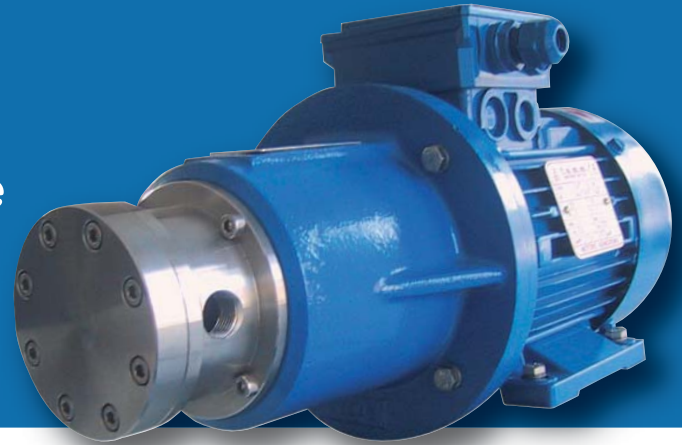


## HTP Metallic rotary vane mag drive pumps dry self-priming

## HTP Pompe rotative a palette a trascinamento magnetico in metallo, autoadescanti a secco



### FEATURES

Rotary vane mag drive pumps series HTP are made of metallic materials (AISI 316, Hastelloy, Titanium) and are suitable for high corrosive liquids, hydrocarbons, solvents, heat transfer oils, refrigerants, cryogenics and radioactive liquids. Thanks to the innovative mag drive system, pumps model HTP reduce the risks of losses and the maintenance costs. HTP pumps are useful for low flow and high head applications such as Pilot Plants, Sampling and Flushing of mechanical seals. Especially designed for thin no-lubricating liquids and/or high differential pressure.

Pumps series HTP are also available in ATEX version for zone 1 and 2 (pump model EM-P)

- **Materials available: AISI 316, Hastelloy, Titanium;**
- **Materials in contact with the liquid:**  
**Casing and rotor: AISI 316;**  
**O-ring: EPDM/VITON; Carbon Graphite Stator;**
- **Max flow: 2000 l/h; Max pressure 13 bar;**
- **Temperature range: from -70°C to +250°C;**
- **Max viscosity: 2000 cPs;**
- **System Pressure 25 bar.**

### STANDARD

- **High torque magnetic coupling;**
- **Direct starting motor**

### OPTIONAL

- **Flanges available;**
- **Dry-running protection;**
- **Baseplate.**

### CARATTERISTICHE

Le pompe rotative a palette serie HTP sono costruite in materiali metallici (AISI 316, Hastelloy, Titanio) e sono adatte al pompaggio di liquidi altamente corrosivi, idrocarburi, solventi, olio diatermico, refrigeranti, criogenici e liquidi radioattivi. Grazie all'innovativo sistema a trascinamento magnetico, le pompe modello HTP riducono il rischio di perdite e i costi di manutenzione. Le pompe HTP sono adatte per applicazioni con basse portate e alte pressioni come ad esempio Impianti Pilota, Campionamento e Flussaggio delle tenute meccaniche. Si tratta di pompe progettate per l'utilizzo con liquidi volatili e non lubrificati e/o ad alta pressione differenziale.

Le pompe della serie HTP possono essere fornite anche in versione ATEX per zona 1 e 2 (pompa modello EM-P)

- **Materiali disponibili: AISI 316, Hastelloy, Titanio;**
- **Materiali a contatto con il liquido:**  
**Corpo e rotore: AISI 316;**  
**O-ring EPDM/VITON; Statore in grafite;**
- **Portata fino a 2000 l/h; Pressione fino a 13 bar**
- **Temperatura max di esercizio: da -70°C a +250°C;**
- **Viscosità massima: 2000 cPs;**
- **Pressione di sistema 25 bar.**

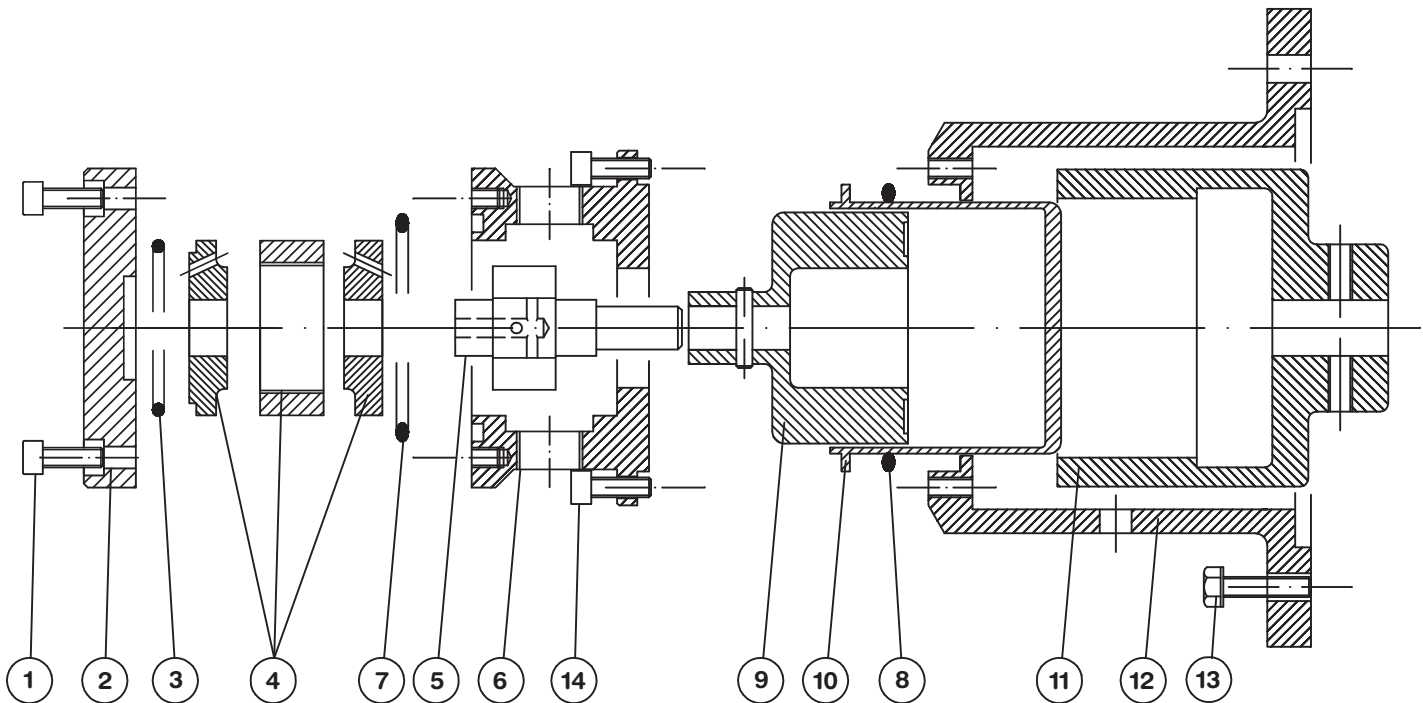
### STANDARD

- **Elevata coppia magnetica;**
- **Avviamento diretto**

### OPTIONAL

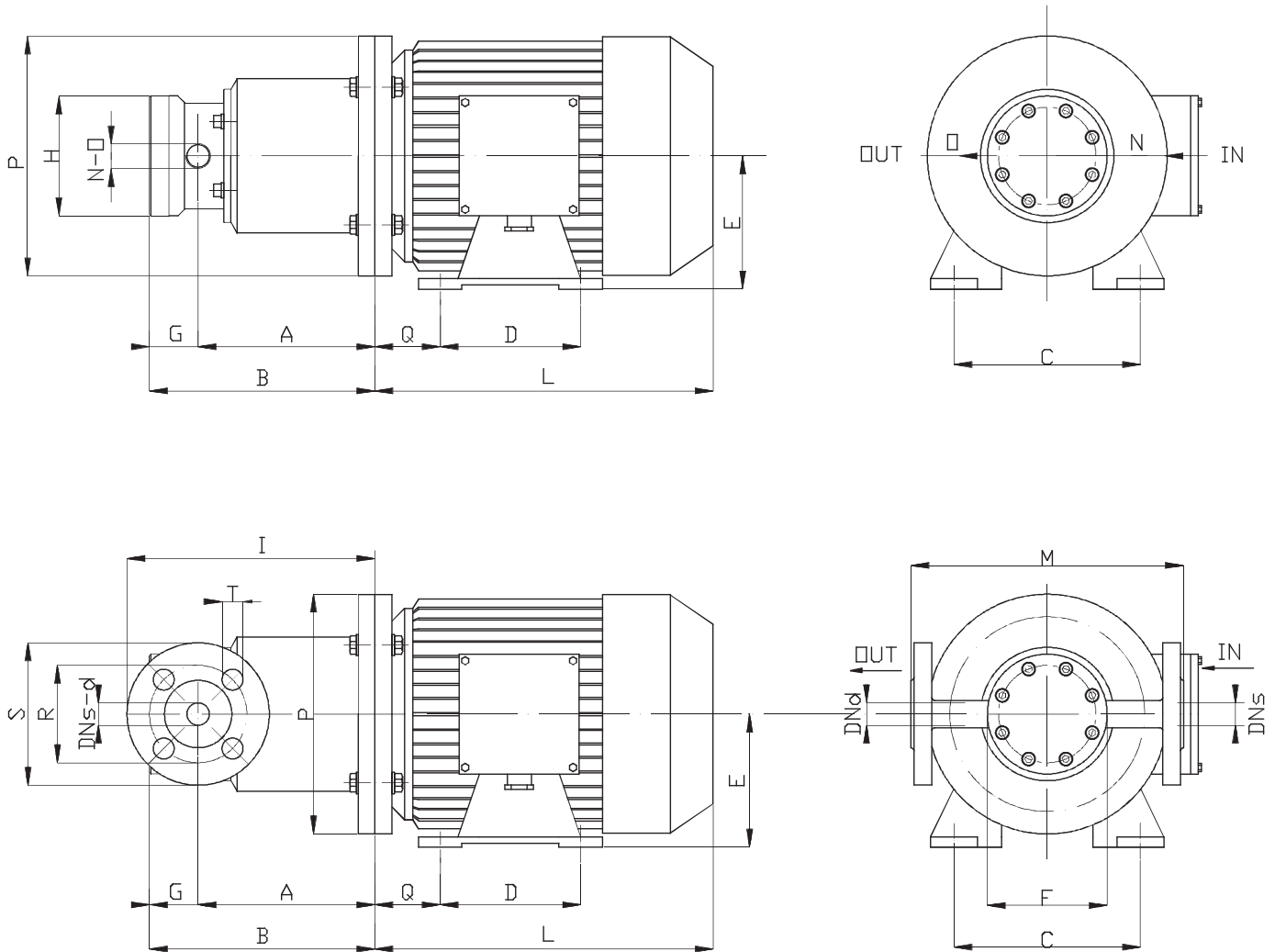
- **Flange;**
- **Dispositivo contro la marcia a secco;**
- **Basamento.**

# HTP 1° - 2° - 3° RANGE / EM-P 1° - 2° - 3° RANGE (ATEX VERSION) SECTION AND PARTS LIST - SEZIONE E LISTA PARTI



POS.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PART. DESCR.	SET SCREWS	END COVER	O - RING	FLANGE STATOR VANES + PINS	ROTOR SHAFT	PUMP BODY	O - RING	O - RING	INTERNAL MAGNET	REAR CASING	EXTERNAL MAGNET	BRACKET	SET SCREWS	SET SCREWS
MATERIALS	AISI 304	AISI 316	EPDM VITON	GRAPHITE	AISI 316	AISI 316	EPDM VITON	EPDM VITON	AISI 316	AISI 316	C40 + NiFeb	ALUMINIUM	AISI 304	AISI 304

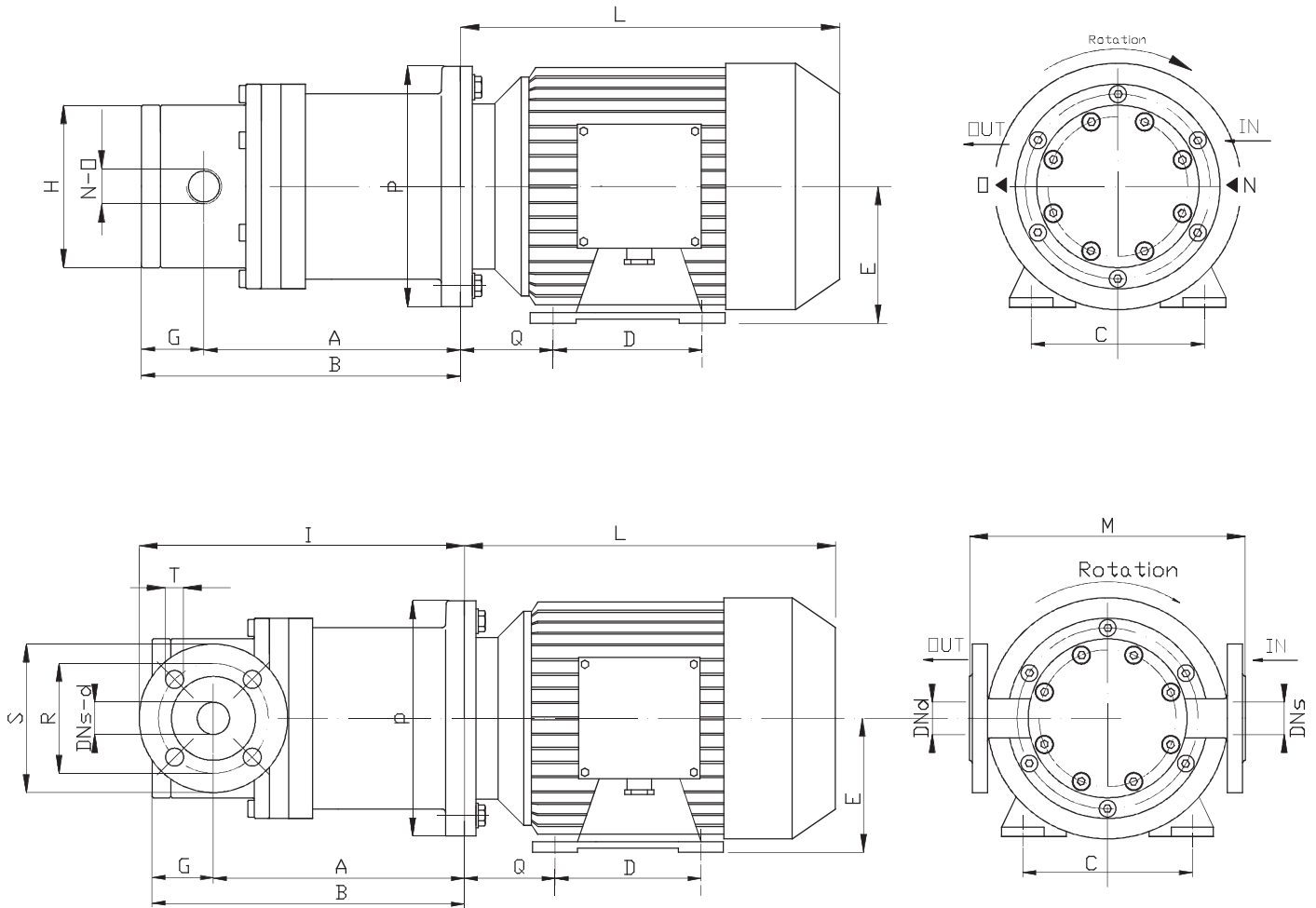
# HTP 1°- 2° RANGE / EM-P 1°- 2° RANGE (ATEX VERSION) DIMENSIONS - DIMENSIONI D'INGOMBRO



PUMP TYPE	FLANGES DIMENSIONS - mm -					
	R	S	T	DNs	DNd	
HTP 1° RANGE	65	95	14	15	15	DN15 PN25
HTP 2° RANGE	75	105	14	20	20	DN20 PN25

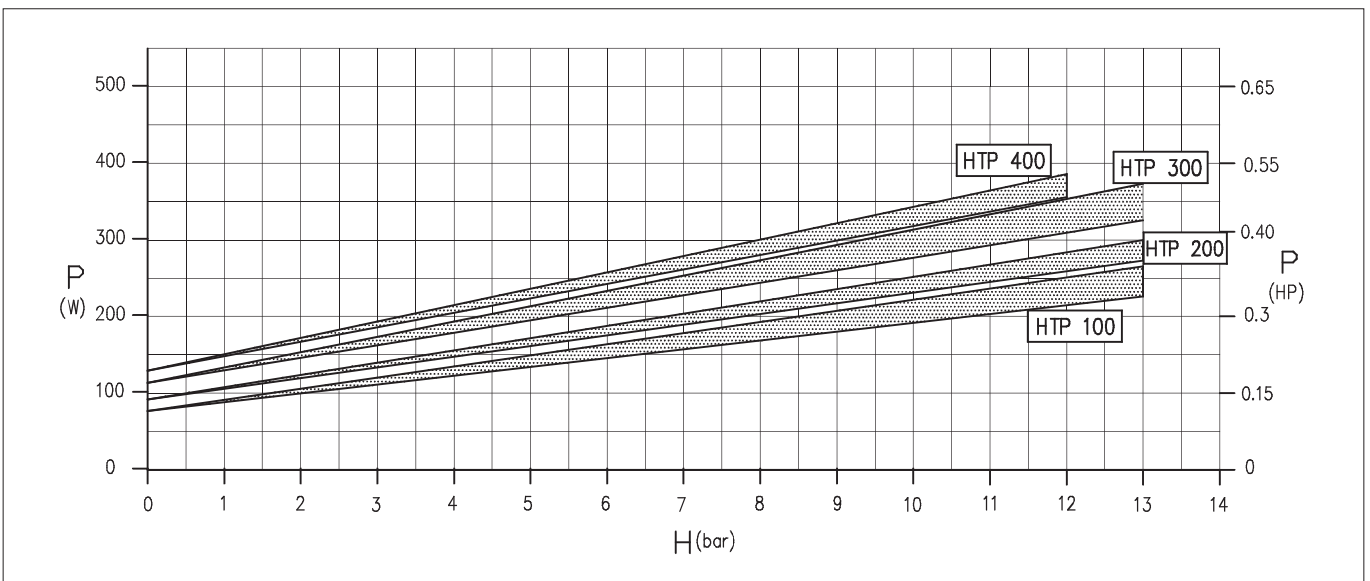
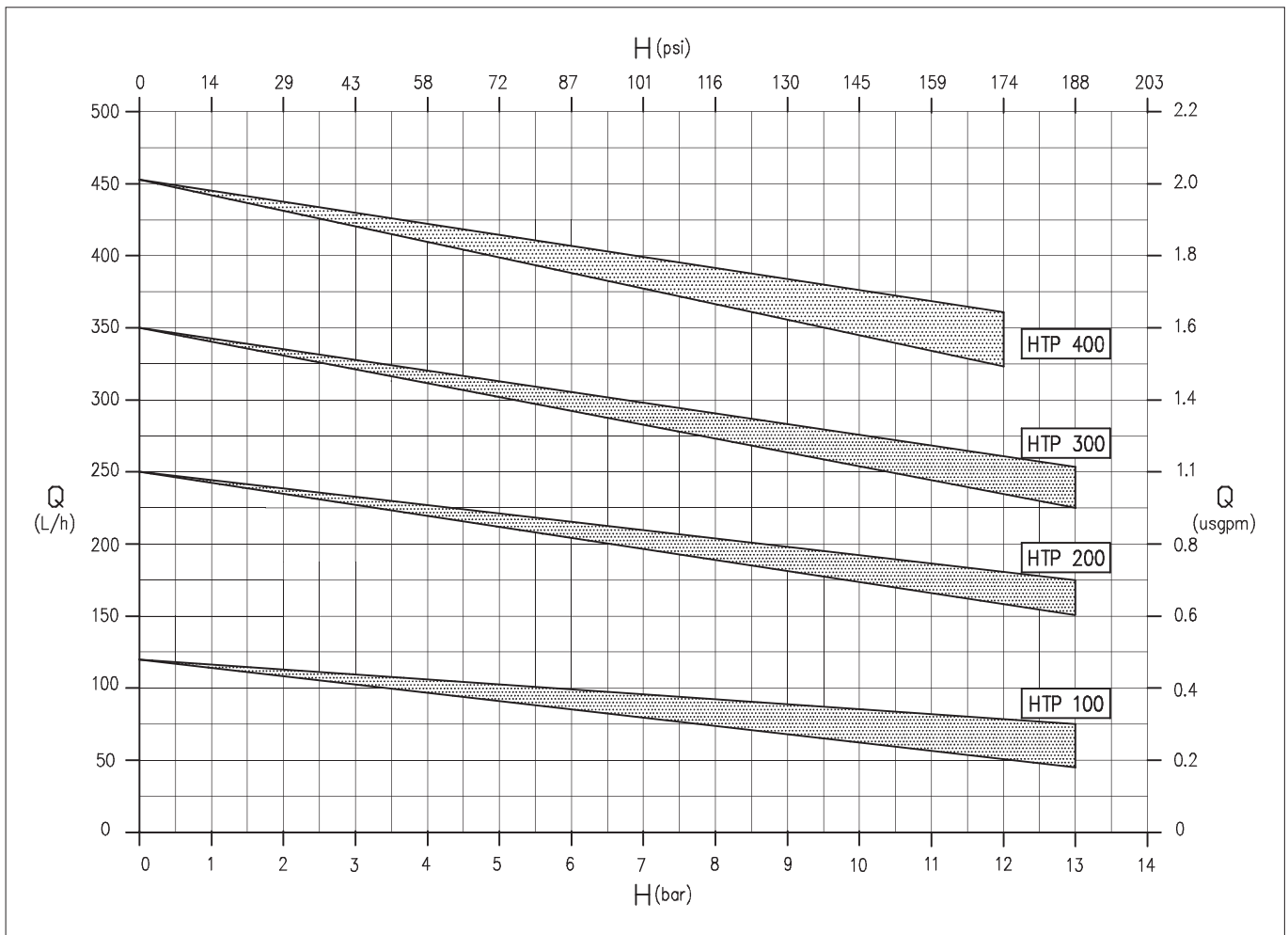
PUMP TYPE	MOTOR FLANGE B5 - B5	POT. kW	DIMENSIONS - mm -														
			A	B	C	D	E	F	G	H	I	~L	M	N	O	P	Q
HTP 1° RANGE	G 71	0,37	127	159,5	112	90	71	80	32,5	80	175	192	182	3/8 G.	3/8 G.	160	45
HTP 2° RANGE	G 80	0,75	166	204	125	100	80	95	38	95	219	215	184	1/2 G.	1/2 G.	200	50
	G 90 S	1,5		214	140		90					255					

# HTP 3° RANGE / EM-P 3° RANGE (ATEX VERSION) DIMENSIONS - DIMENSIONI D'INGOMBRO

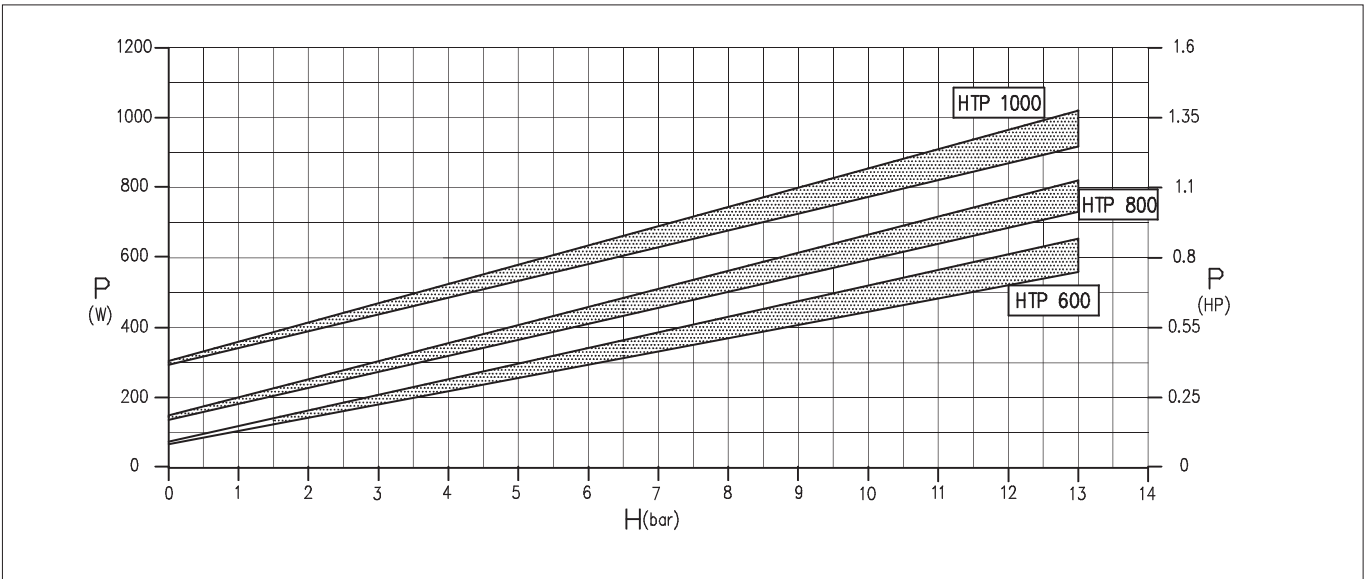
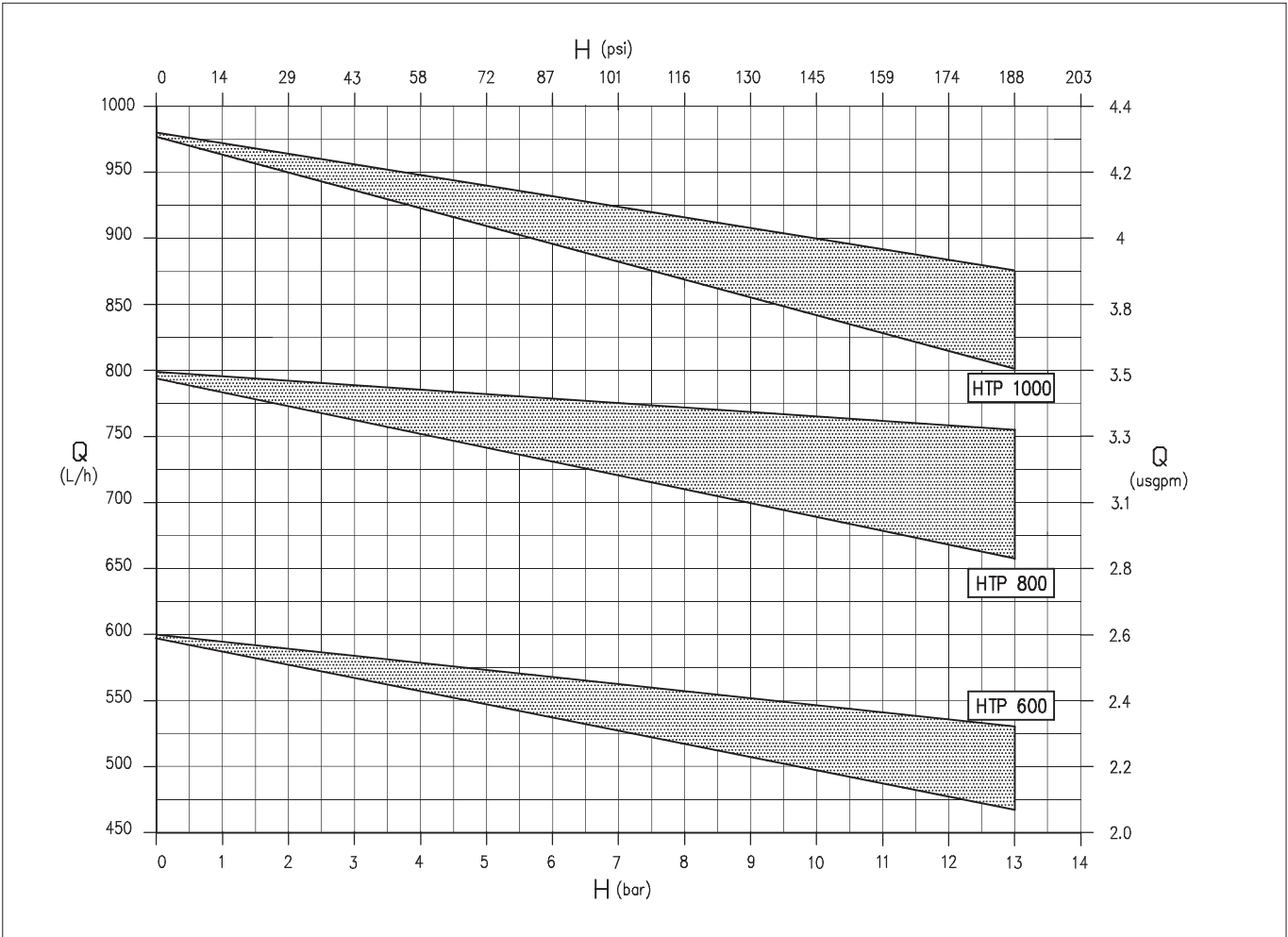


PUMP TYPE	MOTOR FLANGE B5 - B5	POT. kW	DIMENSIONS - mm -													FLANGE DIMENSIONS - mm - DN25 - PN 16					
			A	B	C	D	E	F	G	I	~ L	M	(N)	(O)	P	Q	R	S	T	DNs	DNd
HTP 3° RANGE	G 90 L4	1,5	167	219	140	125	90	130	52	224	280	246	3/4" G.	3/4" G.	200	56	85	115	14	25	25
	G 100 L4A	2,2			160	140	100				316				250	63					

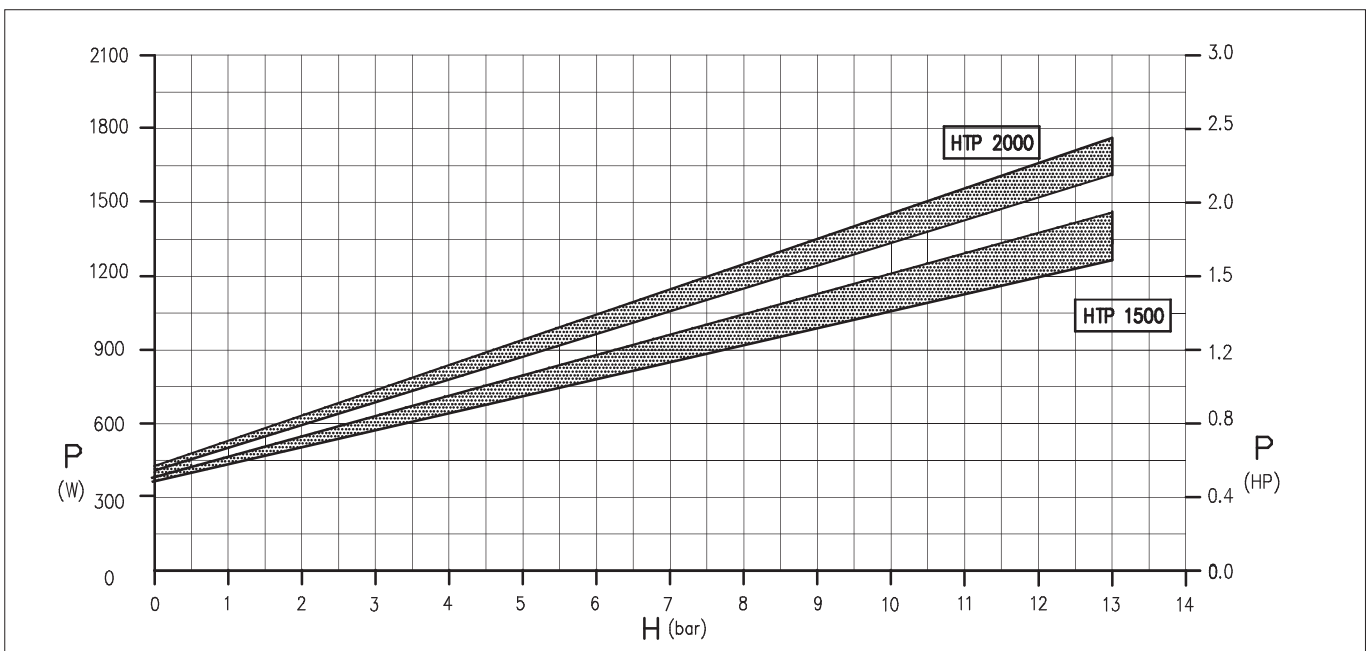
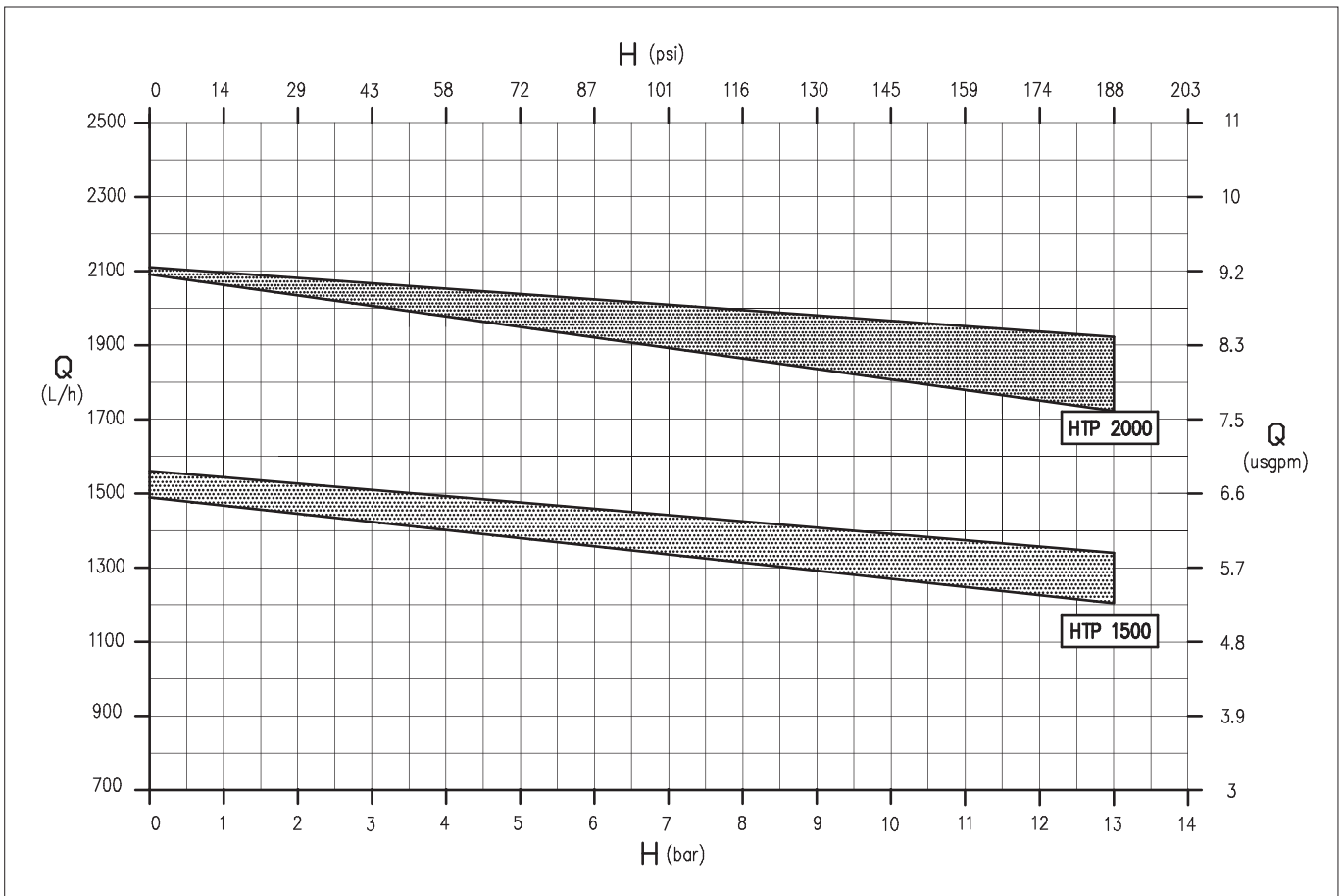
# HTP 1° RANGE / EM-P 1° RANGE (ATEX VERSION) CURVES - CURVE 50 HZ - 1450 RPM



# HTP 2° RANGE / EM-P 2° RANGE (ATEX VERSION) CURVES - CURVE 50 HZ - 1450 RPM



# HTP 3° RANGE / EM-P 3° RANGE (ATEX VERSION) CURVES - CURVE 50 HZ - 1450 RPM



# RANGE OF PRODUCTION - PANORAMA PRODUTTIVO

## HTM PP/ PVDF



### MAG-DRIVE CENTRIFUGAL PUMPS

- **Q max:** 50 m<sup>3</sup>/h - **H max:** 32 mlc
- **Materials:** PP / PVDF

## HTM SS



### MAG-DRIVE CENTRIFUGAL PUMPS

- **Q max:** 30 m<sup>3</sup>/h - **H max:** 24 mlc
- **Materials:** AISI 316

## HTT



### REGENERATIVE MAG-DRIVE TURBINE PUMPS

- **Q max:** 8 m<sup>3</sup>/h - **H max:** 34 mlc
- **Materials:** PP / PVDF

## HTA



### REGENERATIVE MAG-DRIVE TURBINE PUMPS

- **Q max:** 7 m<sup>3</sup>/h - **H max:** 85 mlc
- **Materials:** AISI 316 L / HASTELLOY-C / TITANIUM

## HPP - HPF



### MAG-DRIVE VANE PUMPS SELF-PRIMING

- **Q max:** 400 l/h - **H max:** 5 bar
- **Materials:** PP / PVDF

## HTP



### ROTARY VANE MAG-DRIVE PUMPS DRY SELF-PRIMING

- **Q max:** 2000 l/h - **H max:** 12 bar
- **Materials:** AISI 316 L / HASTELLOY-C / TITANIUM

## HCO



### MECHANICAL SEALED CENTRIFUGAL PUMPS

- **Q max:** 60 m<sup>3</sup>/h - **H max:** 38 mlc
- **Materials:** PP / PVDF

## VPM / VPS / VPL



### LIQUID RING VACUUM PUMPS

- **Q max:** 450 m<sup>3</sup>/h - **H max:** 33 mbar
- **Materials:** AISI 316/316 L SS / ALLOY 20  
HASTELLOY-C / TITANIUM

## PVA



### VERTICAL CENTRIFUGAL PUMPS

- **Q max:** 30 m<sup>3</sup>/h - **H max:** 34 mlc
- **Materials:** AISI 316 / TITANIUM

## HVL



### VERTICAL CENTRIFUGAL PUMPS OPEN IMPELLER

- **Q max:** 55 m<sup>3</sup>/h - **H max:** 36 mlc
- **Materials:** PP / PVDF

## HTF



### DRUM PUMPS

- **Q max:** 130 l/min - **H max:** 22 mlc
- **Materials:** AISI 316 / PP / PVDF

## W 01



### WATTMETRIC RELAY

### DRY-RUNNING PROTECTION