
- IP44 protection
- Operating temperature : -5°C to +90°C

OPTIONS AVAILABLE ON DEMAND :

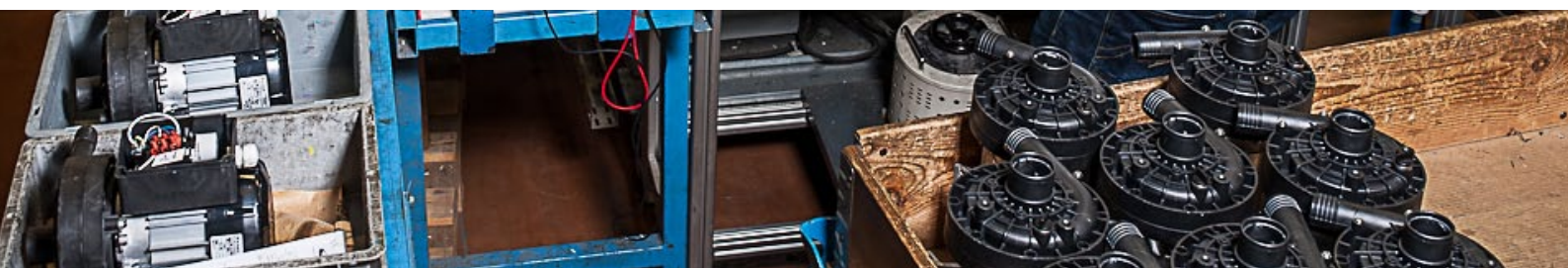
- Voltages and frequencies
- IP55 protection
- Stainless steel screws assembly
- Suction diameter (see dimensions)

COMPLY WITH STANDARDS :

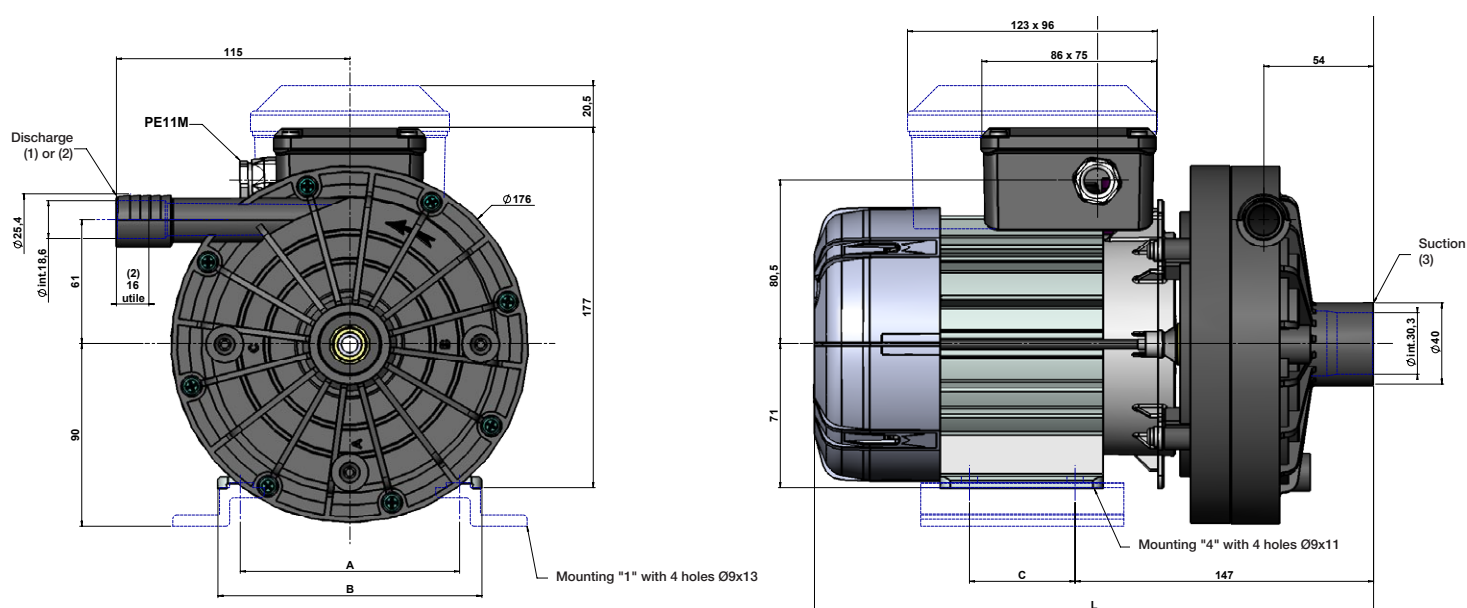
- EN 60335-1
- EN 60335-2-41



Curves	Designation	Single phase with capacitor 230V - 50Hz	Three phase 230/400V - 50Hz	Inlet power (W)	Outlet power (W)	Power supply 230V - A	Cos φ
1	PB 1C250 H4B	•		560	400	2,50	0,98
	PB 3250 H4B		•	560	400	1,85	0,75
2	PB 1C270 H4B	•		900	600	3,95	0,98
	PB 3270 H4B		•	875	600	2,95	0,74
3	PB 1C285 H4B	•		1150	810	5,10	0,98
	PB 3285 H4B		•	985	800	3,40	0,73



DIMENSIONS



Ø Discharge :

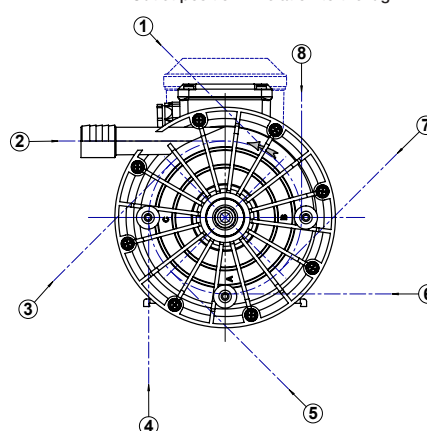
- (1) - Connection on smooth pipe
- (2) - On request : threaded Ø ext. G $\frac{3}{4}$ " male

Ø Suction :

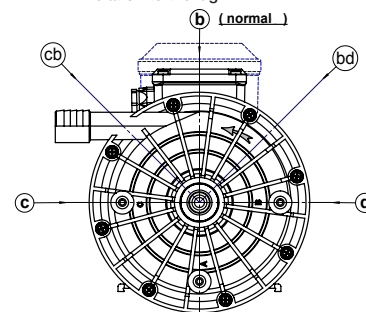
- (3) - On request : threaded Ø int. G1" female

Dimensions (mm)	L	A	B	C
Pumps				
PB 1C250	255	108	130	32
PB 3250				
PB 1C270	275	108	130	52
PB 3270				
PB 1C285	290	108	130	67
PB 3285				

Outlet position in relation to the lug



Position of the terminal box in relation to the lug





HIGH FLOW PUMP > 30M³/H
PUMP BODY IN POLYPROPYLENE
ASYNCHRONOUS MOTOR

APPLICATIONS :

- Chemical products
- Washing machines
- Water treatment

TECHNICAL FEATURES :

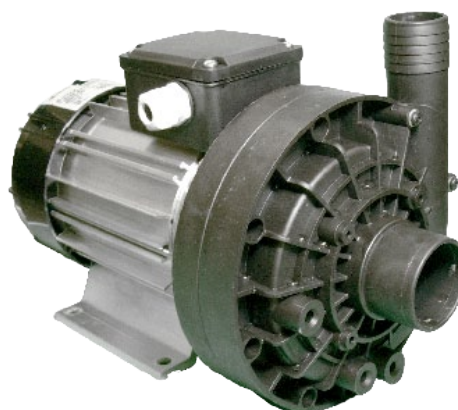
- Asynchronous motor
- Polyamide 6,6 impeller
- Pump body in polypropylene
- Nitril mechanical seal
- Deflector (motor protection in case of leak)
- 8 outlet positions
- 5 terminal box positions
- 3 drain plug positions
- Single or three phase motor
- Class F insulation
- IP44 protection
- Operating temperature : -5°C to +90°C

OPTIONS AVAILABLE ON DEMAND :

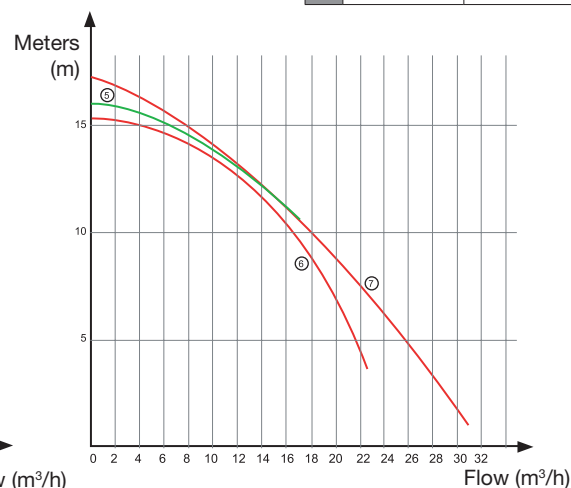
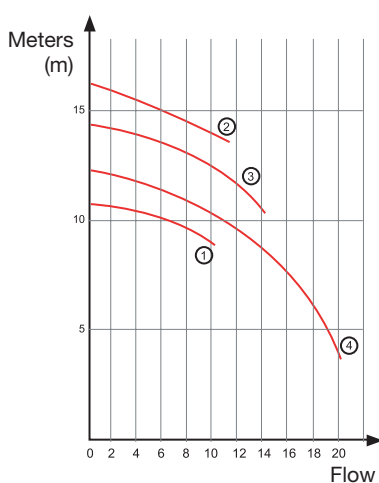
- Voltages and frequencies
- IP55 protection
- Stainless steel screws assembly
- Suction diameter (see dimensions)

COMPLY WITH STANDARDS :

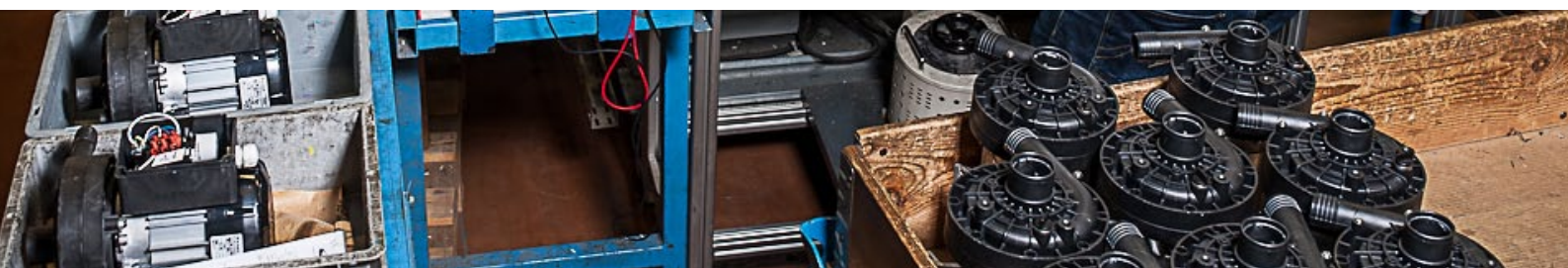
- EN 60335-1
- EN 60335-2-41



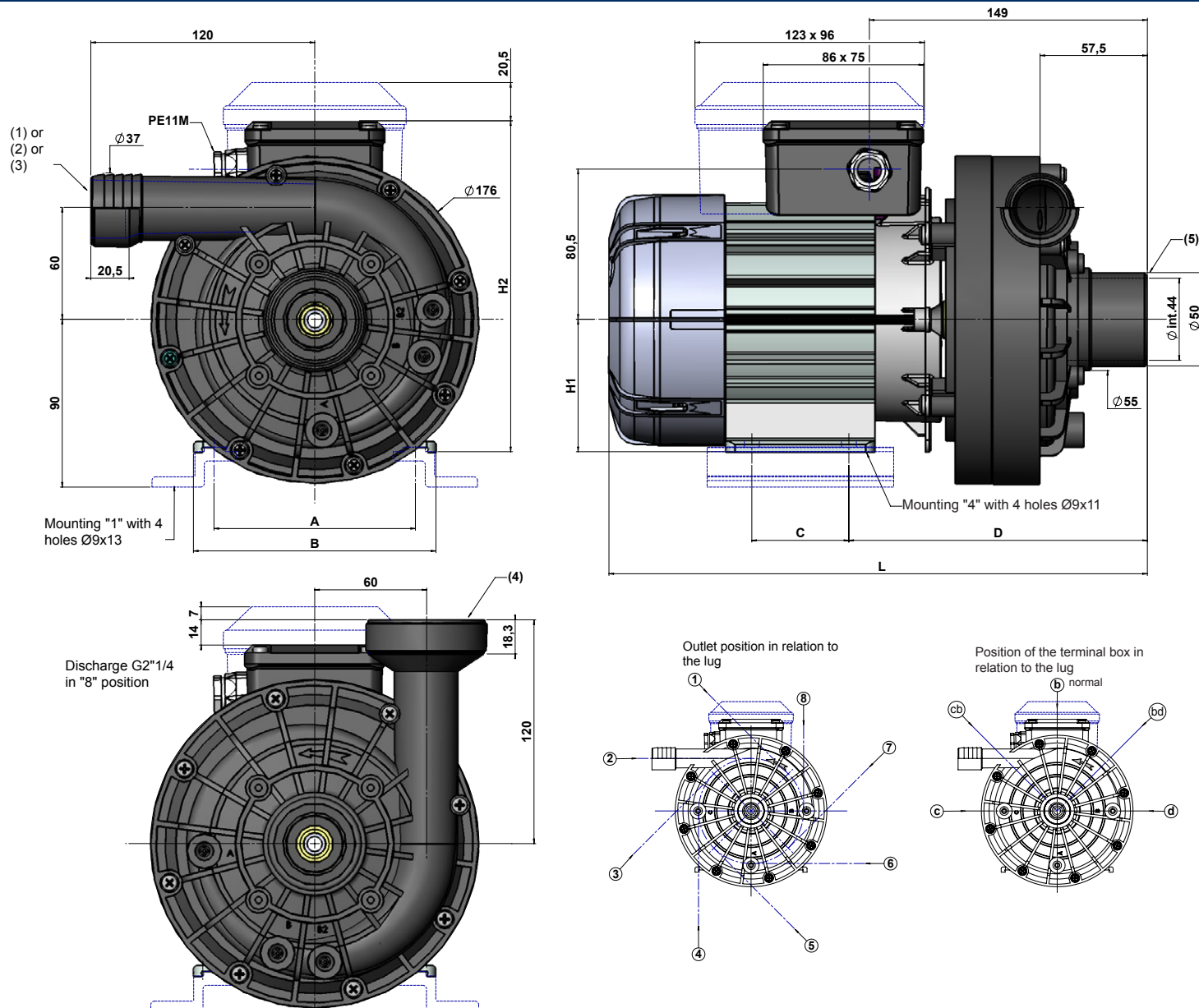
1	PB 1C 250 KB PB 3 250 KB	Impeller Ø 88
2		Impeller Ø 107
3	PB 1C 270 KB PB 3 270 KB	Impeller Ø 100
4		Impeller Ø 93
5	PB 1C 285 KB PB 3 285 KB	Impeller Ø 107
6		Impeller Ø 100
7	PB 1C 80 KB PB 3 80 KB	Impeller Ø 107



Curves	Designation	Single phase with capacitor 230V - 50Hz	Three phase 230/400V - 50Hz	Inlet power (W)	Outlet power (W)	Power supply 230V - A	Cos φ
1	PB 1C250 K4B	•		560	400	2,50	0,98
	PB 3250 K4B		•	560	400	1,85	0,75
2 - 3 - 4	PB 1C270 K4B	•		900	600	3,95	0,98
	PB 3270 K4B		•	875	600	2,95	0,74
5 - 6	PB 1C285 K4B	•		1150	810	5,10	0,98
	PB 3285 K4B		•	985	800	3,40	0,73
7	PB 1C80 K1B	•		1350	1100	6,10	0,96
	PB 80 K1B		•	1360	100	4,20	0,81



DIMENSIONS



Dimensions (mm)	L	A	B	C	D	H1	H2
Pumps							
PB 1C250 PB 3250	278	108	130	32	160,5	71	177,5
PB 1C270 PB 3270	288	108	130	52	160,5	71	177,5
PB 1C285 PB 3285	301	108	130	67	160,5	71	177,5
PB 1C80 PB 80	323	125	147	100	155,5	80	186,5

Ø Discharge :

- (1) - Ribed $\varnothing \text{ ext. } 37$ - $\varnothing \text{ int. } 29,3$ connection on smooth pipe
- (2) - On request : Threaded $\varnothing \text{ ext. } G1''\frac{1}{4}$ male - $\varnothing \text{ int. } 33$
- (3) - On request : Threaded $\varnothing \text{ ext. } G1''\frac{1}{2}$ male - $\varnothing \text{ int. } 37$
- (4) - On request : Threaded $\varnothing \text{ ext. } G2''\frac{1}{4}$ male - $\varnothing \text{ int. } 50$

Ø Suction :

- (5) - On request : Threaded $\varnothing \text{ int. } G1''\frac{1}{4}$ female



HIGH FLOW PUMP > 30M³/H
PUMP WITHOUT WATER RETENTION
ASYNCHRONOUS MOTOR

APPLICATIONS :

- Chemical products
- Food-processing industry
- Water treatment

TECHNICAL FEATURES :

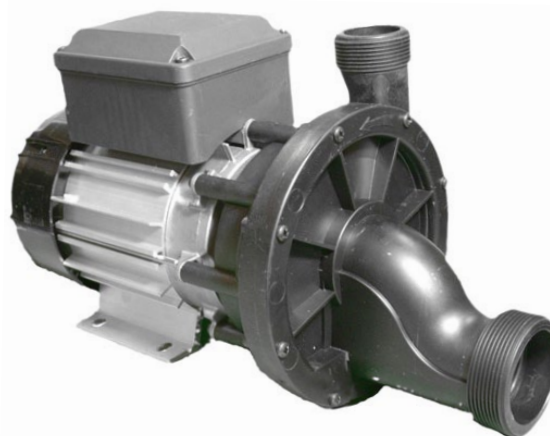
- Asynchronous motor
- Polyamide 6,6 impeller
- Pump body in polypropylene
- Nitril mechanical seal
- Deflector (motor protection in case of leak)
- 8 outlet positions
- 5 terminal box positions
- Single or three phase motor
- Class F insulation
- IP44 protection
- Operating temperature : -5°C to +90°C

OPTIONS AVAILABLE ON DEMAND :

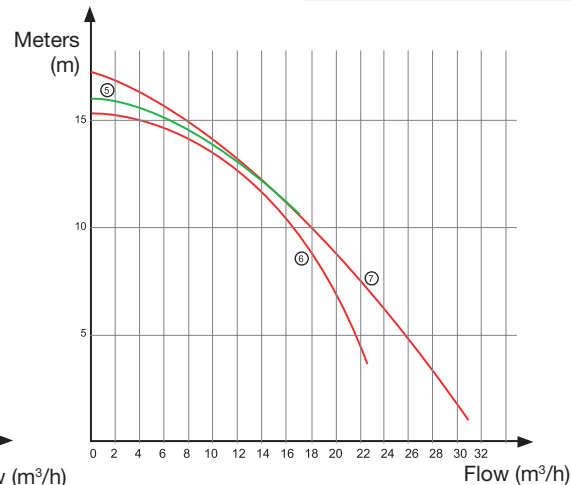
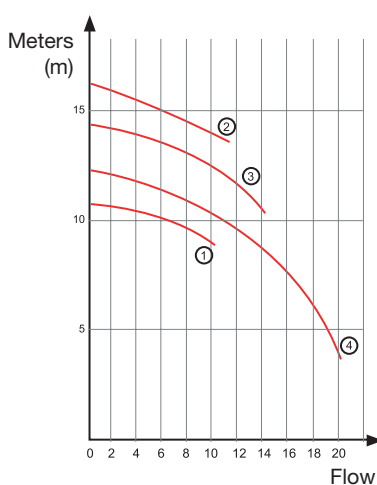
- Voltages and frequencies
- IP55 protection
- Stainless steel screws assembly
- Suction diameter (see dimensions)

COMPLY WITH STANDARDS :

- EN 60335-1
- EN 60335-2-41



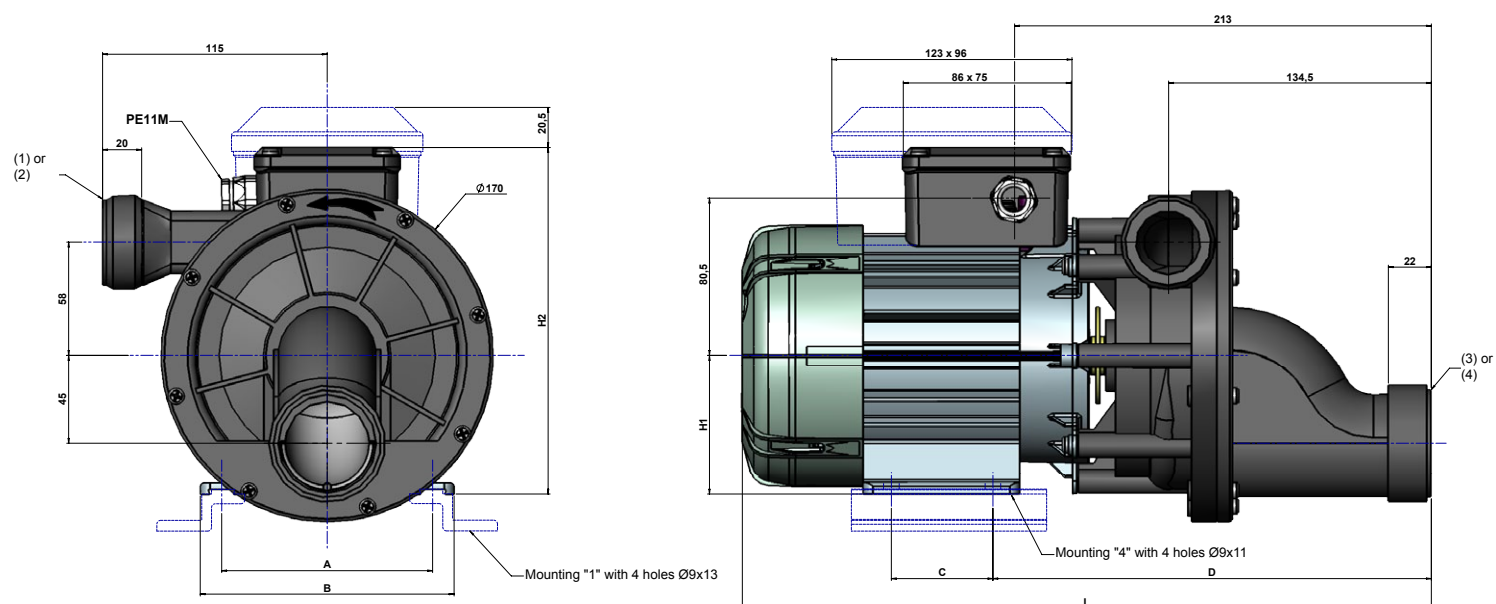
1	PB 1C 250 LB PB 3 250 LB	Impeller Ø 88
2		Impeller Ø 107
3	PB 1C 270 LB PB 3 270 LB	Impeller Ø 100
4		Impeller Ø 93
5	PB 1C 285 LB PB 3 285 LB	Impeller Ø 107
6		Impeller Ø 100
7	PB 1C 80 LB PB 3 80 LB	Impeller Ø 107



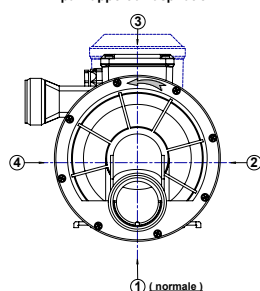
Curves	Designation	Single phase with capacitor 230V - 50Hz	Three phase 230/400V - 50Hz	Inlet power (W)	Outlet power (W)	Power supply 230V - A	Cos φ
1	PB 1C250 L4B	•		560	400	2,50	0,98
	PB 3250 L4B		•	560	400	1,85	0,75
2 - 3 - 4	PB 1C270 L4B	•		900	600	3,95	0,98
	PB 3270 L4B		•	875	600	2,95	0,74
5 - 6	PB 1C285 L4B	•		1150	810	5,10	0,98
	PB 3285 L4B		•	985	800	3,40	0,73
7	PB 1C80 L1B	•		1350	1100	6,10	0,96
	PB 80 L1B		•	1360	100	4,20	0,81



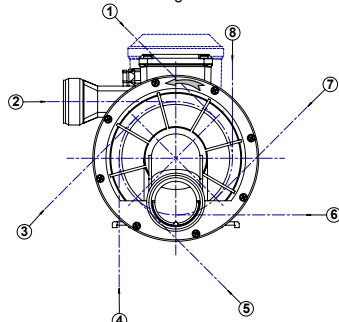
DIMENSIONS



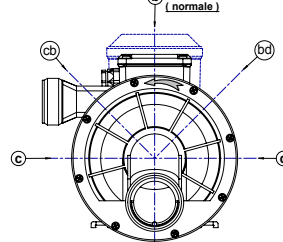
Position de la patte de fixation par rapport à l'aspiration



Outlet position in relation to the lug



Position of the terminal box in relation to the lug (normale)



Dimensions (mm)	L	A	B	C	D	H1	H2
Pump							
PB 1C250 PB 3250	278	108	130	32	160,5	71	177,5
PB 1C270 PB 3270	288	108	130	52	160,5	71	177,5
PB 1C285 PB 3285	301	108	130	67	160,5	71	177,5
PB 1C80 PB 80	323	125	147	100	155,5	80	186,5

Ø Discharge :

- (1) - Ø ext. G1½ male - Ø int. 37
- (2) - Ø ext. G2" male - Ø int. 50,2

Ø Suction :

- (3) - Ø ext. G2" male - Ø int. 50,2
- (4) - Ø ext. G2¼ male - Ø int. 50,2



Requirement :

- Remplacement ☐
- Creation ☐

Application :

Describe your application :

[illegible]

Power supply :

- Voltage :
230 V ☐ 230/400 V ☐
- Frequency : 50 Hz ☐ 60 Hz ☐
- Type : Single phase ☐ Three phase ☐

Caractéristiques produit véhiculé :

- Nature : _____
- Température : _____ °C

Caractéristiques de l'installation :

- Flow : _____ m³/h
- Height of discharge : _____ m

Options :

- Voltages and frequencies :
 - 230V / 50Hz ☐
 - 220V / 60 Hz ☐
 - 110V / 60 Hz ☐

Quantity per year : _____ pieces

Deadline :

Additional informations : _____

[illegible]



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www.sirem.fr - info@sirem.fr