

VERTICAL CENTRIFUGAL PUMPS

IM 80

MADE IN ITALY 

- **Product of Italian origin**
- Available in PP-PVDF
- Pump immersed in tank
- Removable motor even with pump installed
- No welded seams
- Operation also possible with heavily soiled fluids, with solids in suspension
- Max. flow rate 6 m³/h
- Max head 7,5 m
- Open impeller Ø 85 mm x H 9 mm (Standard impeller, for any special design with reference to the pumped fluid contact DEBEM's technical support)
- Simple replacement of wear bushing
- Extremely easy maintenance
- Also available without motor
- Low cost of spare parts
- Viscosity up to 500 CPS
- Column length: 250 / 500 / 800 mm (*other sizes on request*)
- Operating temperatures:
PP min. +3°C / max. +65°C
PVDF min. +3°C / max. +95°C
- Continuous operation: YES
- Warranty: 1 year, according to our general conditions of sale
- Spare parts: to identify the spare parts check the exploded views provided at the end of the operation and maintenance manual.

MODEL	Kw MOTOR	HP	MOTOR SIZE	RPM	MOTOR SPECIFICATIONS
IM80	0,37	0,5	B5	2900	THREE-PHASE 230/400 V-50/60 HZ 2-POLE (0.55 Kw single phase motor available) efficiency class IE1 protection rating IP55 - Ambient temperature -30°C + 45° C / ATEX motor available

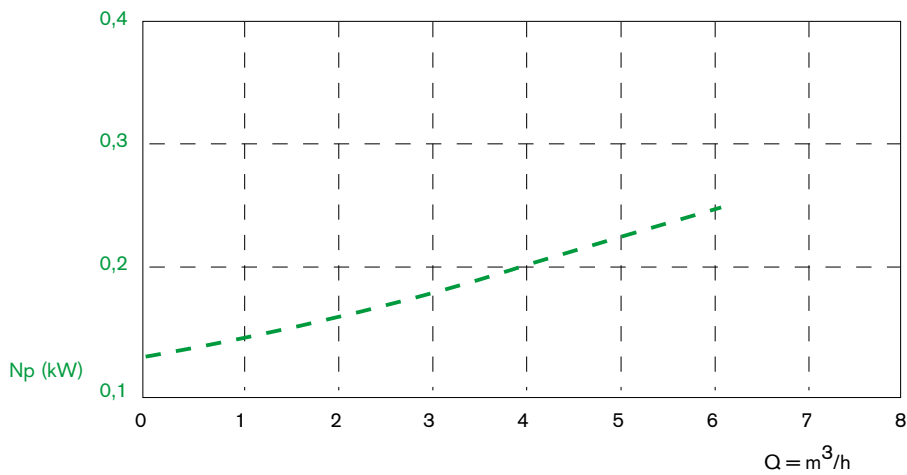
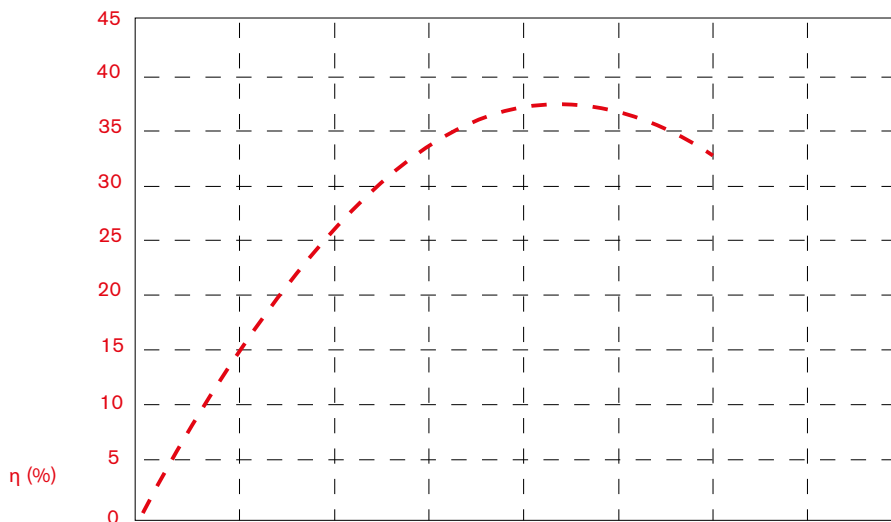
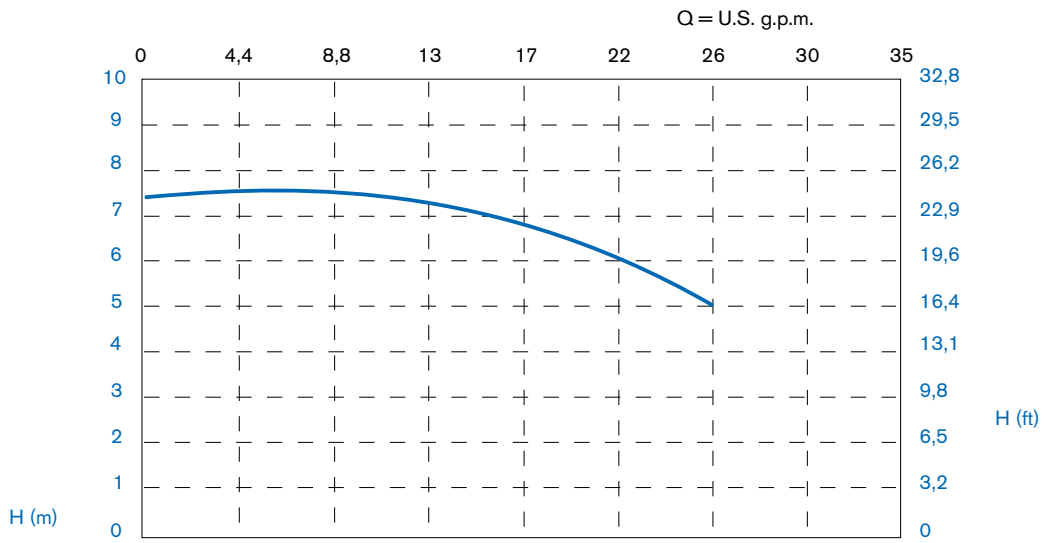
ATTENTION: technical data for standard motor, for any special design with reference to the pumped fluid contact DEBEM's technical support.



Intake connections G 1" 1/2 f (or DN 40 on request)
Delivery connections G 1" m (or DN 25 on request)
Max. flow rate 6 m³/h
Max. head 7,5 m
Construction materials PP - PVDF

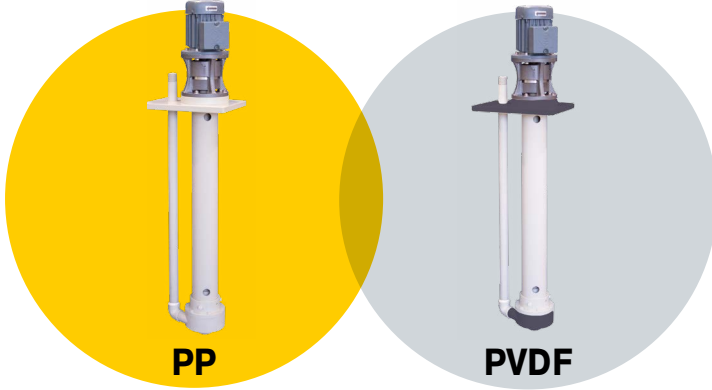
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DEBEM
MADE IN ITALY

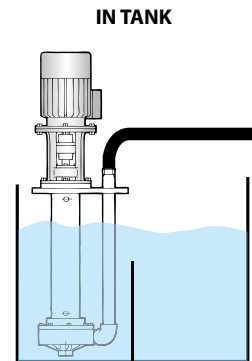


The curves and performance values refer to pumps spare delivery outlet and water at 20°C, 2 pole motor 50 Hz (2900rpm).

AVAILABLE MATERIALS

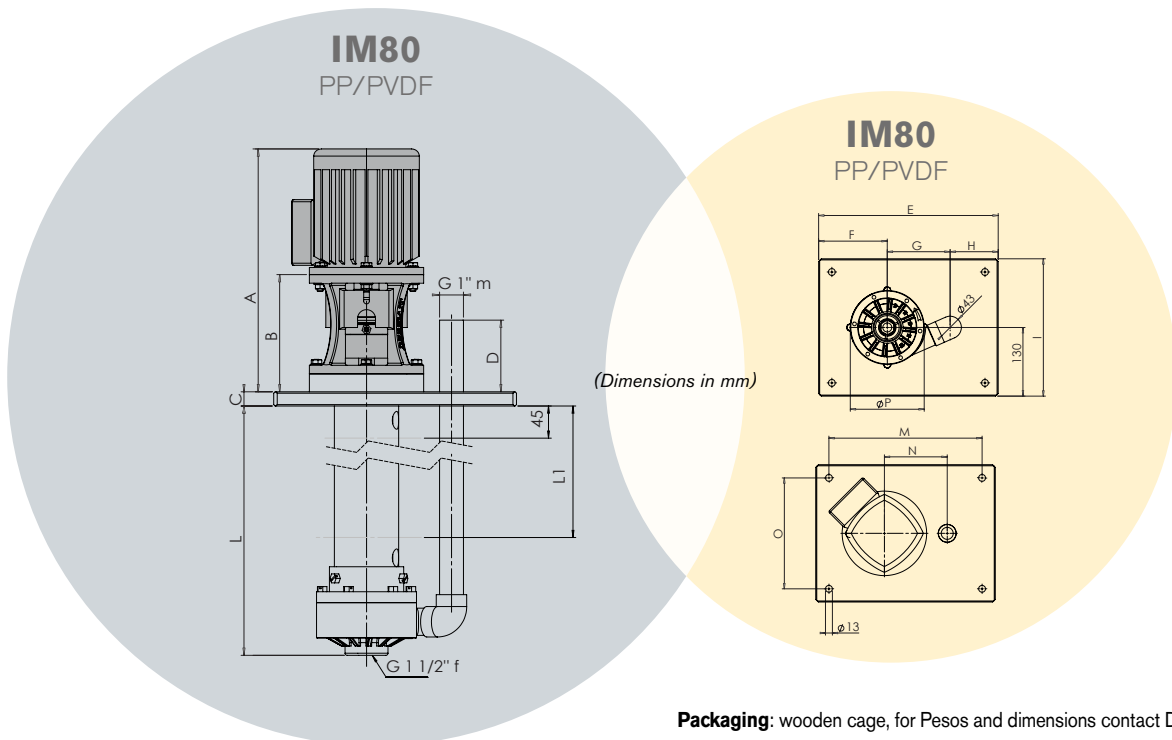


INSTALLATION



L column	Peso PP	Peso PVDF	L1 max.
250	6,5 Kg	7 Kg	100
500	7,5 Kg	8 Kg	350
800	10,5 Kg	11 Kg	650

(Dimensions in mm - Other sizes available on request)



Packaging: wooden cage, for Pesos and dimensions contact Debem staff.

MODEL	POWER	Ø PASSING SOLIDS	A	B	C	D	E	F	G	H	I	M	N	O	P	KG MOTOR
IM 80	0.37 Kw - 0.5 HP	7	340	164	20	100	340	130	119	91	260	290	119	210	Ø140	8

IM COMPOSITION CODE

ex. **IM80P-V-0800-N**

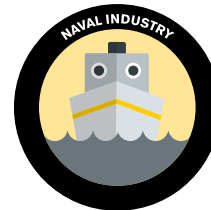
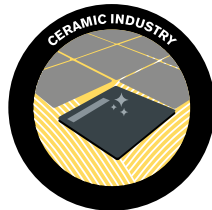
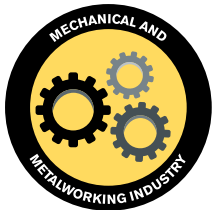
IM80 in PP, O-Ring Viton, column length 800 mm, three-phase motor

IM80	P -	V	0800	N
PUMP MODEL	PUMP MATERIAL	O-RING	COLUMN LENGTH	MOTOR
IM80 - IM 80	P - Polypropylene FC - PVDF+CF	D - EPDM V - Viton	0250 - 250 mm** 0500 - 500 mm 0800 - 800 mm	N* - Three-phase motor M - Single-phase motor A - ATEX motor

* Standard motor is the three-phase induction type with European voltage (2-pole) 50Hz

** only available for IM 80/90 pumps

PRODUCT APPLICATION



VERTICAL CENTRIFUGAL PUMPS

IM 90

MADE IN ITALY 

- **Product of Italian origin**
- Available in PP-PVDF
- Pump immersed in tank
- Removable motor even with pump installed
- No welded seams
- Operation also possible with heavily soiled fluids, with solids in suspension
- Max. flow rate 9 m³/h
- Max head 10,5 m
- Open impeller Ø 97 mm x H 12 mm (Standard impeller, for any special design with reference to the pumped fluid contact DEBEM's technical support)
- Simple replacement of wear bushing
- Extremely easy maintenance
- Also available without motor
- Low cost of spare parts
- Viscosity up to 500 CPS
- Column length: 250 / 500 / 800 mm (*other sizes on request*)
- Operating temperatures:
PP min. +3°C / max. +65°C
PVDF min. +3°C / max. +95°C
- Continuous operation: YES
- Warranty: 1 year, according to our general conditions of sale
- Spare parts: to identify the spare parts check the exploded views provided at the end of the operation and maintenance manual.

MODEL	Kw MOTOR	HP	MOTOR SIZE	RPM	MOTOR SPECIFICATIONS
IM90	0,55	0,75	B5	2900	THREE-PHASE 230/400 V-50/60 HZ 2-POLE (0.55 Kw single phase motor available) efficiency class IE1 protection rating IP55 - Ambient temperature -30°C + 45° C / ATEX motor available

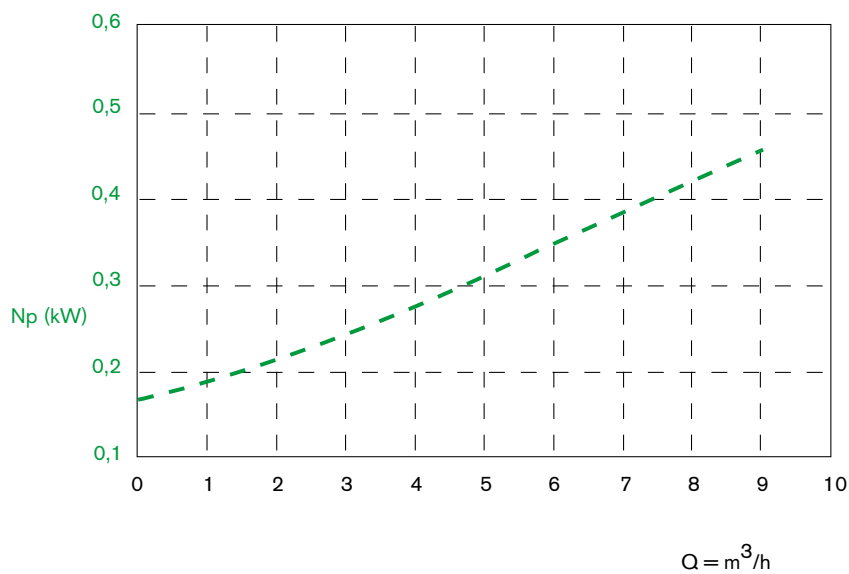
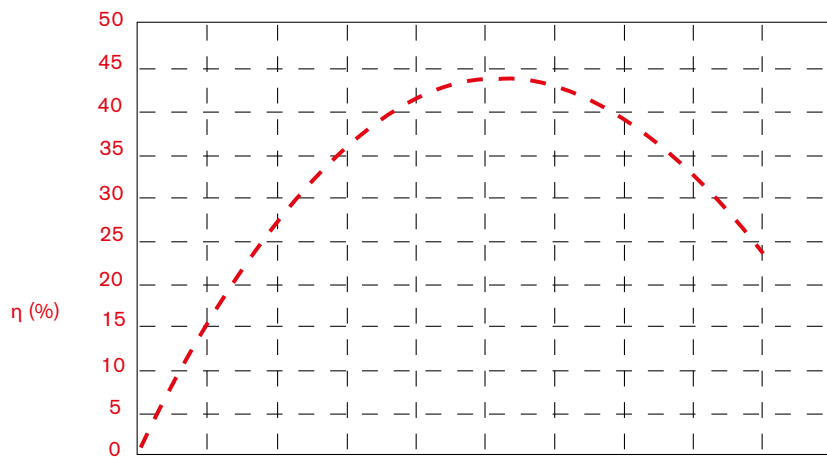
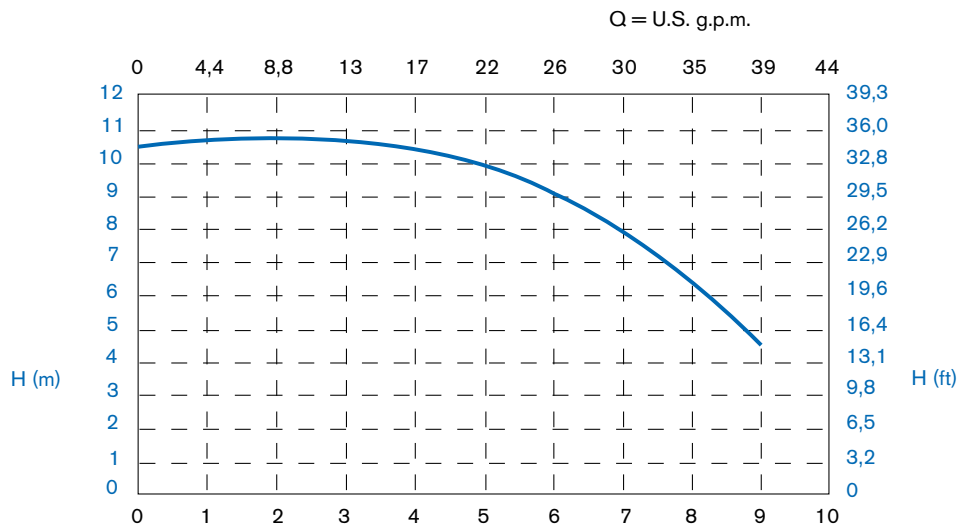
ATTENTION: technical data for standard motor, for any special design with reference to the pumped fluid contact DEBEM's technical support.



Intake connections G 1" 1/2 f (or DN 40 on request)
Delivery connections G 1" m (or DN 25 on request)
Max. flow rate 9 m³/h
Max head 10,5 m
Construction materials PP - PVDF

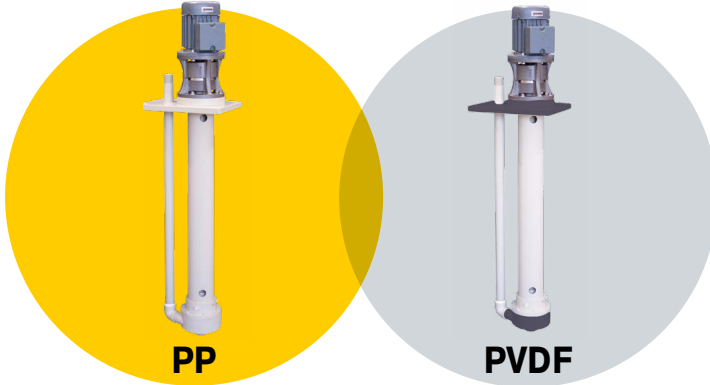
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MADE IN ITALY

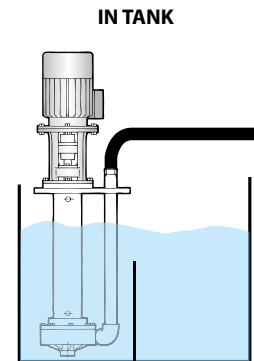


The curves and performance values refer to pumps spare delivery outlet and water at 20°C, 2 pole motor 50 Hz (2900rpm).

AVAILABLE MATERIALS

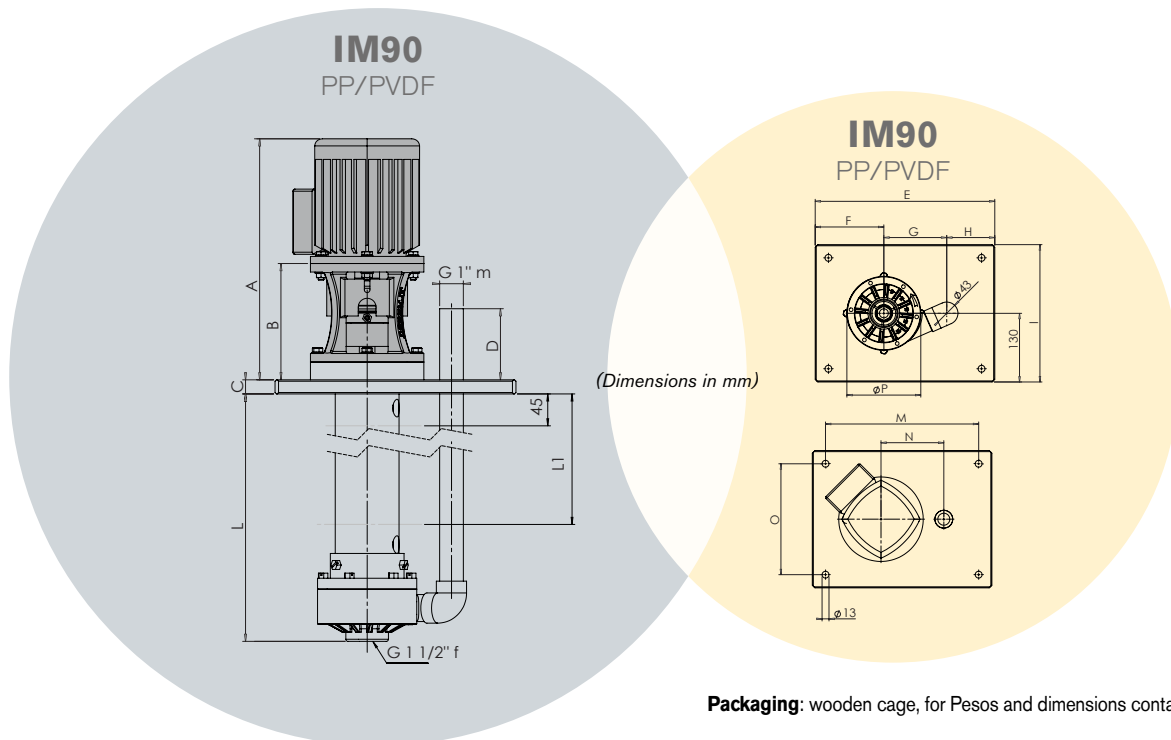


INSTALLATION



L column	Peso PP	Peso PVDF	L1 max.
250	6,5 Kg	7 Kg	100
500	7,5 Kg	8 Kg	350
800	10,5 Kg	11 Kg	650

(Dimensions in mm - Other sizes available on request)



Packaging: wooden cage, for Pesos and dimensions contact Debem staff.

MODEL	POWER	Ø PASSING SOLIDS	A	B	C	D	E	F	G	H	I	M	N	O	P	KG MOTOR
IM 90	0.55 Kw - 0.75 HP	10	340	164	20	100	340	130	119	91	260	290	119	210	Ø140	8

IM COMPOSITION CODE

ex. **IM90P-V-0800-N**

IM80 in PP, O-Ring Viton, column length 800 mm, three-phase motor

IM90	P -	V	0800	N
PUMP MODEL	PUMP MATERIAL	O-RING	COLUMN LENGTH	MOTOR
IM90 - IM 90	P - Polypropylene FC - PVDF+CF	D - EPDM V - Viton	0250 - 250 mm** 0500 - 500 mm 0800 - 800 mm	N* - Three-phase motor M - Single-phase motor A - ATEX motor

* Standard motor is the three-phase induction type with European voltage (2-pole) 50Hz

** only available for IM 80/90 pumps

PRODUCT APPLICATION



VERTICAL CENTRIFUGAL PUMPS

IM 95

MADE IN ITALY 

- **Product of Italian origin**
- Available in PP-PVDF
- Pump immersed in tank
- Removable motor even with pump installed
- No welded seams
- Operation also possible with heavily soiled fluids, with solids in suspension
- Max. flow rate 15 m³/h
- Max head 12 m
- Open impeller Ø 100 mm x H 7 mm (Standard impeller, for any special design with reference to the pumped fluid contact DEBEM's technical support)
- Simple replacement of wear bushing
- Extremely easy maintenance
- Also available without motor
- Low cost of spare parts
- Viscosity up to 500 CPS
- Column length: 500 / 800 / 1000 / 1250 mm (*other sizes on request*)
- Operating temperatures:
PP min. +3°C / max. +65°C
PVDF min. +3°C / max. +95°C
- Continuous operation: YES
- Warranty: 1 year, according to our general conditions of sale
- Spare parts: to identify the spare parts check the exploded views provided at the end of the operation and maintenance manual.

MODEL	Kw MOTOR	HP	MOTOR SIZE	RPM	MOTOR SPECIFICATIONS
IM95	0,75	1	B5	2900	THREE-PHASE 230/400 V-50/60 HZ 2-POLE (single phase motor available) efficiency class IE1 protection rating IP55 - Ambient temperature -30°C + 45° C / ATEX motor available

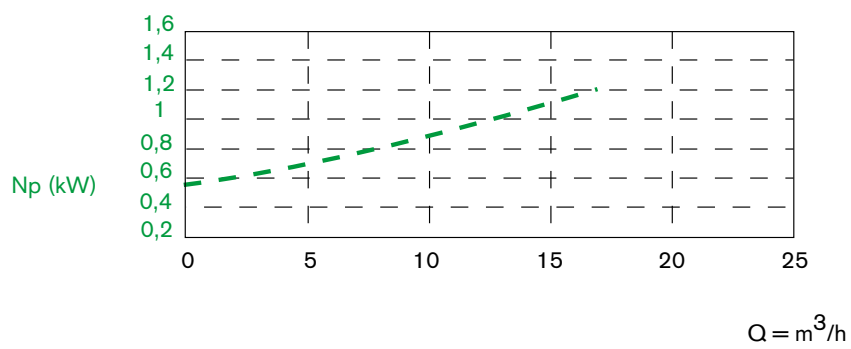
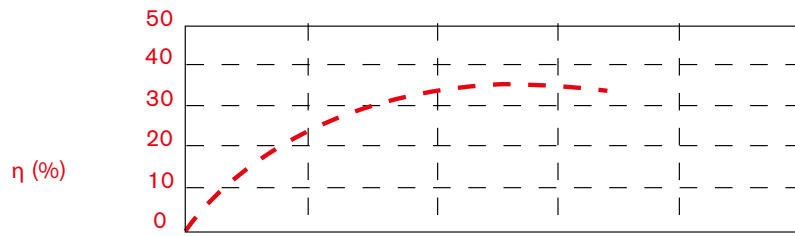
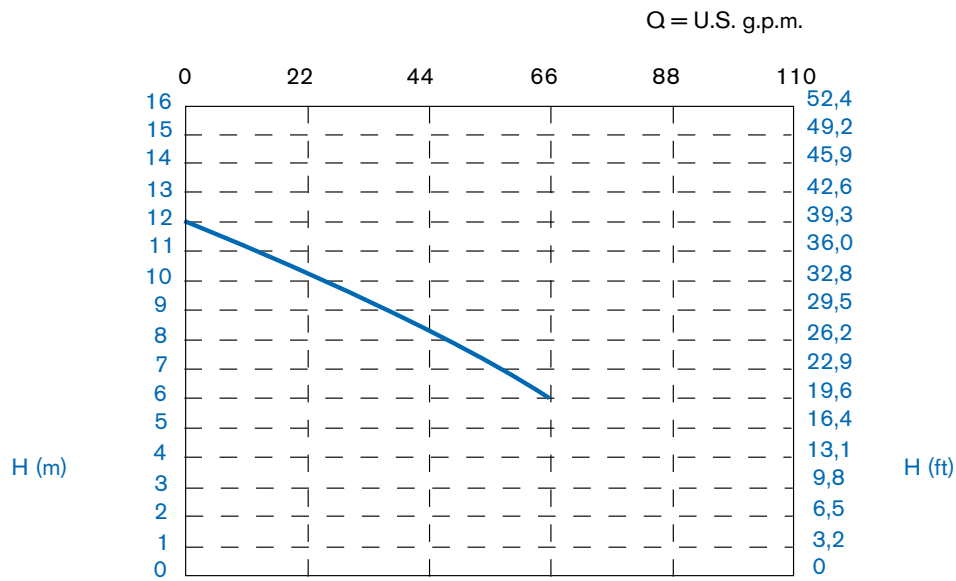
ATTENTION: technical data for standard motor, for any special design with reference to the pumped fluid contact DEBEM's technical support.



Intake connections G 2" m (or DN 50 on request)
Delivery connections G 1" 1/2 m (or DN 40 on request)
Max. flow rate 15 m³/h
Max head 12 m
Construction materials PP - PVDF

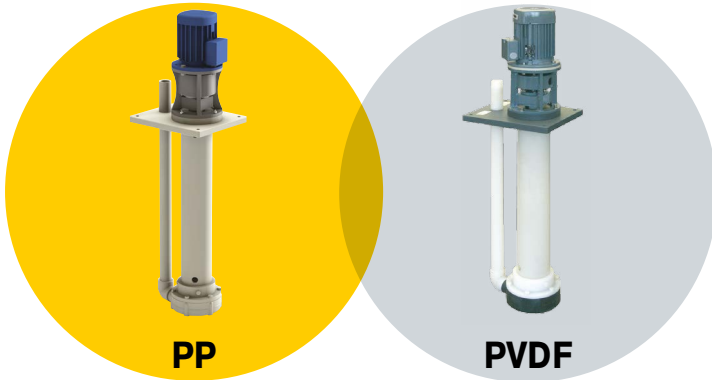
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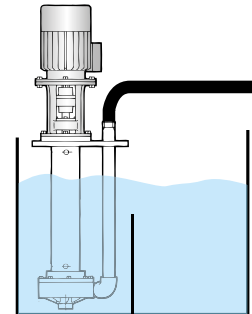
The curves and performance values refer to pumps spare delivery outlet and water at 20°C, 2 pole motor 50 Hz (2900rpm).

AVAILABLE MATERIALS



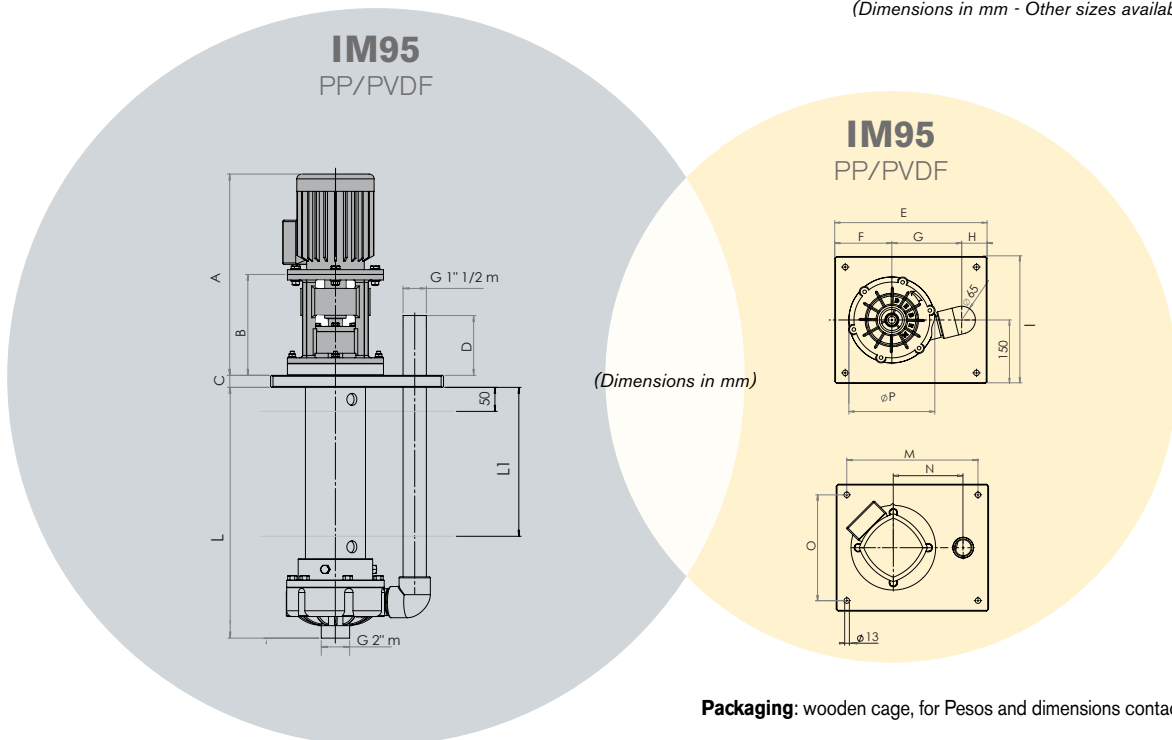
INSTALLATION

IN TANK



L column	Peso PP	Peso PVDF	L1 max.
500	15 Kg	16 Kg	300
800	19 Kg	20 Kg	600
1000	22 Kg	23 Kg	800
1250	24 Kg	25 Kg	1050

(Dimensions in mm - Other sizes available on request)



Packaging: wooden cage, for Pesos and dimensions contact Debem staff.

MODEL	POWER	Ø PASSING SOLIDS	A	B	C	D	E	F	G	H	I	M	N	O	P	KG MOTOR
IM 95	0.75 Kw - 1 HP	6	419	210	25	125	360	135	165	60	300	310	165	250	Ø203	12

IM COMPOSITION CODE

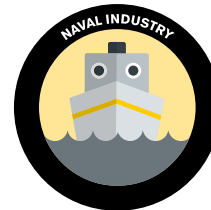
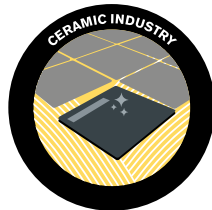
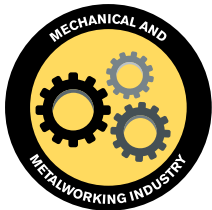
ex. **IM95P-V-0800-N**

IM95 in PP, O-Ring Viton, column length 800 mm, three-phase motor

IM95	P -	V	0800	N
PUMP MODEL	PUMP MATERIAL	O-RING	COLUMN LENGTH	MOTOR
IM95 - IM 95	P - Polypropylene FC - PVDF+CF	D - EPDM V - Viton	0500 - 500 mm 0800 - 800 mm 1000 - 1000 mm 1250 - 1250 mm	N* - Three-phase motor M - Single-phase motor A - ATEX motor

*Standard motor is the three-phase induction type with European voltage (2-pole) 50Hz

PRODUCT APPLICATION



VERTICAL CENTRIFUGAL PUMPS

IM 110

MADE IN ITALY 

- **Product of Italian origin**
- Available in PP-PVDF
- Pump immersed in tank
- Removable motor even with pump installed
- No welded seams
- Operation also possible with heavily soiled fluids, with solids in suspension
- Max. flow rate 20 m³/h
- Max head 15 m
- Open impeller Ø 120 mm x H 8 mm (Standard impeller, for any special design with reference to the pumped fluid contact DEBEM's technical support)
- Simple replacement of wear bushing
- Extremely easy maintenance
- Also available without motor
- Low cost of spare parts
- Viscosity up to 500 CPS
- Column length: 500 / 800 / 1000 / 1250 mm (*other sizes on request*)
- Operating temperatures:
PP min. +3°C / max. +65°C
PVDF min. +3°C / max. +95°C
- Continuous operation: YES
- Warranty: 1 year, according to our general conditions of sale
- Spare parts: to identify the spare parts check the exploded views provided at the end of the operation and maintenance manual.

MODEL	Kw MOTOR	HP	MOTOR SIZE	RPM	MOTOR SPECIFICATIONS
IM110	1,1	1,5	B5	2900	THREE-PHASE 230/400 V-50/60 HZ 2-POLE (single phase motor available) efficiency class IE1 protection rating IP55 - Ambient temperature -30°C + 45° C / ATEX motor available

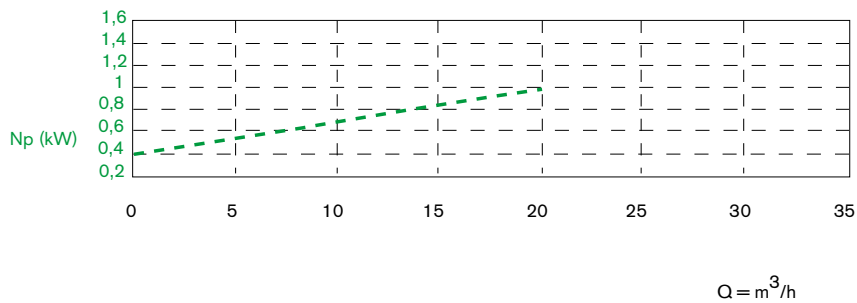
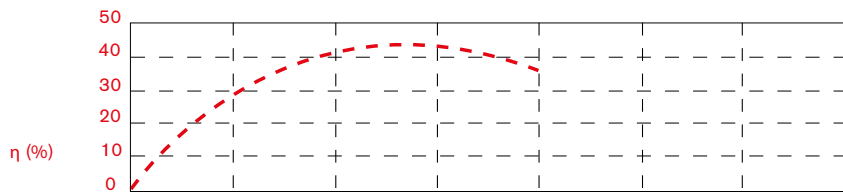
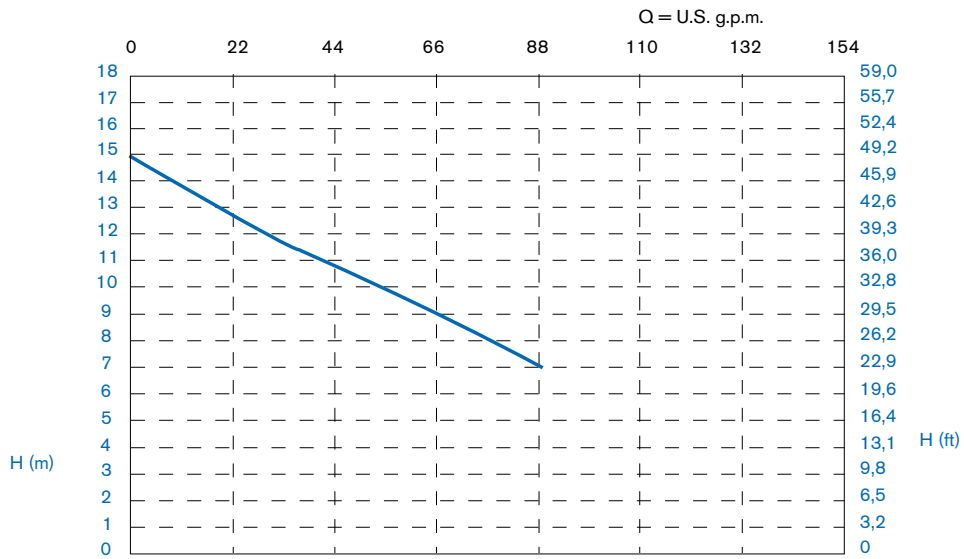
ATTENTION: technical data for standard motor, for any special design with reference to the pumped fluid contact DEBEM's technical support.



Intake connections G 2" m (or DN 50 on request)
Delivery connections G 1" 1/2 m (or DN 40 on request)
Max. flow rate 20 m³/h
Max head 15 m
Construction materials PP - PVDF

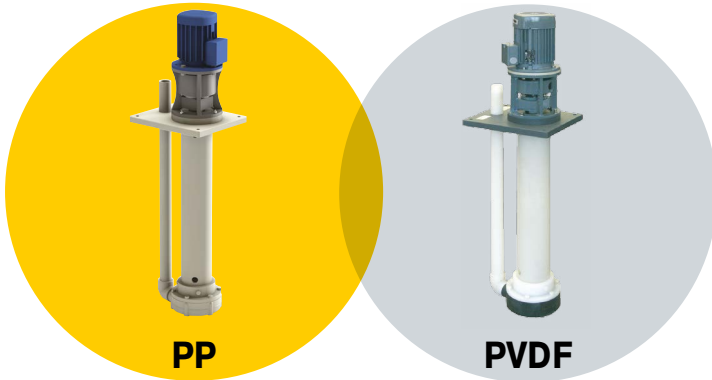
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MADE IN ITALY

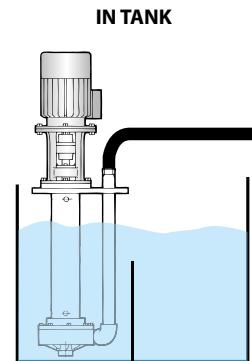


The curves and performance values refer to pumps spare delivery outlet and water at 20°C, 2 pole motor 50 Hz (2900rpm).

AVAILABLE MATERIALS

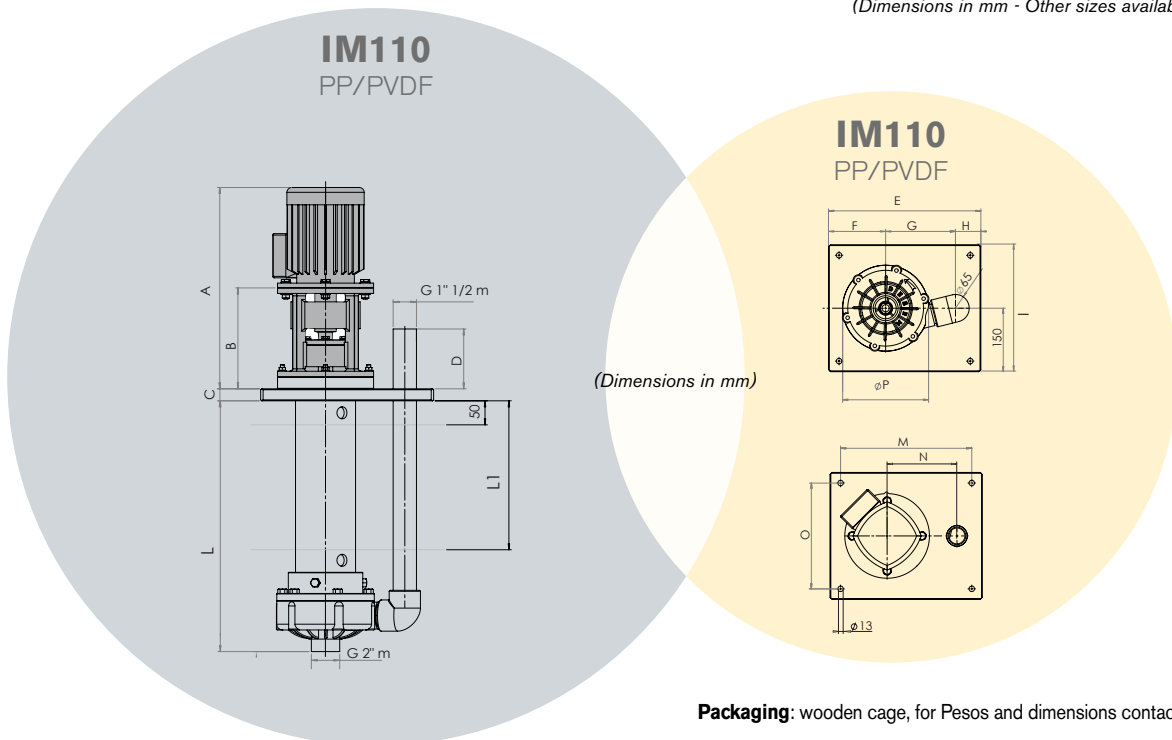


INSTALLATION



L column	Peso PP	Peso PVDF	L1 max.
500	15 Kg	16 Kg	300
800	19 Kg	20 Kg	600
1000	22 Kg	23 Kg	800
1250	24 Kg	25 Kg	1050

(Dimensions in mm - Other sizes available on request)



Packaging: wooden cage, for Pesos and dimensions contact Debem staff.

MODEL	POWER	Ø PASSING SOLIDS	A	B	C	D	E	F	G	H	I	M	N	O	P	KG MOTOR
IM 110	1.1 Kw - 1.5 HP	6	419	210	25	125	360	135	165	60	300	310	165	250	Ø203	13

IM COMPOSITION CODE

ex. **IM110P-V-0800-N**

IM110 in PP, O-Ring Viton, column length 800 mm, three-phase motor

IM110	P -	V	0800	N
PUMP MODEL	PUMP MATERIAL	O-RING	COLUMN LENGTH	MOTOR
IM110 - IM 110	P - Polypropylene FC - PVDF+CF	D - EPDM V - Viton	0500 - 500 mm 0800 - 800 mm 1000 - 1000 mm 1250 - 1250 mm	N* - Three-phase motor M - Single-phase motor A - ATEX motor

*Standard motor is the three-phase induction type with European voltage (2-pole) 50Hz

PRODUCT APPLICATION



VERTICAL CENTRIFUGAL PUMPS

IM 120

MADE IN ITALY 

- **Product of Italian origin**
- Available in PP-PVDF
- Pump immersed in tank
- Removable motor even with pump installed
- No welded seams
- Operation also possible with heavily soiled fluids, with solids in suspension
- Max. flow rate 25 m³/h
- Max head 15,5 m
- Open impeller Ø 125 mm x H 8 mm (Standard impeller, for any special design with reference to the pumped fluid contact DEBEM's technical support)
- Simple replacement of wear bushing
- Extremely easy maintenance
- Also available without motor
- Low cost of spare parts
- Viscosity up to 500 CPS
- Column length: 500 / 800 / 1000 / 1250 mm (*other sizes on request*)
- Operating temperatures:
PP min. +3°C / max. +65°C
PVDF min. +3°C / max. +95°C
- Continuous operation: YES
- Warranty: 1 year, according to our general conditions of sale
- Spare parts: to identify the spare parts check the exploded views provided at the end of the operation and maintenance manual.

MODEL	Kw MOTOR	HP	MOTOR SIZE	RPM	MOTOR SPECIFICATIONS
IM120	1,5	2	B5	2900	THREE-PHASE 230/400 V-50/60 HZ 2-POLE (single phase motor available) efficiency class IE1 protection rating IP55 - Ambient temperature -30°C + 45° C / ATEX motor available

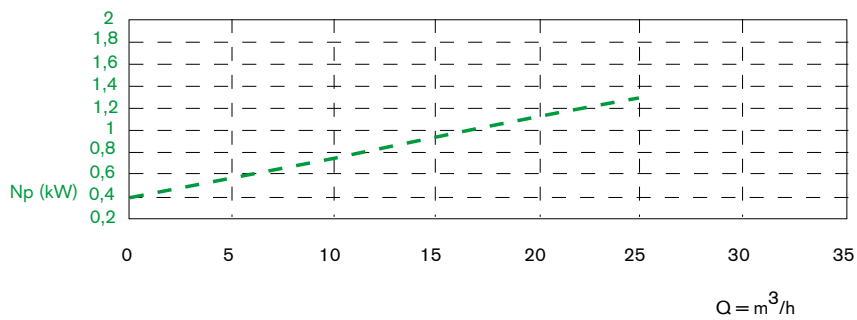
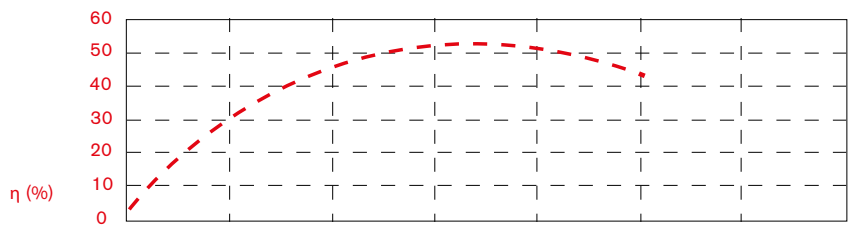
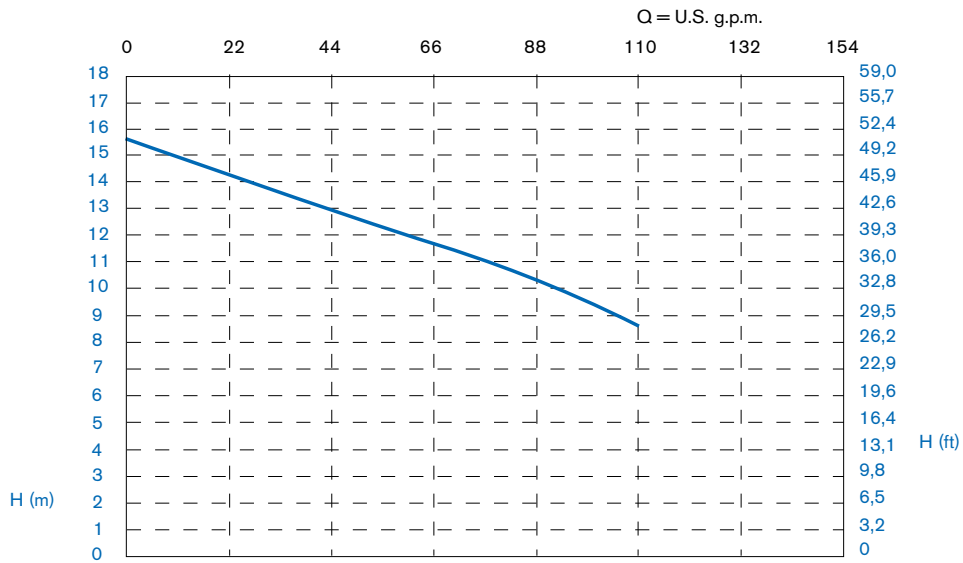
ATTENTION: technical data for standard motor, for any special design with reference to the pumped fluid contact DEBEM's technical support.



Intake connections G 2" m (or DN 50 on request)
Delivery connections G 1" 1/2 m (or DN 40 on request)
Max. flow rate 25 m³/h
Max head 15,5 m
Construction materials PP - PVDF

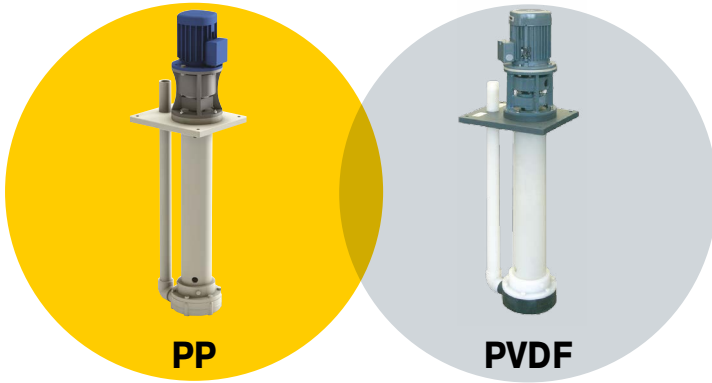
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DEBEM
MADE IN ITALY

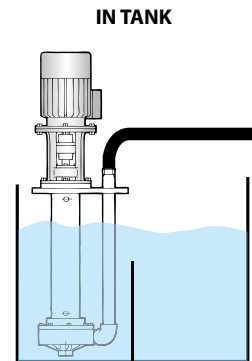


The curves and performance values refer to pumps spare delivery outlet and water at 20°C, 2 pole motor 50 Hz (2900rpm).

AVAILABLE MATERIALS

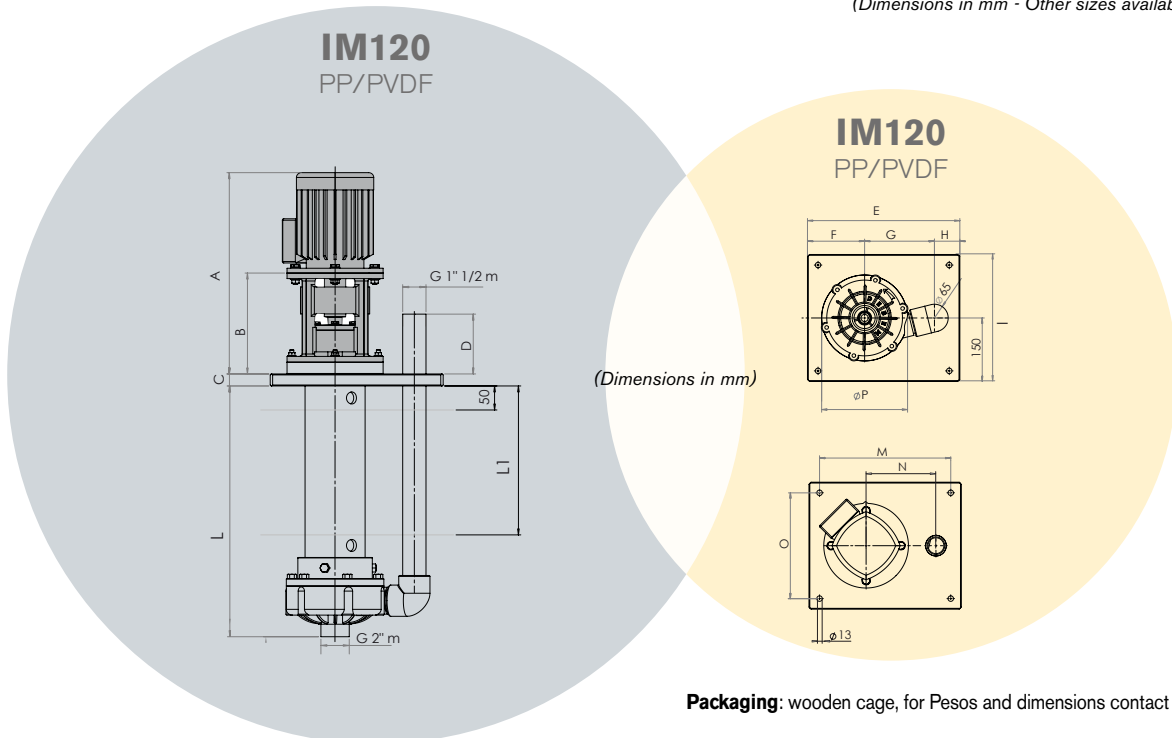


INSTALLATION



L column	Peso PP	Peso PVDF	L1 max.
500	15 Kg	16 Kg	300
800	19 Kg	20 Kg	600
1000	22 Kg	23 Kg	800
1250	24 Kg	25 Kg	1050

(Dimensions in mm - Other sizes available on request)



Packaging: wooden cage, for Pesos and dimensions contact Debem staff.

MODEL	POWER	Ø PASSING SOLIDS	A	B	C	D	E	F	G	H	I	M	N	O	P	KG MOTOR
IM 120	1.5 Kw - 2 HP	6	446	220	25	125	360	135	165	60	300	310	165	250	Ø203	17

IM COMPOSITION CODE

ex. **IM120P-V-0800-N**

IM120 in PP, O-Ring Viton, column length 800 mm, three-phase motor

IM120	P -	V	0800	N
PUMP MODEL	PUMP MATERIAL	O-RING	COLUMN LENGTH	MOTOR
IM120 - IM 120	P - Polypropylene FC - PVDF+CF	D - EPDM V - Viton	0500 - 500 mm 0800 - 800 mm 1000 - 1000 mm 1250 - 1250 mm	N* - Three-phase motor M - Single-phase motor A - ATEX motor

*Standard motor is the three-phase induction type with European voltage (2-pole) 50Hz

PRODUCT APPLICATION



VERTICAL CENTRIFUGAL PUMPS

IM 130

MADE IN ITALY 

- **Product of Italian origin**
- Available in PP-PVDF
- Pump immersed in tank
- Removable motor even with pump installed
- No welded seams
- Operation also possible with heavily soiled fluids, with solids in suspension
- Max. flow rate 30 m³/h
- Max head 20 m
- Open impeller Ø 130 mm x H 8 mm (Standard impeller, for any special design with reference to the pumped fluid contact DEBEM's technical support)
- Simple replacement of wear bushing
- Extremely easy maintenance
- Also available without motor
- Low cost of spare parts
- Viscosity up to 500 CPS
- Column length: 500 / 800 / 1000 / 1250 mm (*other sizes on request*)
- **OPERATING TEMPERATURES:**
PP min. +3°C / max. +65°C
PVDF min. +3°C / max. +95°C
- Continuous operation: YES
- Warranty: 1 year, according to our general conditions of sale
- Spare parts: to identify the spare parts check the exploded views provided at the end of the operation and maintenance manual.

MODEL	Kw MOTOR	HP	MOTOR SIZE	RPM	MOTOR SPECIFICATIONS
IM130	2,2	3	B5	2900	THREE-PHASE 230/400 V-50/60 HZ 2-POLE (single phase motor available) efficiency class IE1 protection rating IP55 - Ambient temperature -30°C + 45° C / ATEX motor available

ATTENTION: technical data for standard motor, for any special design with reference to the pumped fluid contact DEBEM's technical support.

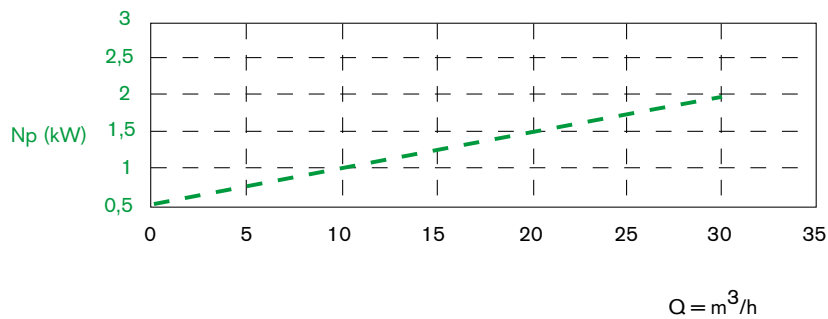
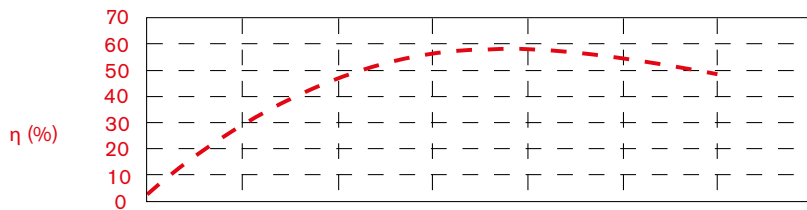
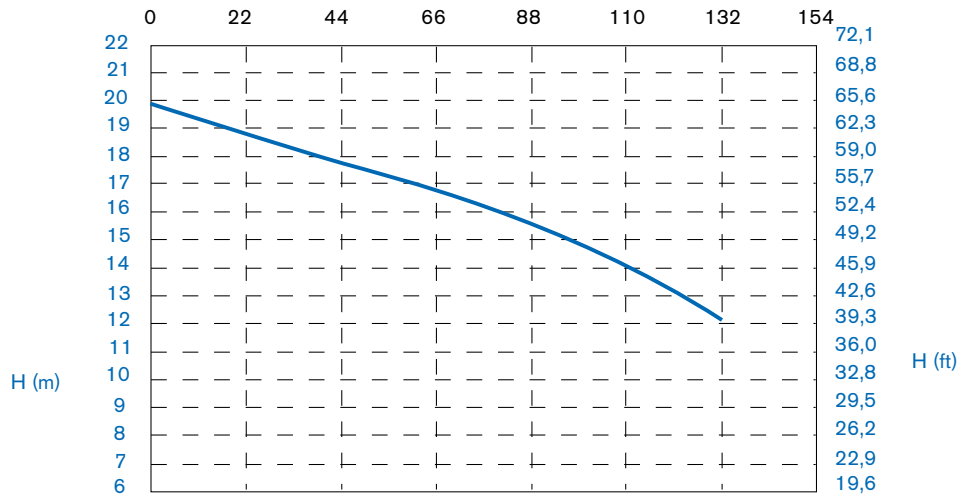


Intake connections G 2" m (or DN 50 on request)
Delivery connections G 1" 1/2 m (or DN 40 on request)
Max. flow rate 30 m³/h
Max head 20 m
Construction materials PP - PVDF

CE

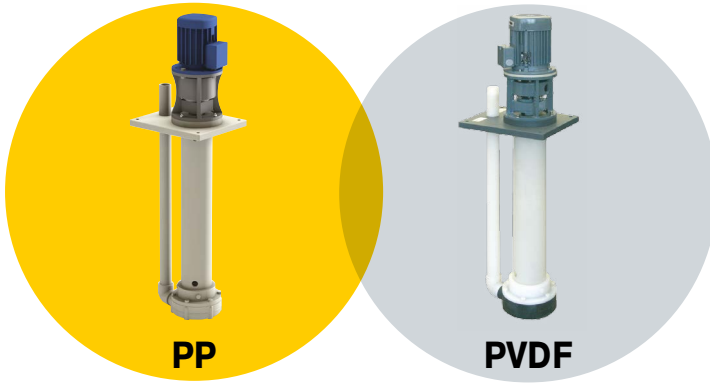
DEBEM
MADE IN ITALY

Q = U.S. g.p.m.

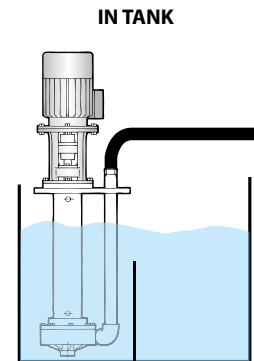


The curves and performance values refer to pumps spare delivery outlet and water at 20°C, 2 pole motor 50 Hz (2900rpm).

AVAILABLE MATERIALS

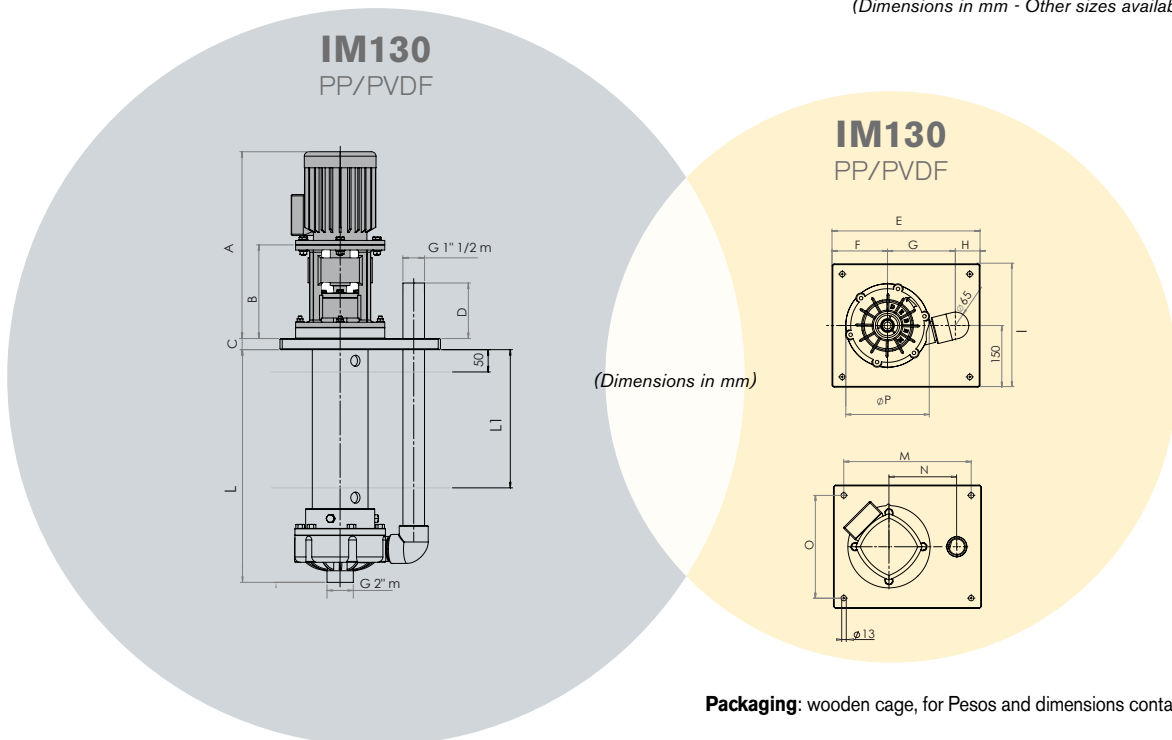


INSTALLATION



L column	Peso PP	Peso PVDF	L1 max.
500	15 Kg	16 Kg	300
800	19 Kg	20 Kg	600
1000	22 Kg	23 Kg	800
1250	24 Kg	25 Kg	1050

(Dimensions in mm - Other sizes available on request)



Packaging: wooden cage, for Pesos and dimensions contact Debem staff.

MODEL	POWER	Ø PASSING SOLIDS	A	B	C	D	E	F	G	H	I	M	N	O	P	KG MOTOR
IM 130	2.2 Kw - 3 HP	6	467	220	25	125	360	135	165	60	300	310	165	250	Ø203	20

IM COMPOSITION CODE

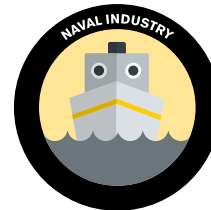
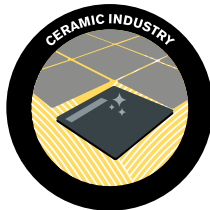
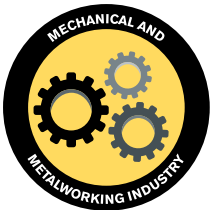
ex. **IM130P-V-0800-N**

IM130 in PP, O-Ring Viton, column length 800 mm, three-phase motor

IM130	P -	V	0800	N
PUMP MODEL	PUMP MATERIAL	O-RING	COLUMN LENGTH	MOTOR
IM130 - IM 130	P - Polypropylene FC - PVDF+CF	D - EPDM V - Viton	0500 - 500 mm 0800 - 800 mm 1000 - 1000 mm 1250 - 1250 mm	N* - Three-phase motor M - Single-phase motor A - ATEX motor

* Standard motor is the three-phase induction type with European voltage (2-pole) 50Hz

PRODUCT APPLICATION



VERTICAL CENTRIFUGAL PUMPS

IM 140

MADE IN ITALY 

- **Product of Italian origin**
- Available in PP-PVDF
- Pump immersed in tank
- Removable motor even with pump installed
- No welded seams
- Operation also possible with heavily soiled fluids, with solids in suspension
- Max. flow rate 40 m³/h
- Max head 21 m
- Open impeller Ø 130 mm x H 14 mm (Standard impeller, for any special design with reference to the pumped fluid contact DEBEM's technical support)
- Simple replacement of wear bushing
- Extremely easy maintenance
- Also available without motor
- Low cost of spare parts
- Viscosity up to 500 CPS
- Column length: 500 / 800 / 1000 / 1250 mm (*other sizes on request*)
- Operating temperatures:
PP min. +3°C / max. +65°C
PVDF min. +3°C / max. +95°C
- Continuous operation: YES
- Warranty: 1 year, according to our general conditions of sale
- Spare parts: to identify the spare parts check the exploded views provided at the end of the operation and maintenance manual.

MODEL	Kw MOTOR	HP	MOTOR SIZE	RPM	MOTOR SPECIFICATIONS
IM140	3	4	B5	2900	THREE-PHASE 230/400 V-50/60 HZ 2-POLE efficiency class IE1 protection rating IP55 - Ambient temperature -30°C + 45°C / ATEX motor available

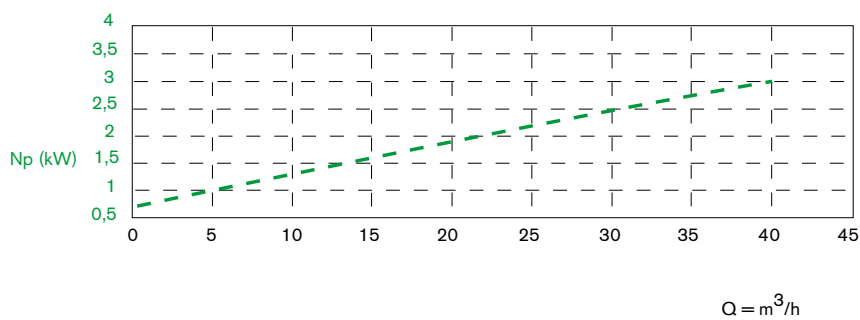
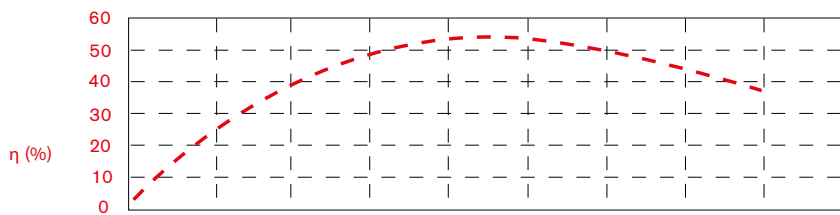
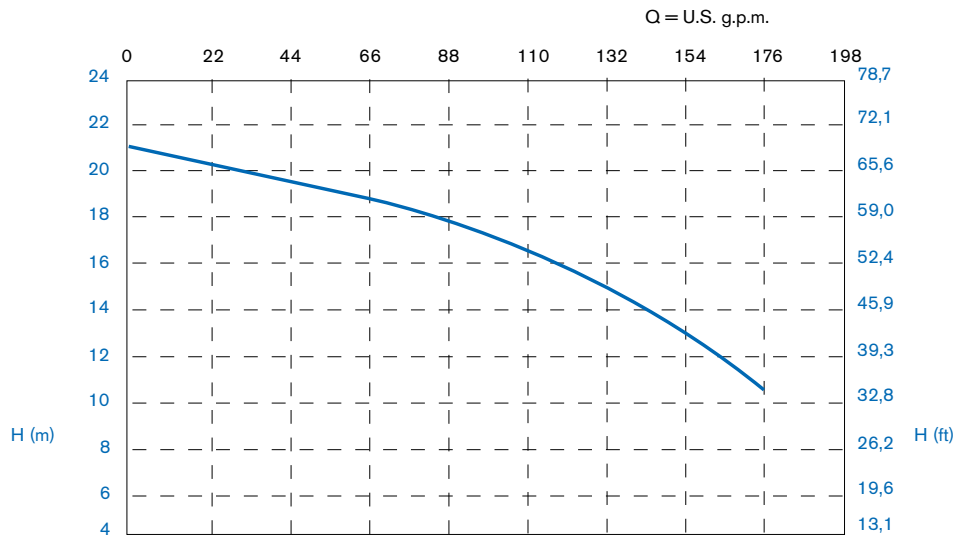
ATTENTION: technical data for standard motor, for any special design with reference to the pumped fluid contact DEBEM's technical support.



Intake connections G 2" m (or DN 50 on request)
Delivery connections G 1" 1/2 m (or DN 40 on request)
Max. flow rate 40 m³/h
Max head 21 m
Construction materials PP - PVDF

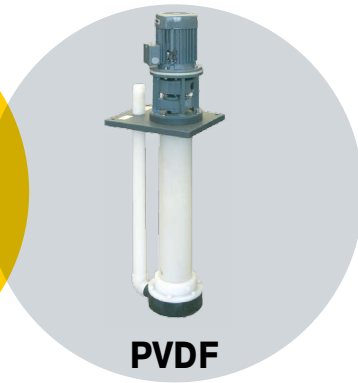
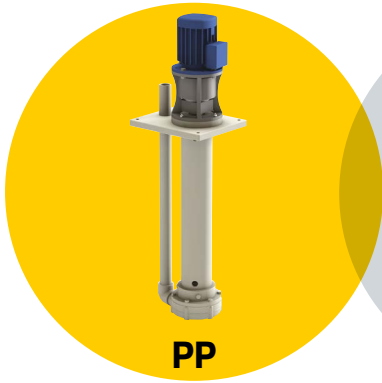
CE

DEBEM
MADE IN ITALY



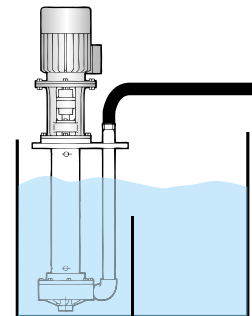
The curves and performance values refer to pumps spare delivery outlet and water at 20°C, 2 pole motor 50 Hz (2900rpm).

AVAILABLE MATERIALS



INSTALLATION

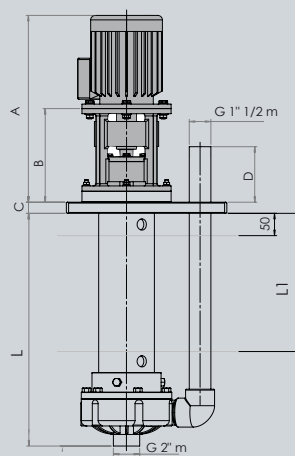
IN TANK



L column	Peso PP	Peso PVDF	L1 max.
500	15 Kg	16 Kg	300
800	19 Kg	20 Kg	600
1000	22 Kg	23 Kg	800
1250	24 Kg	25 Kg	1050

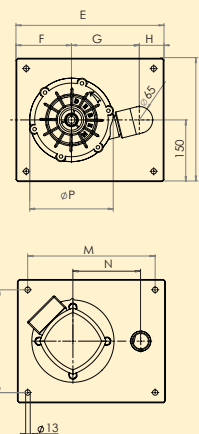
(Dimensions in mm - Other sizes available on request)

IM140 PP/PVDF



(Dimensions in mm)

IM140 PP/PVDF



Packaging: wooden cage, for Pesos and dimensions contact Debem staff.

MODEL	POWER	Ø PASSING SOLIDS	A	B	C	D	E	F	G	H	I	M	N	O	P	KG MOTOR
IM 140	3 Kw - 4 HP	12	507	235	25	120	360	135	165	60	300	310	165	250	Ø203	34

IM COMPOSITION CODE

ex. **IM140P-V-0800-N**

IM140 in PP, O-Ring Viton, column length 800 mm, three-phase motor

IM140	P -	V	0800	N
PUMP MODEL	PUMP MATERIAL	O-RING	COLUMN LENGTH	MOTOR
IM140 - IM 140	P - Polypropylene FC - PVDF+CF	D - EPDM V - Viton	0500 - 500 mm 0800 - 800 mm 1000 - 1000 mm 1250 - 1250 mm	N* - Three-phase motor M - Single-phase motor A - ATEX motor

* Standard motor is the three-phase induction type with European voltage (2-pole) 50Hz

PRODUCT APPLICATION



VERTICAL CENTRIFUGAL PUMPS

IM 150

MADE IN ITALY 

- **Product of Italian origin**
- Available in PP-PVDF
- Pump immersed in tank
- Removable motor even with pump installed
- No welded seams
- Operation also possible with heavily soiled fluids, with solids in suspension
- Max. flow rate 42 m³/h
- Max head 24 m
- Open impeller Ø 160 mm x H 4 mm (Standard impeller, for any special design with reference to the pumped fluid contact DEBEM's technical support), 10 gradi
- Simple replacement of wear bushing
- Extremely easy maintenance
- Also available without motor
- Low cost of spare parts
- Viscosity up to 500 CPS
- Column length: 500 / 800 / 1000 / 1250 mm (*other sizes on request*)
- Operating temperatures:
PP min. +3°C / max. +65°C
PVDF min. +3°C / max. +95°C
- Continuous operation: YES
- Warranty: 1 year, according to our general conditions of sale
- Spare parts: to identify the spare parts check the exploded views provided at the end of the operation and maintenance manual.

MODEL	Kw MOTOR	HP	MOTOR SIZE	RPM	MOTOR SPECIFICATIONS
IM150	4	5,5	B5	2900	THREE-PHASE 230/400 V-50/60 HZ 2-POLE efficiency class IE2 protection rating IP55 - Ambient temperature -30°C + 45° C / ATEX motor available

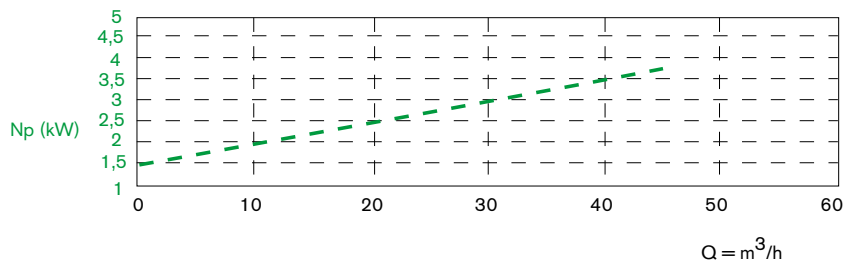
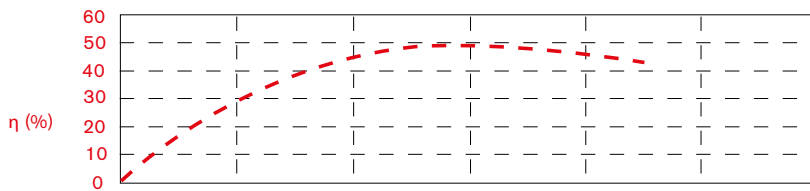
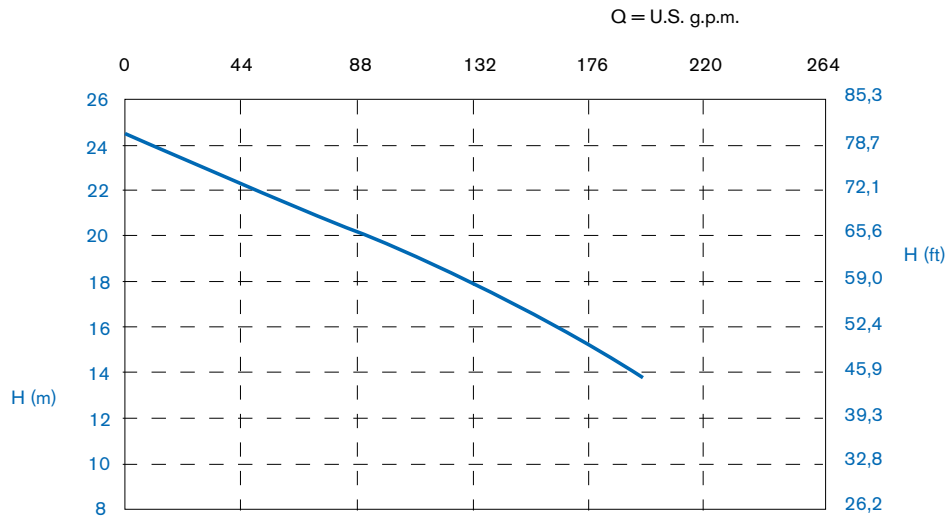
ATTENTION: technical data for standard motor, for any special design with reference to the pumped fluid contact DEBEM's technical support.



Intake connections G 2" 1/2 f (or DN 65 on request)
Delivery connections G 2" m (or DN 50 on request)
Max. flow rate 42 m³/h
Max head 24 m
Construction materials PP - PVDF

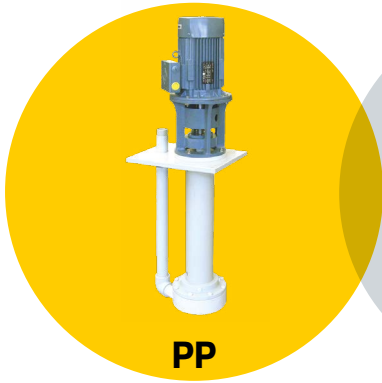
CE

DEBEM
MADE IN ITALY

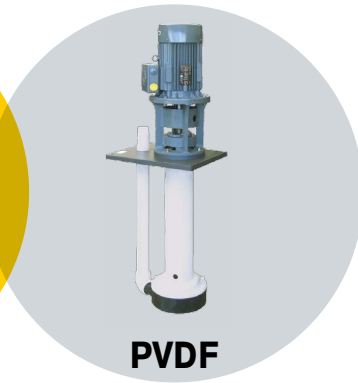


The curves and performance values refer to pumps spare delivery outlet and water at 20°C, 2 pole motor 50 Hz (2900rpm).

AVAILABLE MATERIALS



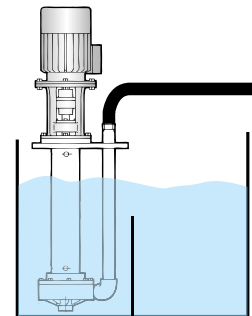
PP



PVDF

INSTALLATION

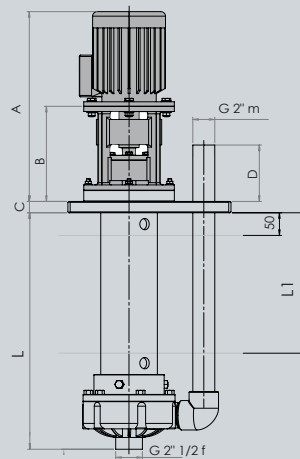
IN TANK



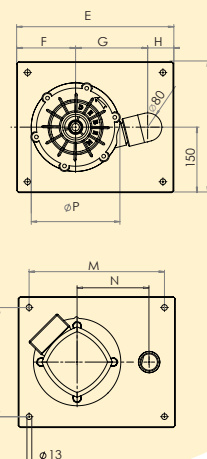
L column	Peso PP	Peso PVDF	L1 max.
500	28 Kg	30 Kg	300
800	31 Kg	33 Kg	600
1000	33 Kg	35 Kg	800
1250	36 Kg	38 Kg	1050

(Dimensions in mm - Other sizes available on request)

IM150 PP/PVDF



IM150 PP/PVDF



(Dimensions in mm)

Packaging: wooden cage, for Pesos and dimensions contact Debem staff.

MODEL	POWER	Ø PASSING SOLIDS	A	B	C	D	E	F	G	H	I	M	N	O	P	KG MOTOR
IM 150	4 Kw - 5.5 HP	2	532	233	25	132	480	170	215	95	380	430	215	330	Ø275	36

IM COMPOSITION CODE

ex. **IM150P-V-0800-N**

IM150 in PP, O-Ring Viton, column length 800 mm, three-phase motor

IM150	P -	V	0800	N
PUMP MODEL	PUMP MATERIAL	O-RING	COLUMN LENGTH	MOTOR
IM150 - IM 150	P - Polypropylene FC - PVDF+CF	D - EPDM V - Viton	0500 - 500 mm 0800 - 800 mm 1000 - 1000 mm 1250 - 1250 mm	N* - Three-phase motor M - Single-phase motor A - ATEX motor

*Standard motor is the three-phase induction type with European voltage (2-pole) 50Hz

PRODUCT APPLICATION



VERTICAL CENTRIFUGAL PUMPS

IM 155

MADE IN ITALY 

- **Product of Italian origin**
- Available in PP-PVDF
- Pump immersed in tank
- Removable motor even with pump installed
- No welded seams
- Operation also possible with heavily soiled fluids, with solids in suspension
- Max. flow rate 42 m³/h
- Max head 27 m
- Open impeller Ø 162 mm x H 4 mm (Standard impeller, for any special design with reference to the pumped fluid contact DEBEM's technical support), 10 gradi
- Simple replacement of wear bushing
- Extremely easy maintenance
- Also available without motor
- Low cost of spare parts
- Viscosity up to 500 CPS
- Column length: 500 / 800 / 1000 / 1250 mm (*other sizes on request*)
- Operating temperatures:
PP min. +3°C / max. +65°C
PVDF min. +3°C / max +95°C
- Continuous operation: YES
- Warranty: 1 year, according to our general conditions of sale
- Spare parts: to identify the spare parts check the exploded views provided at the end of the operation and maintenance manual.

MODEL	Kw MOTOR	HP	MOTOR SIZE	RPM	MOTOR SPECIFICATIONS
IM155	5,5	7,5	B5	2900	THREE-PHASE 400/690 V-50/60 HZ 2-POLE efficiency class IE2 protection rating IP55 - Ambient temperature -30°C + 45° C / ATEX motor available

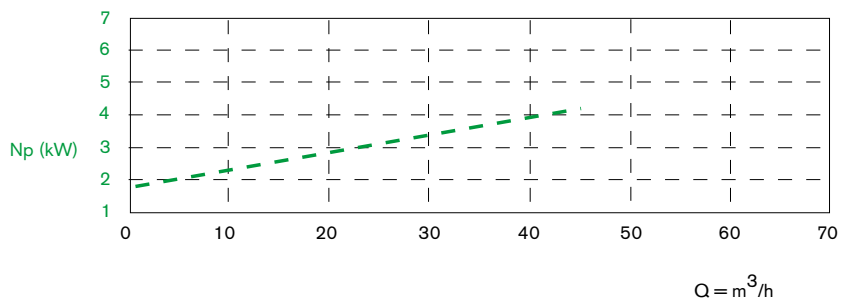
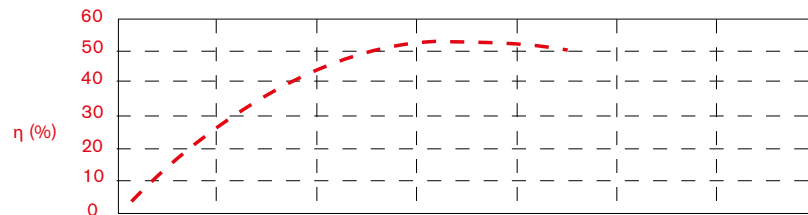
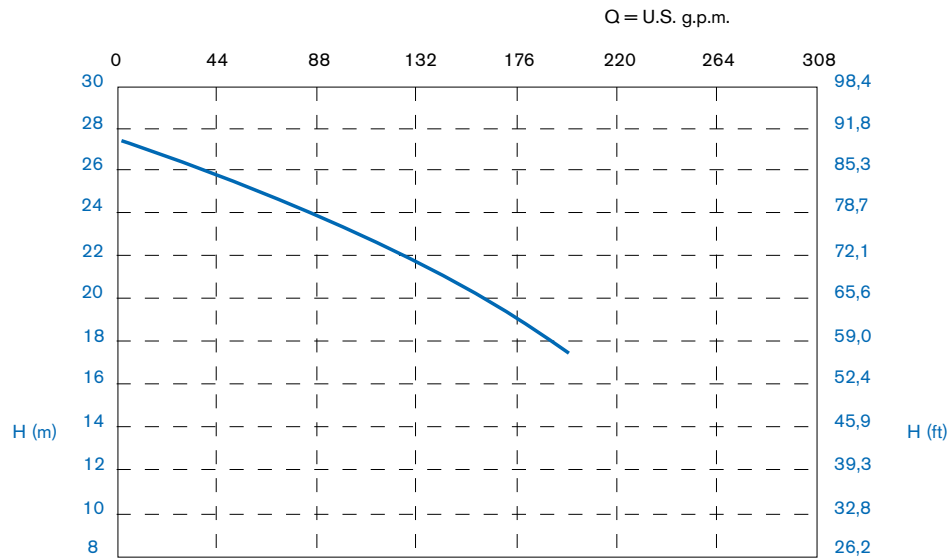
ATTENTION: technical data for standard motor, for any special design with reference to the pumped fluid contact DEBEM's technical support.



Intake connections G 2" 1/2 f (or DN 65 on request)
Delivery connections G 2" m (or DN 50 on request)
Max. flow rate 42 m³/h
Max. head 27 m
Construction materials PP - PVDF

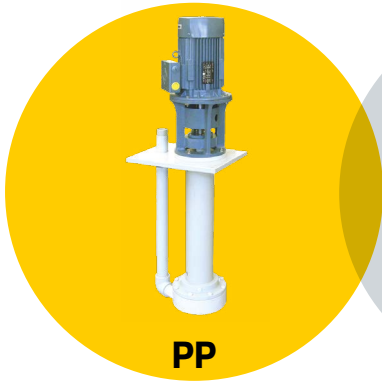
CE

DEBEM
MADE IN ITALY

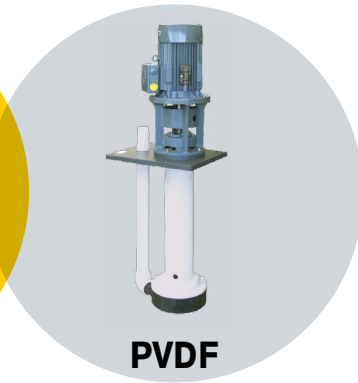


The curves and performance values refer to pumps spare delivery outlet and water at 20°C, 2 pole motor 50 Hz (2900rpm).

AVAILABLE MATERIALS



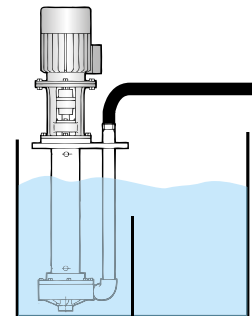
PP



PVDF

INSTALLATION

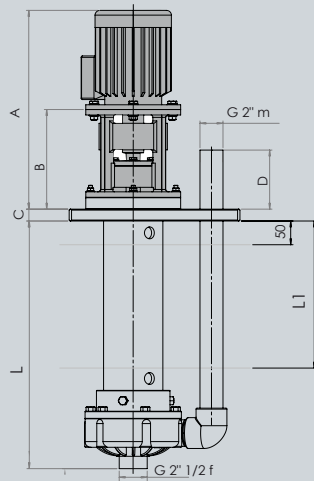
IN TANK



L column	Peso PP	Peso PVDF	L1 max.
500	28 Kg	30 Kg	300
800	31 Kg	33 Kg	600
1000	33 Kg	35 Kg	800
1250	36 Kg	38 Kg	1050

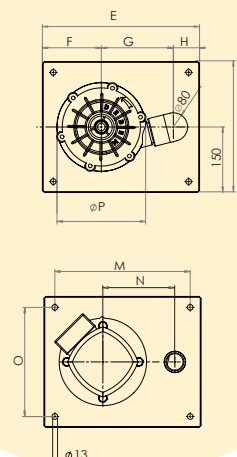
(Dimensions in mm - Other sizes available on request)

IM155 PP/PVDF



(Dimensions in mm)

IM155 PP/PVDF



Packaging: wooden cage, for Pesos and dimensions contact Debem staff.

MODEL	POWER	Ø PASSING SOLIDS	A	B	C	D	E	F	G	H	I	M	N	O	P	KG MOTOR
IM 155	5.5 Kw - 7.5 HP	2	682	303	25	130	480	170	215	95	380	430	215	330	Ø275	53

IM COMPOSITION CODE

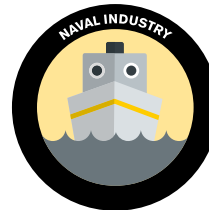
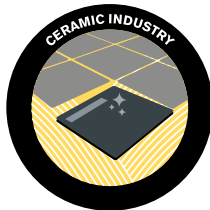
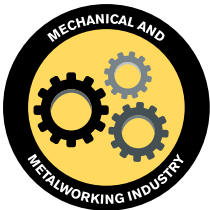
ex. **IM155P-V-0800-N**

IM155 in PP, O-Ring Viton, column length 800 mm, three-phase motor

IM155	P -	V	0800	N
PUMP MODEL	PUMP MATERIAL	O-RING	COLUMN LENGTH	MOTOR
IM155 - IM 155	P - Polypropylene FC - PVDF+CF	D - EPDM V - Viton	0500 - 500 mm 0800 - 800 mm 1000 - 1000 mm 1250 - 1250 mm	N* - Three-phase motor M - Single-phase motor A - ATEX motor

*Standard motor is the three-phase induction type with European voltage (2-pole) 50Hz

PRODUCT APPLICATION



VERTICAL CENTRIFUGAL PUMPS

IM 160

MADE IN ITALY 

- **Product of Italian origin**
- Available in PP-PVDF
- Pump immersed in tank
- Removable motor even with pump installed
- No welded seams
- Operation also possible with heavily soiled fluids, with solids in suspension
- Max. flow rate 55 m³/h
- Max head 32 m
- Open impeller Ø 162 mm x H 11 mm (Standard impeller, for any special design with reference to the pumped fluid contact DEBEM's technical support), 10 gradi
- Simple replacement of wear bushing
- Extremely easy maintenance
- Also available without motor
- Low cost of spare parts
- Viscosity up to 500 CPS
- Column length: 500 / 800 / 1000 / 1250 mm (*other sizes on request*)
- Operating temperatures:
PP min. +3°C / max. +65°C
PVDF min. +3°C / max. +95°C
- Continuous operation: YES
- Warranty: 1 year, according to our general conditions of sale
- Spare parts: to identify the spare parts check the exploded views provided at the end of the operation and maintenance manual.

MODEL	Kw MOTOR	HP	MOTOR SIZE	RPM	MOTOR SPECIFICATIONS
IM160	7,5	10	B5	2900	THREE-PHASE 400/690 V-50/60 HZ 2-POLE efficiency class IE2 protection rating IP55 - Ambient temperature -30°C + 45° C / ATEX motor available

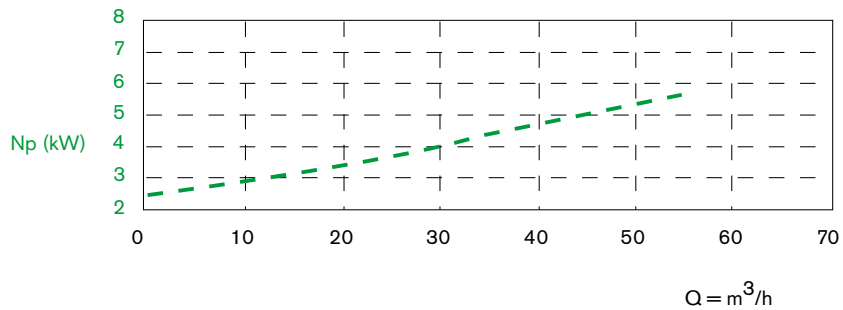
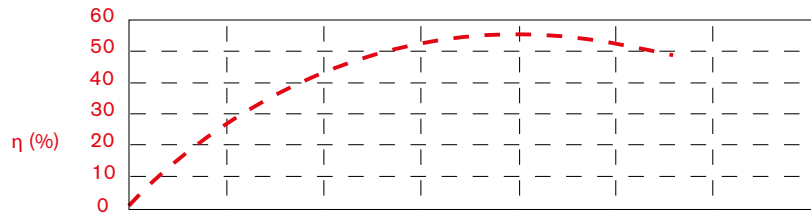
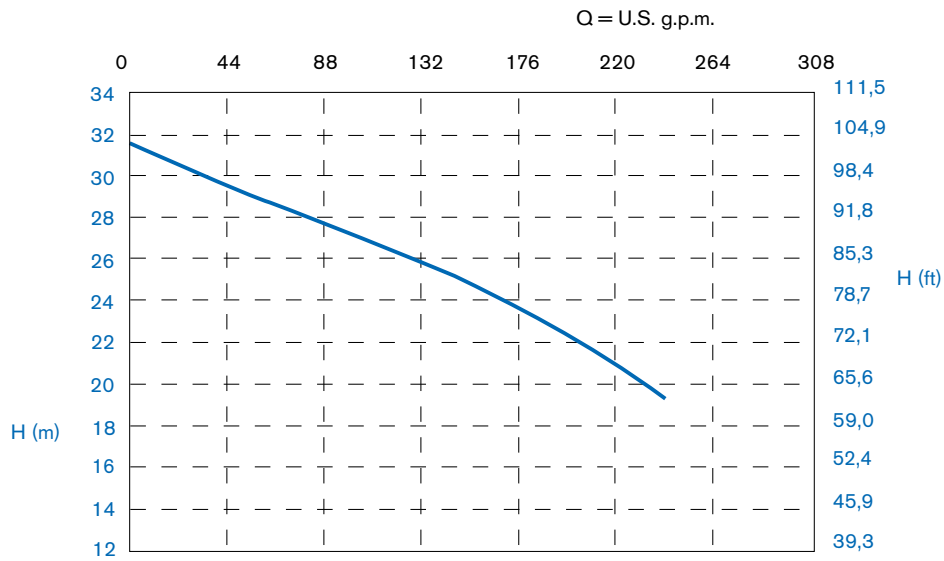
ATTENTION: technical data for standard motor, for any special design with reference to the pumped fluid contact DEBEM's technical support.



Intake connections G 2" 1/2 f (or DN 65 on request)
Delivery connections G 2" m (or DN 50 on request)
Max. flow rate 55 m³/h
Max head 32 m
Construction materials PP - PVDF

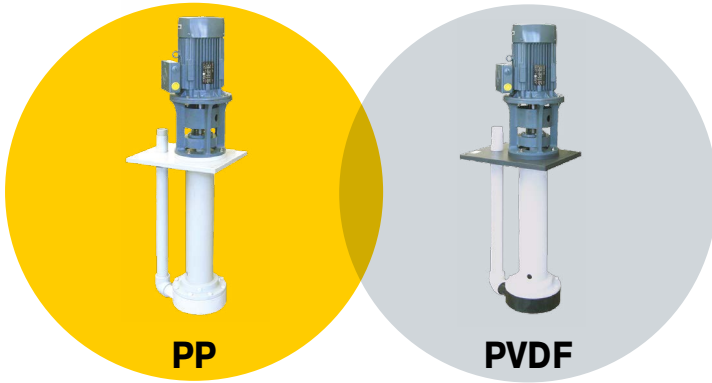
CE

DEBEM
MADE IN ITALY



The curves and performance values refer to pumps spare delivery outlet and water at 20°C, 2 pole motor 50 Hz (2900rpm).

AVAILABLE MATERIALS

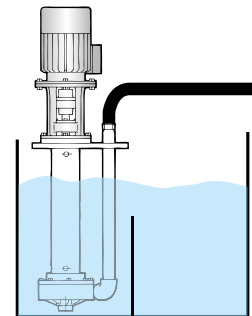


PP

PVDF

INSTALLATION

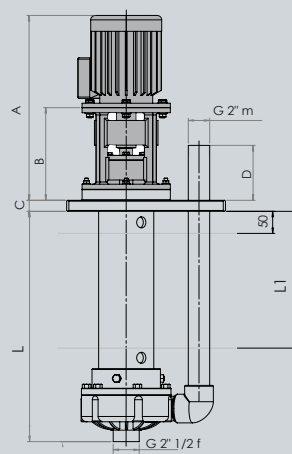
IN TANK



L column	Peso PP	Peso PVDF	L1 max.
500	31 Kg	33 Kg	300
800	34 Kg	36 Kg	600
1000	36 Kg	38 Kg	800
1250	39 Kg	41 Kg	1050

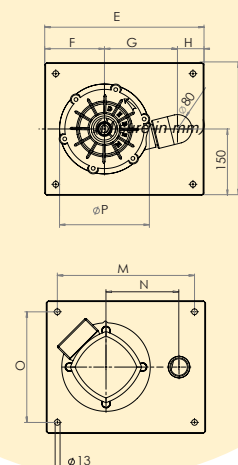
(Dimensions in mm - Other sizes available on request)

IM160 PP/PVDF



(Dimensions in mm)

IM160 PP/PVDF



Packaging: wooden cage, for Pesos and dimensions contact Debem staff.

MODEL	POWER	Ø PASSING SOLIDS	A	B	C	D	E	F	G	H	I	M	N	O	P	KG MOTOR
IM 160	7.5 Kw - 10 HP	9	702	303	25	130	480	170	215	95	380	430	215	330	Ø275	61

IM COMPOSITION CODE

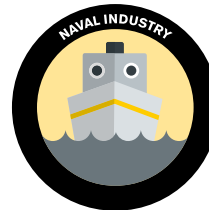
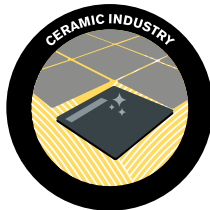
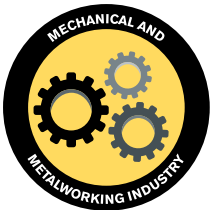
ex. **IM160P-V-0800-N**

IM160 in PP, O-Ring Viton, column length 800 mm, three-phase motor

IM160	P -	V	0800	N
PUMP MODEL	PUMP MATERIAL	O-RING	COLUMN LENGTH	MOTOR
IM160 - IM 160	P - Polypropylene FC - PVDF+CF	D - EPDM V - Viton	0500 - 500 mm 0800 - 800 mm 1000 - 1000 mm 1250 - 1250 mm	N* - Three-phase motor M - Single-phase motor A - ATEX motor

*Standard motor is the three-phase induction type with European voltage (2-pole) 50Hz

PRODUCT APPLICATION



VERTICAL CENTRIFUGAL PUMPS

IM 180

MADE IN ITALY 

- **Product of Italian origin**
- Available in PP-PVDF
- Pump immersed in tank
- Removable motor even with pump installed
- No welded seams
- Operation also possible with heavily soiled fluids, with solids in suspension
- Max. flow rate 75 m³/h
- Max head 38 m
- Open impeller Ø 176 mm x H 13 mm (Standard impeller, for any special design with reference to the pumped fluid contact DEBEM's technical support), 10 gradi
- Simple replacement of wear bushing
- Extremely easy maintenance
- Also available without motor
- Low cost of spare parts
- Viscosity up to 500 CPS
- Column length: 500 / 800 / 1000 / 1250 mm (*other sizes on request*)
- Operating temperatures:
PP min. +3°C / max. +65°C
PVDF min. +3°C / max. +95°C
- Continuous operation: YES
- Warranty: 1 year, according to our general conditions of sale
- Spare parts: to identify the spare parts check the exploded views provided at the end of the operation and maintenance manual.

MODEL	Kw MOTOR	HP	MOTOR SIZE	RPM	MOTOR SPECIFICATIONS
IM180	11	15	B5	2900	THREE-PHASE 400/690 V-50/60 HZ 2-POLE efficiency class IE2 protection rating IP55 - Ambient temperature -30°C + 45° C / ATEX motor available

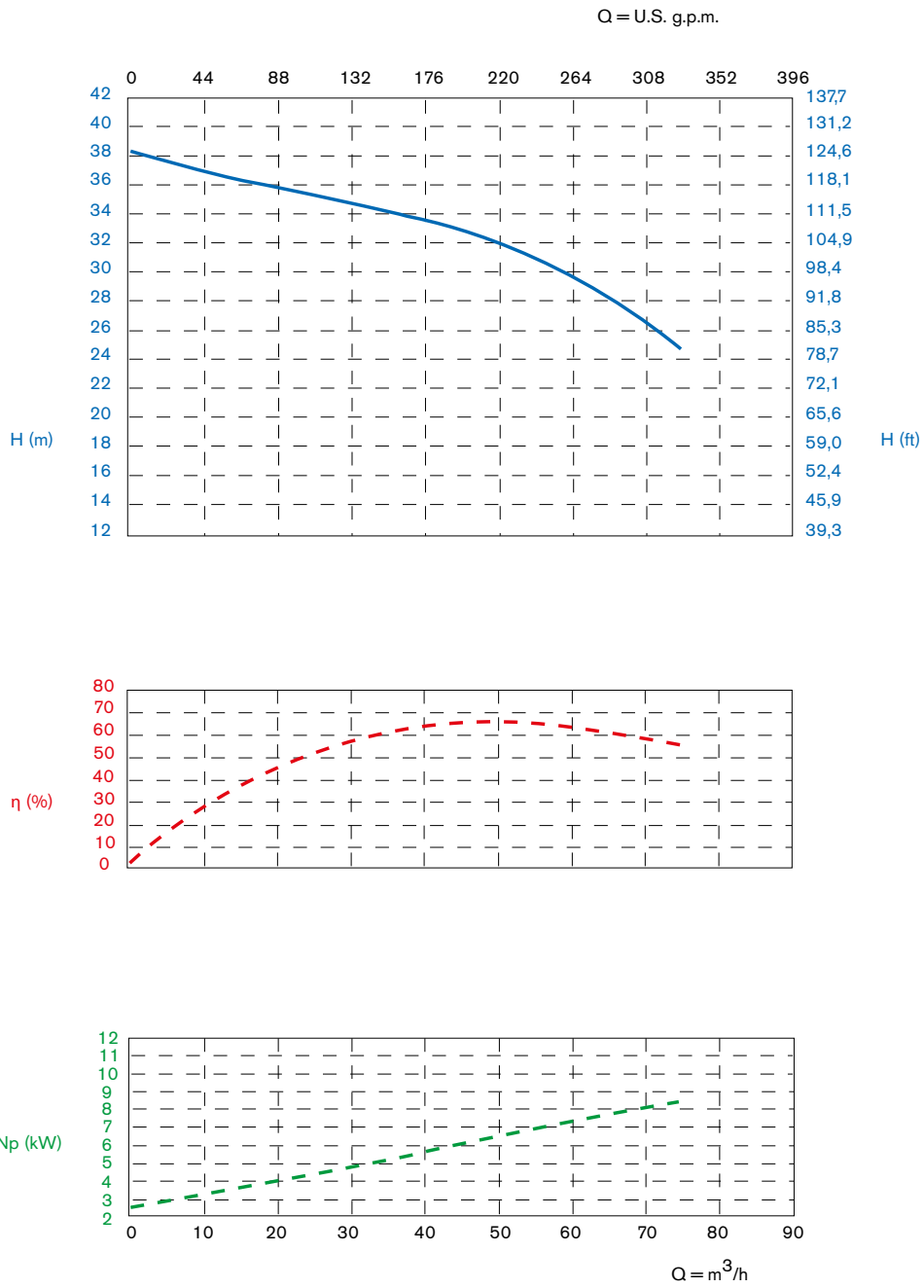
ATTENTION: technical data for standard motor, for any special design with reference to the pumped fluid contact DEBEM's technical support.



Intake connections G 2" 1/2 f (or DN 65 on request)
Delivery connections G 2" m (or DN 50 on request)
Max. flow rate 75 m³/h
Max head 38 m
Construction materials PP - PVDF

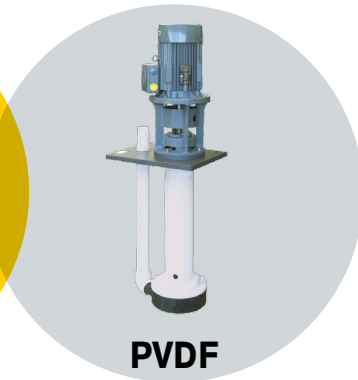
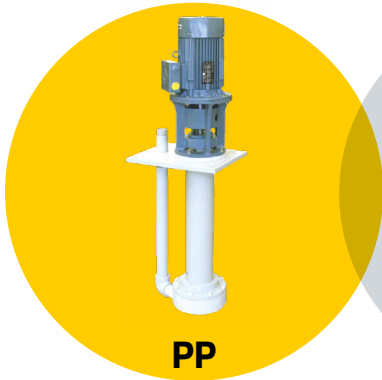
CE

DEBEM
MADE IN ITALY



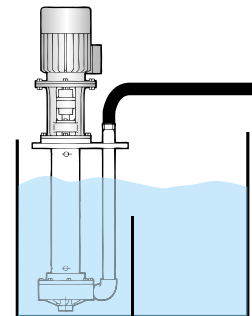
The curves and performance values refer to pumps spare delivery outlet and water at 20°C, 2 pole motor 50 Hz (2900rpm).

AVAILABLE MATERIALS



INSTALLATION

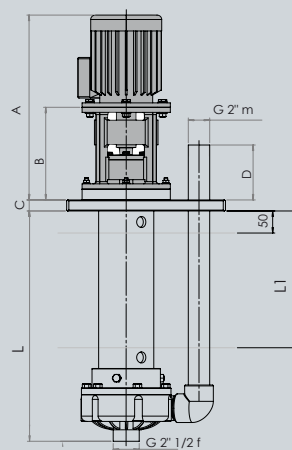
IN TANK



L column	Peso PP	Peso PVDF	L1 max.
500	31 Kg	33 Kg	300
800	34 Kg	36 Kg	600
1000	36 Kg	38 Kg	800
1250	39 Kg	41 Kg	1050

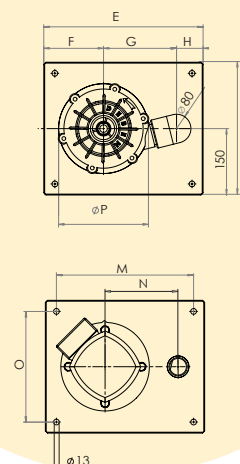
(Dimensions in mm - Other sizes available on request)

IM180 PP/PVDF



(Dimensions in mm)

IM180 PP/PVDF



Packaging: wooden cage, for Pesos and dimensions contact Debem staff.

MODEL	POWER	Ø PASSING SOLIDS	A	B	C	D	E	F	G	H	I	M	N	O	P	KG MOTOR
IM 180	11 Kw - 15 HP	11	752	303	25	130	480	170	215	95	380	430	215	330	Ø275	71

IM COMPOSITION CODE

ex. **IM180P-V-0800-N**

IM180 in PP, O-Ring Viton, column length 800 mm, three-phase motor

IM0180	P -	V	0800	N
PUMP MODEL	PUMP MATERIAL	O-RING	COLUMN LENGTH	MOTOR
IM180 - IM 180	P - Polypropylene FC - PVDF+CF	D - EPDM V - Viton	0500 - 500 mm 0800 - 800 mm 1000 - 1000 mm 1250 - 1250 mm	N* - Three-phase motor M - Single-phase motor A - ATEX motor

*Standard motor is the three-phase induction type with European voltage (2-pole) 50Hz

PRODUCT APPLICATION

