

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

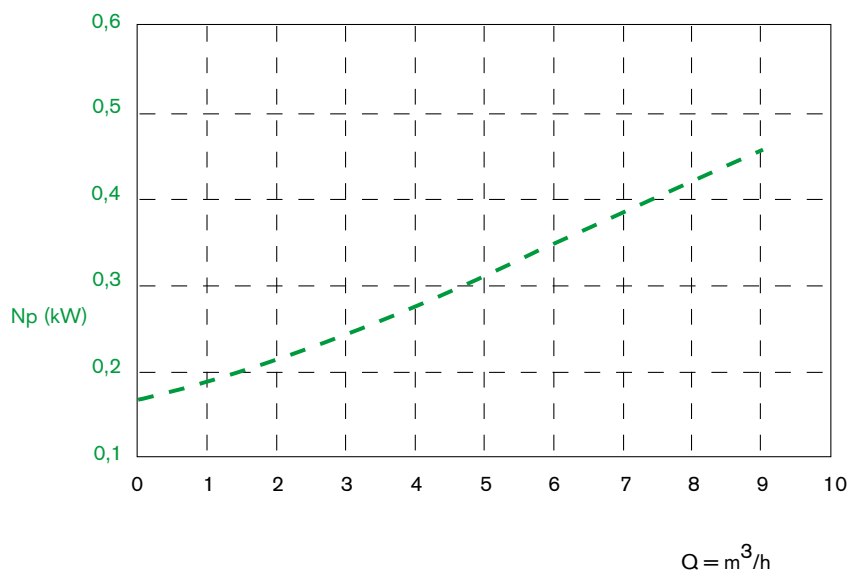
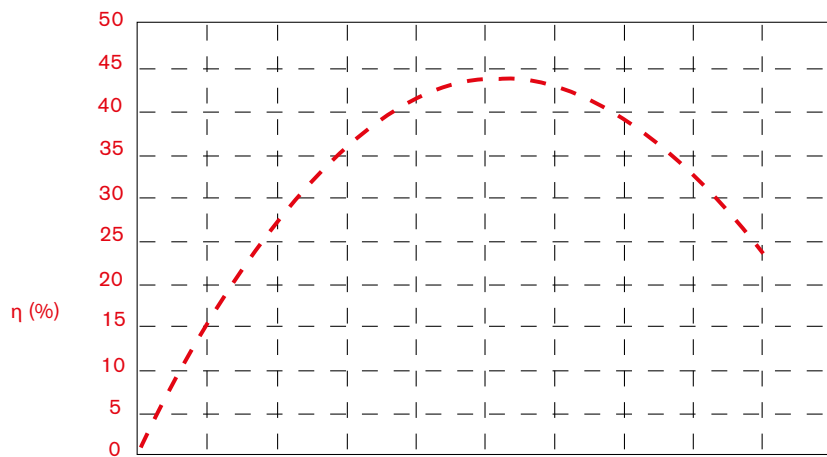
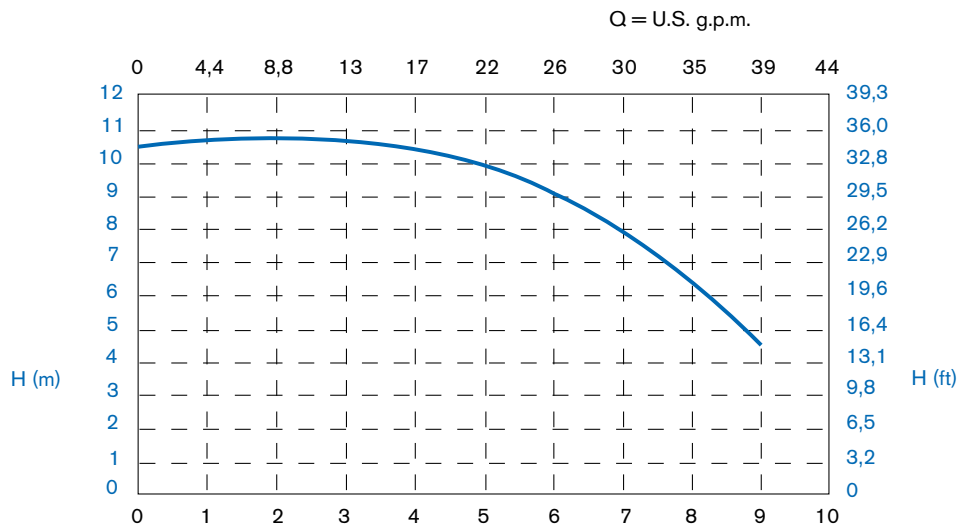
ATTENTION: technical data for standard motor, for any special design with reference to the pumped fluid contact DEBEM's technical support.



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

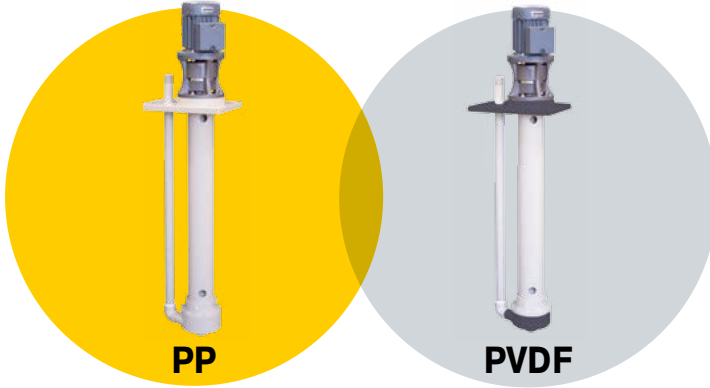
CE

DEBEM
MADE IN ITALY

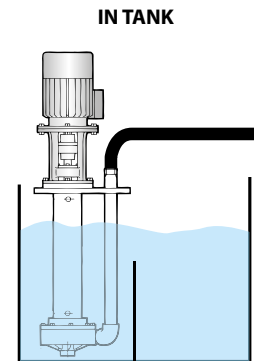


The curves and performance values refer to pumps spare delivery outlet and water at 20°C, 2 pole motor 50 Hz (2900rpm).

AVAILABLE MATERIALS

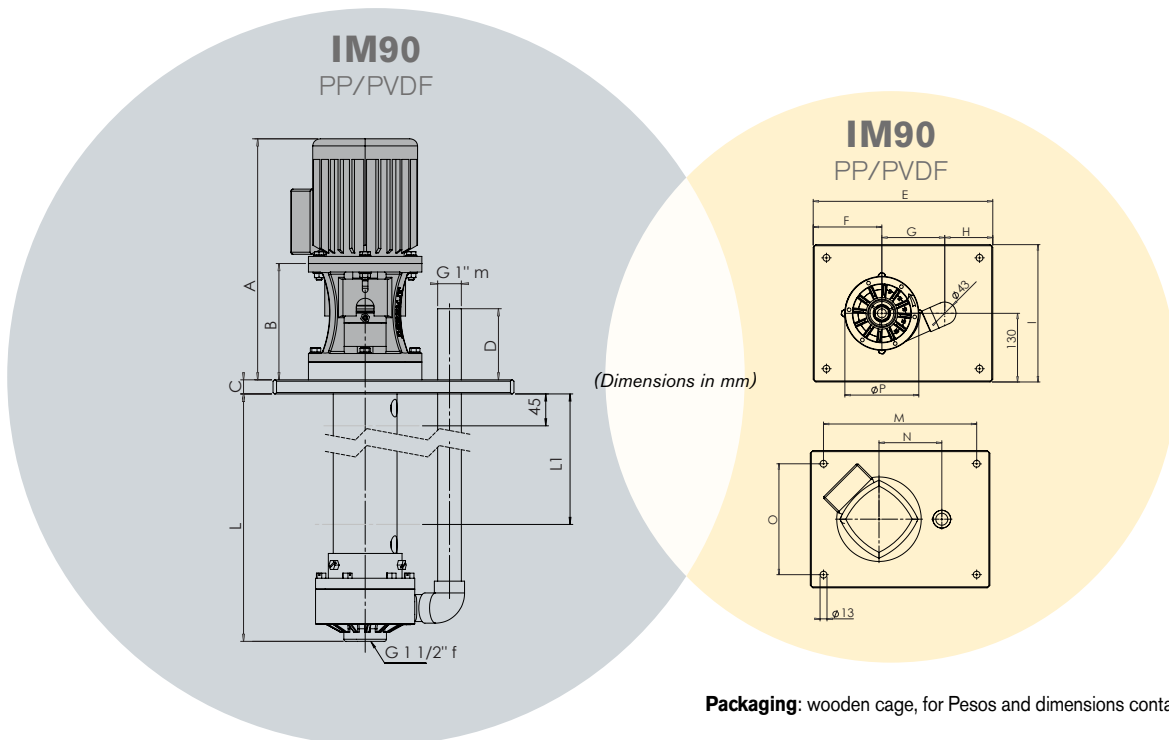


INSTALLATION



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

