



## **Features and applications**

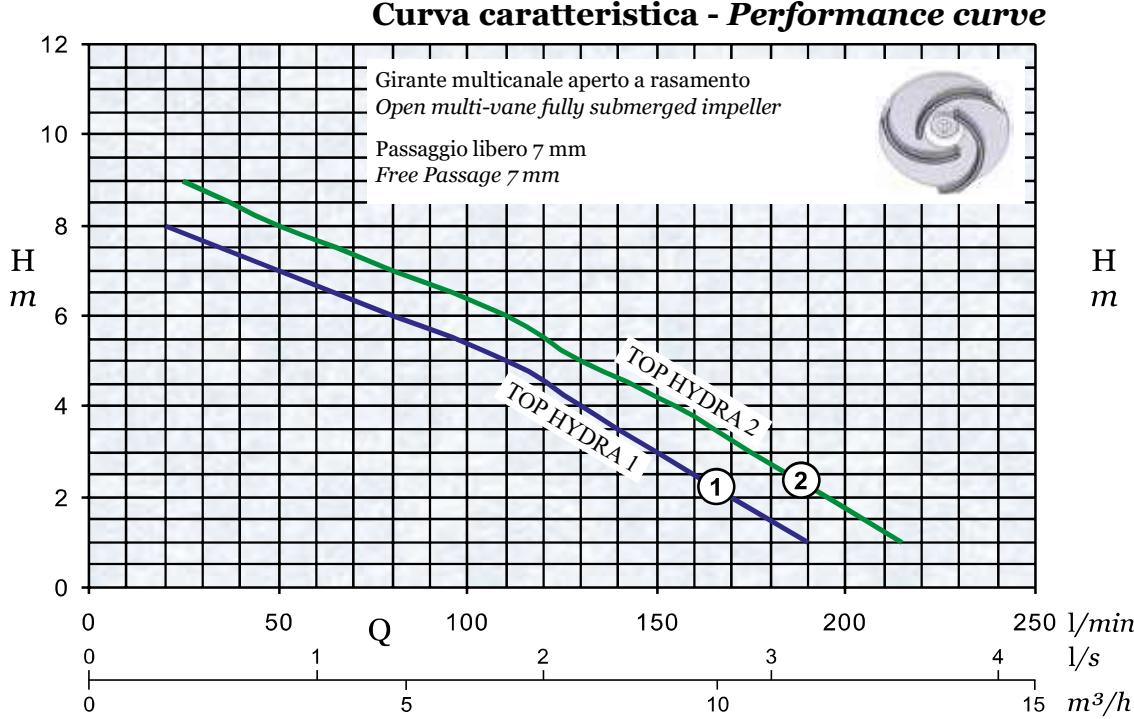
**TOP HYDRA** submersible electric pump have been designed for all domestic uses such as draining basements, watering orchards and gardens and in general, fountains, for pumping any type of clean or slightly turbid liquid. Well designed construction and small size make the pump easily portable without sacrificing reliability. The overall result is a pump which offers a long working life with little and simple maintenance needs. The special construction ensures long life, with limited and easy maintenance also the outlet vertical, encourages its use in wells of limited size. Motor asynchronous squirrel cage type in dielectric anti-oxide oil bath, protection degree IP 68 and insulation class F. Single-phase feeding with incorporated motor protector and with built in capacitor and the three-phase feeding with compulsory protection to be provided by the user. Motor housing Cast iron GG 25, shaft stainless steel AISI 420, electric cable neoprene H07RN8-F oil resistant, bolt A2 class AISI 304, O.ring and lip seal nitrile, mechanical seal on silicon e + alumina.

## **Limiti di impiego**

Temperatura Max. del liquido pompato	40°C
Massima profondità di immersione	20 m
PH del liquido pompato	6 ÷ 10
Massima densità liquido pompato	1,1 Kg/dm <sup>3</sup>
Tensione di alimentazione -Monofase 230V ±6%	-Trifase 400V ±10%
L'elettropompa genera un livello di pressione acustica inferiore a 70 dB	

## *Operating limits*

<i>Max. temperature of pumped fluid</i>	$40^{\circ}\text{C}$
<i>Max. immersion depth</i>	$20\text{ m}$
<i>pH of pumped fluid</i>	$6 \div 10$
<i>Max. density of pumped fluid</i>	$1,1\text{ Kg/dm}^3$
<i>Net supply tensions</i>	<i>-Single-phase</i> $230V \pm 6\%$ <i>-Three-phase</i> $400V \pm 10\%$
<i>The electric pump generates an acoustic pressure level of less than</i> $70\text{ dB}$	



---

Il costruttore si riserva il diritto di modificare le caratteristiche tecniche senza preavviso.

---

*The manufacturer reserves the right to modify the technical features without previous notice.*

14		
13		
12		
11		
10		
9		25
8	20	50
7	50	80
6	80	110
5	110	130
4	130	155
3	150	175
2	170	195
1	190	215
<i>m</i>	l/min	l/min

**Q**= Portata - *Capacity*  
**H**= Prevalenza - *Head*

## **II - Prevalenza - Head**

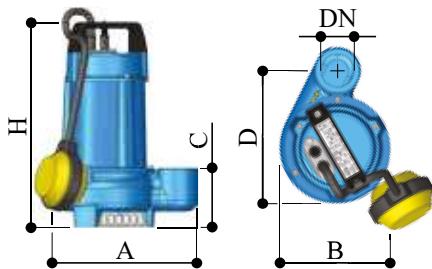
## Dati tecnici - Technical data      50 Hz.

Curva Curve	Codice Code	Elettropompa Electric Pump	Galleggiante Float switch	P2 HP	kW	Volts	In A	$\mu$ F	Poli Poles	l/min	Cavo Cable
①	ES.01.701	TOP HYDRA 1 M	NO	0,4	0,3	1 ~ 230	2,2	8	2	2850	3 x 1 mm <sup>2</sup> - 5 m
	ES.01.702	TOP HYDRA 1 MG	SI ELET-MEC.			3 ~ 400	0,85	-			4 x 1 mm <sup>2</sup> - 5 m
	ES.01.702R	TOP HYDRA 1 MGR	SI MAGNETICO								3 x 1 mm <sup>2</sup> - 5 m
	ES.01.717	TOP HYDRA 1 T	-								4 x 1 mm <sup>2</sup> - 5 m
②	ES.01.703	TOP HYDRA 2 M	NO	0,5	0,37	1 ~ 230	2,7	10			3 x 1 mm <sup>2</sup> - 5 m
	ES.01.704	TOP HYDRA 2 MG	SI ELET-MEC.			3 ~ 400	1	-			4 x 1 mm <sup>2</sup> - 5 m
	ES.01.704R	TOP HYDRA 2 MGR	SI MAGNETICO								
	ES.01.718	TOP HYDRA 2 T	-								

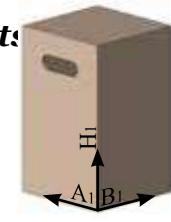
1 ~ 230 Volts = Monofase / Single-phase - 3 ~ 400 Volts = Trifase / Three-phase

P2 = Potenza resa dal motore / Power rated by the motor

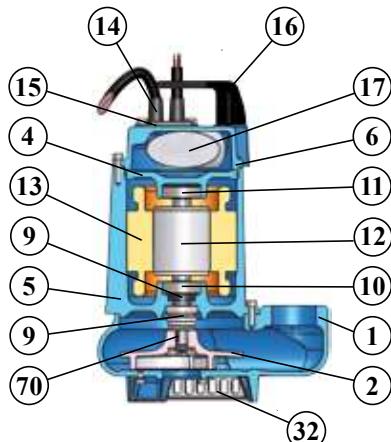
### Dimensioni di ingombro e pesi - Overall dimensions and weights



Elettropompa Electric Pump	DN (inch)	H	A	B	C	D	H <sub>1</sub>	A <sub>1</sub>	B <sub>1</sub>	Kg.
TOP HYDRA 1	1" 1/4	263	190	135	78	160	310	200	180	10
TOP HYDRA 2										10,5



### Costruzione - Construction



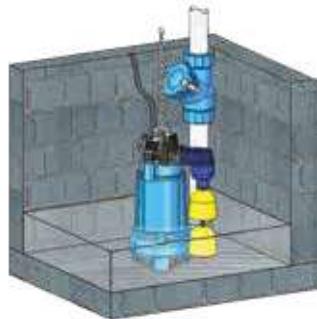
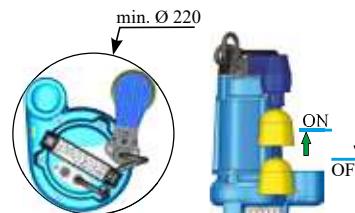
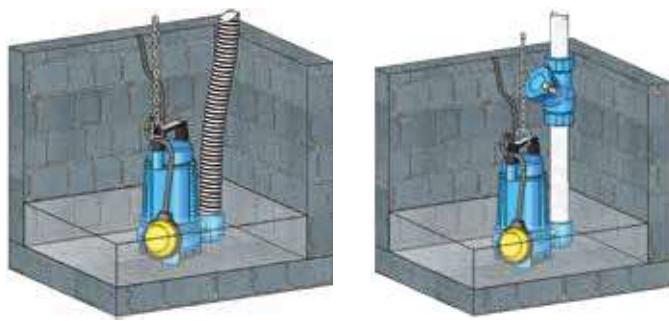
Pos.	Descrizione	Description
1	Corpo pompa GG 25	Pump body GG 25
2	Girante multicanale aperta a rasamento GG 25	Open multi-vane fully submerged impeller GG 25
4	Flangia portacuscinetto GG 25	Flange intermedia GG 25
5	Cassa motore GG 25	Motor casing GG 25
6	Coperchio del motore GG 25	Cover for motor casing GG 25
7	Tenuta meccanica carburo di silicio + allumina	Mechanical seal on silicon carbide + alumina
9	Tenuta a labbro	Lip seal nitrile
10	Cuscinetto inferiore	Lower ball bearing
11	Cuscinetto superiore	Upper ball bearing
12	Albero motore AISI 420 + rotore	Rotor + shaft AISI 420
13	Stator	Stator
14	Passacavo NBR	Chock NBR
15	Pressacavo INOX 316	Cable entry nut INOX 316
16	Maniglia in nylon	Handle
17	Condensatore (solo Monofase 1~230 Volts)	Capacitor (only Single-phase 1~230 Volts)
25	Griglia in INOX 316	Grid AISI 316
70	Linguetta	Key

**Installazione:** mobile Fig. B; fissa Fig. C  
**Installation:** trasportabile Fig. B; fixed Fig. C

### TOP HYDRA 1-2 MGR

Il galleggiante magnetico permette alla pompa di lavorare in pozzi piccoli dove il galleggiante eletromecanico non avrebbe spazio per svolgere il suo funzionamento. Impiego anche con acque sporche previa pulizia periodica.

*The magnetic float allows the pump to work in small wells where the electromechanical float does not have the space to do its work. Used with dirty water by providing a regular cleaning.*





- Ingombri al minimo con il galleggiante magnetico
- Dimensions to a minimum with magnetic float switch



 ENG

## **Features and applications**

*TOP HYDRA* submersible electric pump have been designed for all domestic uses such as draining basements, watering orchards and gardens and in general, fountains, for pumping any type of clean or slightly turbid liquid.

*umping any type of clean or slightly turbid liquid. Well designed construction and small size make the pump easily portable without sacrificing reliability.*

The overall result is a pump which offers a long working life with little and simple maintenance needs. The special construction ensures long life, with limited and easy maintenance also the outlet vertical, encourages its use in wells of limited size. Motor asynchronous squirrel cage type in dielectric anti-oxide oil bath, protection degree IP 68 and insulation class F. Single-phase feeding with incorporated motor protector and with built in capacitor and the three-phase feeding with compulsory protection to be provided by the user. Motor housing Cast iron GG 25, shaft stainless steel AISI 420, electric cable neoprene H07RN8-F oil resistant, bolt A2 class AISI 304, O.ring and lip seal mechanical seal on silicon carbide + allumina.

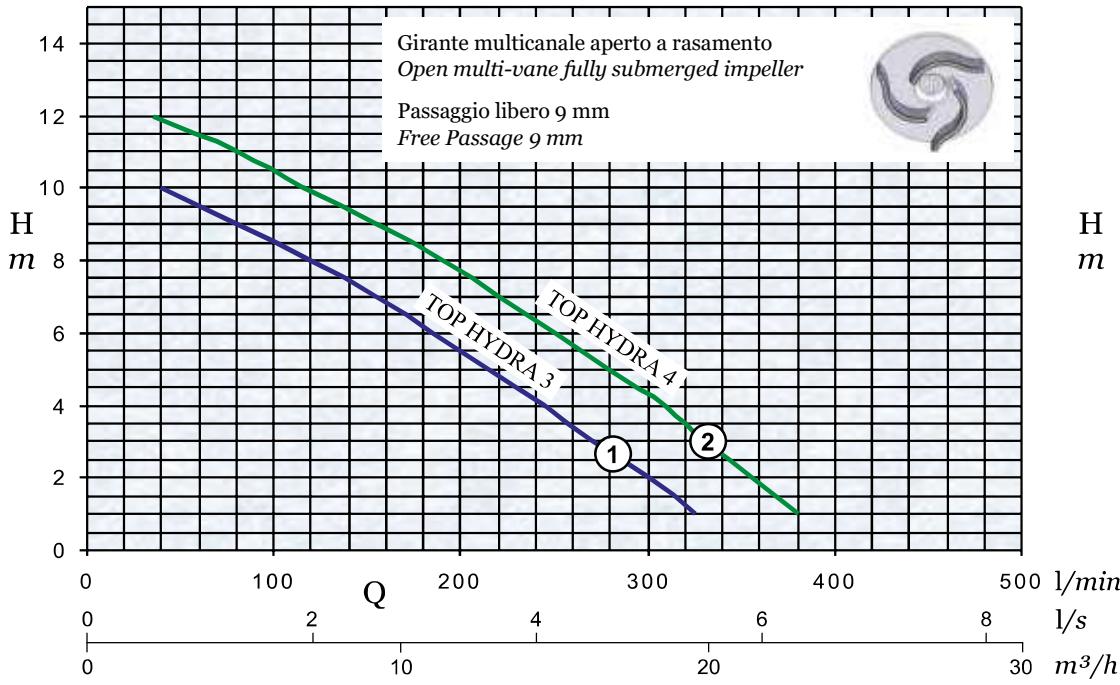
## **Limiti di impiego**

Temperatura Max. del liquido pompato	40°C
Massima profondità di immersione	20 m
PH del liquido pompato	6 ÷ 10
Massima densità liquido pompato	1,1 Kg/dm <sup>3</sup>
Tensione di alimentazione -Monofase 230V ±6%	-Trifase 400V ±10%
L'elettropompa genera un livello di pressione acustica inferiore a 70 dB	

## *Operating limits*

<i>Max. temperature of pumped fluid</i>	$40^{\circ}\text{C}$
<i>Max. immersion depth</i>	$20\text{ m}$
<i>pH of pumped fluid</i>	$6 \div 10$
<i>Max. density of pumped fluid</i>	$1,1\text{ Kg/dm}^3$
<i>Net supply tensions</i>	<i>-Single-phase</i> $230V \pm 6\%$ <i>-Three-phase</i> $400V \pm 10\%$
<i>The electric pump generates an acoustic pressure level of less than</i> $70\text{ dB}$	

## **Curva caratteristica - *Performance curve***



<i>l4</i>		
<i>l3</i>		
<i>l2</i>		35
<i>l1</i>		80
<i>l0</i>	40	115
<i>l9</i>	80	155
<i>l8</i>	120	190
<i>l7</i>	155	220
<i>l6</i>	185	250
<i>l5</i>	215	280
<i>l4</i>	245	310
<i>l3</i>	270	330
<i>l2</i>	300	355
<i>l1</i>	325	380
<i>m</i>	l/min	l/min
	(1)	(2)

$\Omega$  = Portata - Capacity

H = Brevalenza Head

## II= Prevalenza - Head

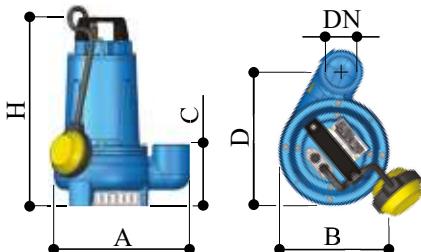
## Dati tecnici - Technical data 50 Hz.

Curva Curve	Codice Code	Elettropompa Electric Pump	Galleggiante Float switch	P2 HP	kW	Volts	In A	$\mu F$	Poli Poles	l/min	Cavo Cable
①	ES.01.705	TOP HYDRA 3 M	NO	0,8	0,6	1 ~ 230	4,3	16	2	2850	3 x 1 mm <sup>2</sup> - 10 m
	ES.01.706	TOP HYDRA 3 MG	SI ELET-MEC.			3 ~ 400	1,5	-			4 x 1 mm <sup>2</sup> - 10 m
	ES.01.706R	TOP HYDRA 3 MGR	SI MAGNETICO								
	ES.01.719	TOP HYDRA 3 T	NO								
	ES.01.769	TOP HYDRA 3 TG	SI ELET-MEC.								
②	ES.01.707	TOP HYDRA 4 M	NO	1	0,75	1 ~ 230	4,8	20	2	2850	3 x 1 mm <sup>2</sup> - 10 m
	ES.01.708	TOP HYDRA 4 MG	SI ELET-MEC.			3 ~ 400	1,9	-			4 x 1 mm <sup>2</sup> - 10 m
	ES.01.708R	TOP HYDRA 4 MGR	SI MAGNETICO								
	ES.01.719	TOP HYDRA 4 T	NO								
	ES.01.770	TOP HYDRA 4 TG	SI ELET-MEC.								

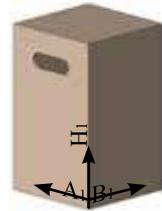
1 ~ 230 Volts = Monofase / Single-phase - 3 ~ 400 Volts = Trifase / Three-phase

P<sub>2</sub> = Potenza resa dal motore / Power rated by the motor

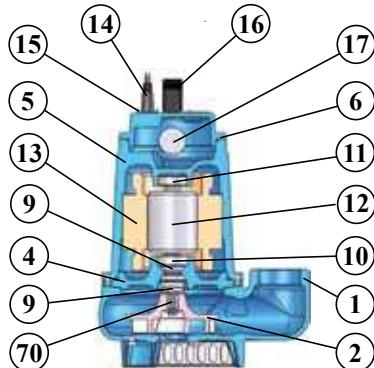
### Dimensioni di ingombro e pesi - Overall dimensions and weights



Elettropompa Electric Pump	DN (inch)	H	A	B	C	D	H <sub>1</sub>	A <sub>1</sub>	B <sub>1</sub>	Kg.
TOP HYDRA 3	1" 1/2	317	230	164	104	197	380	250	200	14
TOP HYDRA 4										15



### Costruzione - Construction



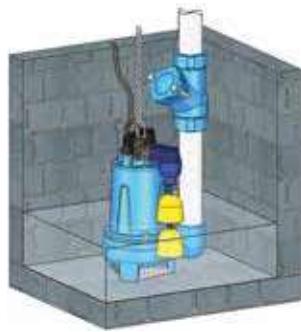
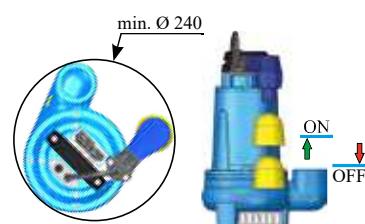
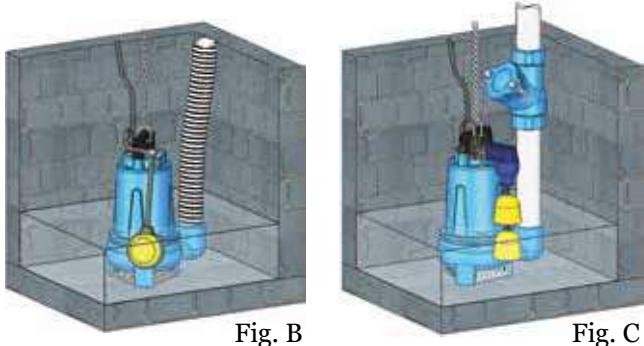
Pos.	Descrizione	Description
1	Corpo pompa GG 25	Pump body GG 25
2	Girante multicanale aperta a rasamento GG 25	Open multi-vane fully submerged impeller GG 25
4	Flangia portacuscinetto GG 25	Flange intermedia GG 25
5	Cassa motore GG 25	Motor casing GG 25
6	Coperchio del motore GG 25	Cover for motor casing GG 25
7	Tenuta meccanica carburo di silicio + allumina	Mechanical seal on silicon carbide + allumina
9	Tenuta a labbro	Lip seal nitrile
10	Cuscinetto inferiore	Lower ball bearing
11	Cuscinetto superiore	Upper ball bearing
12	Albero motore AISI 420 + rotore	Rotor + shaft AISI 420
13	Stator	Stator
14	Passacavo NBR	Chock NBR
15	Pressacavo INOX 316	Cable entry nut INOX 316
16	Maniglia in nylon	Handle
17	Condensatore (solo Monofase 1~230 Volts)	Capacitor (only Single-phase 1~230 Volts)
25	Griglia in INOX 316	Grid AISI 316
70	Linguetta	Key

### TOP HYDRA 3-4 MGR

**Installazione:** mobile Fig. B; fissa Fig. C  
**Installation:** trasportable Fig. B; fixed Fig. C

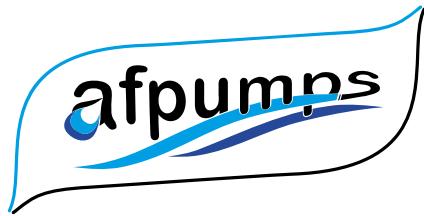
Il galleggiante magnetico permette alla pompa di lavorare in pozzi piccoli dove il galleggiante eletromecanico non avrebbe spazio per svolgere il suo funzionamento. Impiego anche con acque sporche previa pulizia periodica.

The magnetic float allows the pump to work in small wells where the electromechanical float does not have the space to do its work. Used with dirty water by providing a regular cleaning.



Il costruttore si riserva il diritto di modificare le caratteristiche tecniche senza preavviso.

The manufacturer reserves the right to modify the technical features without previous notice.



# Serie TOP HYDRA 5-6

2850 l/min 50 Hz.

Mandata 2"

Data 01/05/19  
Mod. E



Per acque chiare o leggermente sporche, con girante multicanale aperto a rasamento + griglia inox.

For clear or slightly dirty water, open multi-vane fully submerged impeller + inox grid.



ITA

## Caratteristiche ed impieghi

Le elettropompe TOP HYDRA sono state appositamente studiate per tutti gli impieghi dell'utenza domestica, quali prosciugamento di locali intirati, fontane, irrigazione di orti e giardini o per generico travaso di liquidi chiari o leggermente torbidi. Curando la costruzione e contenendo le dimensioni si è favorita la maneggevolezza non rinunciando nel contempo all'affidabilità. La particolare costruzione garantisce una lunga durata, con limitata e semplice manutenzione inoltre avendo la manda in verticale, ne favorisce l'impiego in pozzi di limitate dimensioni. Motore elettrico asincrono a gabbia di scoiattolo in bagno d'olio atossico, protezione IP 68, isolamento in classe F. Versione monofase con motoprotettore incorporato e con il condensatore posizionato sotto al coperchio mentre nella versione trifase la protezione è a carico dell'utente. Fusioni principali in GG 25, albero AISI 420, cavo neoprene H07RN8-F oil resistant, viteria AISI 304, O.Rings e tenuta a labbro in nitrile, tenuta meccanica in carburo di silicio + allumina.



- Ingombri al minimo con il galleggiante magnetico

- Dimensions to a minimum with magnetic float switch



## Limiti di impiego

Temperatura Max. del liquido pompato	40°C
Massima profondità di immersione	20 m
PH del liquido pompato	6 ÷ 10
Massima densità liquido pompato	1,1 Kg/dm <sup>3</sup>
Tensione di alimentazione -Monofase 230V ±6% -Trifase 400V ±10%	
L'elettropompa genera un livello di pressione acustica inferiore a 70 dB	

*TOP HYDRA submersible electric pump have been designed for all domestic uses such as draining basements, watering orchards and gardens and in general, fountains, for pumping any type of clean or slightly turbid liquid.*

*Well designed construction and small size make the pump easily portable without sacrificing reliability.*

*The overall result is a pump which offers a long working life with little and simple maintenance needs. The special construction ensures long life, with limited and easy maintenance also the outlet vertical, encourages its use in wells of limited size. Motor asynchronous squirrel cage type in dielectric anti-oxide oil bath, protection degree IP 68 and insulation class F. Single-phase feeding with incorporated motor protector and with built in capacitor and the three-phase feeding with compulsory protection to be provided by the user. Motor housing Cast iron GG 25, shaft stainless steel AISI 420, electric cable neoprene H07RN8-F oil resistant, bolt A2 class AISI 304, O.ring and lip seal nitrile, mechanical seal on silicon carbide + alumina.*

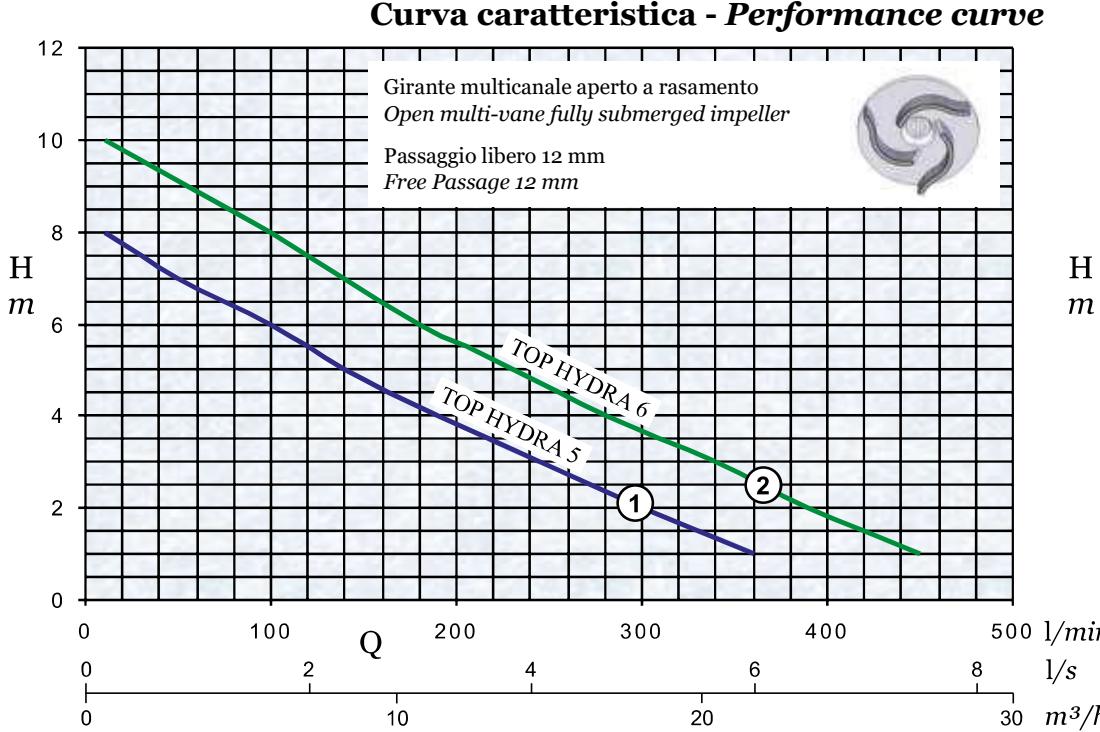


ENG

## Features and applications

## Operating limits

Max. temperature of pumped fluid	40°C
Max. immersion depth	20 m
PH of pumped fluid	6 ÷ 10
Max. density of pumped fluid	1,1 Kg/dm <sup>3</sup>
Net supply tensions -Single-phase 230V ±6% -Three-phase 400V ±10%	
The electric pump generates an acoustic pressure level of less than 70 dB	



14		
13		
12		
11		
10	10	10
9	55	
8	100	100
7	140	140
6	180	180
5	230	230
4	280	280
3	340	340
2	390	390
1	450	450
m	l/min	l/min
	(1)	(2)

Q = Portata - Capacity  
H = Prevalenza - Head

Curve secondo UNI/ISO 9906 Livello 2  
Performance as per UNI/ISO 9906 Grade 2

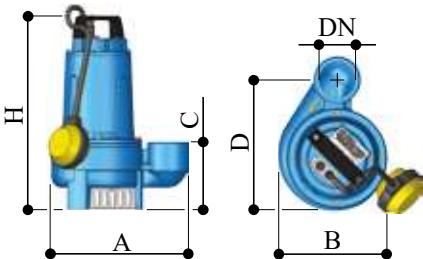
## Dati tecnici - Technical data 50 Hz.

Curva Curve	Codice Code	Elettropompa Electric Pump	Galleggiante Float switch	P2 HP kW	Volts	In A	$\mu F$	Poli Poles	l/min	Cavo Cable		
①	ES.01.709	TOP HYDRA 5 M	NO	0,8	1 ~ 230 3 ~ 400	4,3	16	2	2850	3 x 1 mm <sup>2</sup> - 10 m		
	ES.01.710	TOP HYDRA 5 MG	SI ELET-MEC.							4 x 1 mm <sup>2</sup> - 10 m		
	ES.01.710R	TOP HYDRA 5 MGR	SI MAGNETICO							4 x 1 mm <sup>2</sup> - 10 m		
	ES.01.721	TOP HYDRA 5 T	NO	1	1 ~ 230 3 ~ 400	1,5	-			3 x 1 mm <sup>2</sup> - 10 m		
	ES.01.771	TOP HYDRA 5 TG	SI ELET-MEC.							4 x 1 mm <sup>2</sup> - 10 m		
②	ES.01.711	TOP HYDRA 6 M	NO	1	1 ~ 230 3 ~ 400	4,8	20			3 x 1 mm <sup>2</sup> - 10 m		
	ES.01.712	TOP HYDRA 6 MG	SI ELET-MEC.							4 x 1 mm <sup>2</sup> - 10 m		
	ES.01.712R	TOP HYDRA 6 MGR	SI MAGNETICO							4 x 1 mm <sup>2</sup> - 10 m		
	ES.01.722	TOP HYDRA 6 T	NO							3 x 1 mm <sup>2</sup> - 10 m		
	ES.01.772	TOP HYDRA 6 TG	SI ELET-MEC.							4 x 1 mm <sup>2</sup> - 10 m		

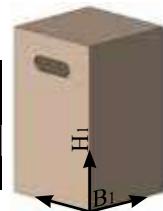
1 ~ 230 Volts = Monofase / Single-phase - 3 ~ 400 Volts = Trifase / Three-phase

P<sub>2</sub> = Potenza resa dal motore / Power rated by the motor

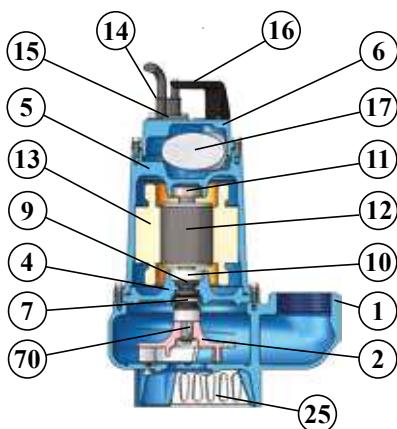
### Dimensioni di ingombro e pesi - Overall dimensions and weights



Elettropompa Electric Pump	DN (inch)	H	A	B	C	D	H <sub>1</sub>	A <sub>1</sub>	B <sub>1</sub>	Kg.
TOP HYDRA 5	2"	345	257	170	118	130	380	250	200	15,5
TOP HYDRA 6										16,5

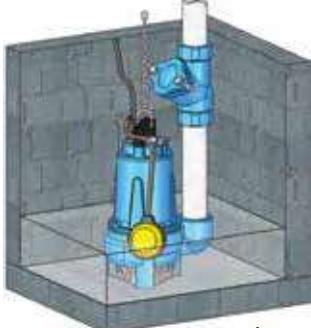
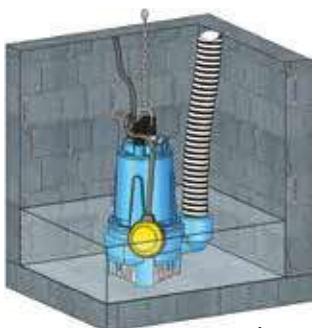


### Costruzione - Construction



Pos.	Descrizione	Description
1	Corpo pompa GG 25	Pump body GG 25
2	Girante multicanale aperta a rasamento GG 25	Open multi-vane fully submerged impeller GG 25
4	Flangia portacuscinetto GG 25	Flange intermedi GG 25
5	Cassa motore GG 25	Motor casing GG 25
6	Coperchio del motore GG 25	Cover for motor casing GG 25
7	Tenuta meccanica carburo di silicio + allumina	Mechanical seal on silicon carbide + alumina
9	Tenuta a labbro	Lip seal nitrile
10	Cuscinetto inferiore	Lower ball bearing
11	Cuscinetto superiore	Upper ball bearing
12	Albero motore AISI 420 + rotore	Rotor + shaft AISI 420
13	Stator	Stator
14	Passacavo NBR	Chock NBR
15	Pressacavo INOX 316	Cable entry nut INOX 316
16	Maniglia in nylon	Handle
17	Condensatore (solo Monofase 1~230 Volts)	Capacitor (only Single-phase 1~230 Volts)
25	Griglia in INOX 316	Grid AISI 316
70	Linguetta	Key

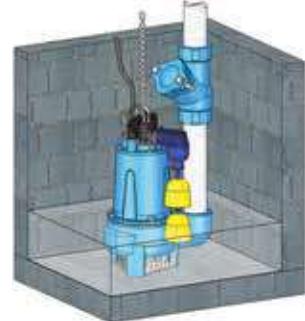
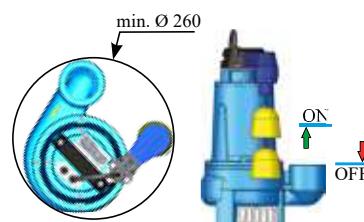
**Installazione:** mobile Fig. B; fissa Fig. C  
**Installation:** trasportable Fig. B; fixed Fig. C



### TOP HYDRA 5-6 MGR

Il galleggiante magnetico permette alla pompa di lavorare in pozzetti piccoli dove il galleggiante elettromeccanico non avrebbe spazio per svolgere il suo funzionamento. Impiego anche con acque sporche previa pulizia periodica.

The magnetic float allows the pump to work in small wells where the electromechanical float does not have the space to do its work. Used with dirty water by providing a regular cleaning.



Per acque chiare o leggermente sporche, con girante multicanale aperto a rasamento + griglia inox.

For clear or slightly dirty water, open multi-vane fully submerged impeller + inox grid.



ITA

**Caratteristiche ed impieghi**

Le elettropompe TOP HYDRA sono state appositamente studiate per tutti gli impieghi dell'utenza domestica, quali prosciugamento di locali intirati, fontane, irrigazione di orti e giardini o per generico travaso di liquidi chiari o leggermente torbidi. Curando la costruzione e contenendo le dimensioni si è favorita la maneggevolezza non rinunciando nel contempo all'affidabilità. La particolare costruzione garantisce una lunga durata, con limitata e semplice manutenzione inoltre avendo la mandata in verticale, ne favorisce l'impiego in pozzi di limitate dimensioni. Motore elettrico asincrono a gabbia di scoiattolo in bagno d'olio atossico, protezione IP 68, isolamento in classe F.

Versione monofase: 1,5 HP con motoprotettore e condensatore incorporati, 2 HP in un quadretto elettrico esterno. Versione trifase: protezione a carico dell'utente. Fusioni principali in GG 25, albero AISI 420, cavo neoprene H07RN8-F oil resistant, viteria AISI 304, O.Rings e tenuta a labbro in nitrile, tenuta meccanica in carburo di silicio + allumina.



ENG

**Features and applications**

*TOP HYDRA submersible electric pump have been designed for all domestic uses such as draining basements, watering orchards and gardens and in general, fountains, for pumping any type of clean or slightly turbid liquid.*

*Well designed construction and small size make the pump easily portable without sacrificing reliability.*

*The overall result is a pump which offers a long working life with little and simple maintenance needs. The special construction ensures long life, with limited and easy maintenance also the outlet vertical, encourages its use in wells of limited size. Motor asynchronous squirrel cage type in dielectric anti-oxide oil bath, protection degree IP 68 and insulation class F.*

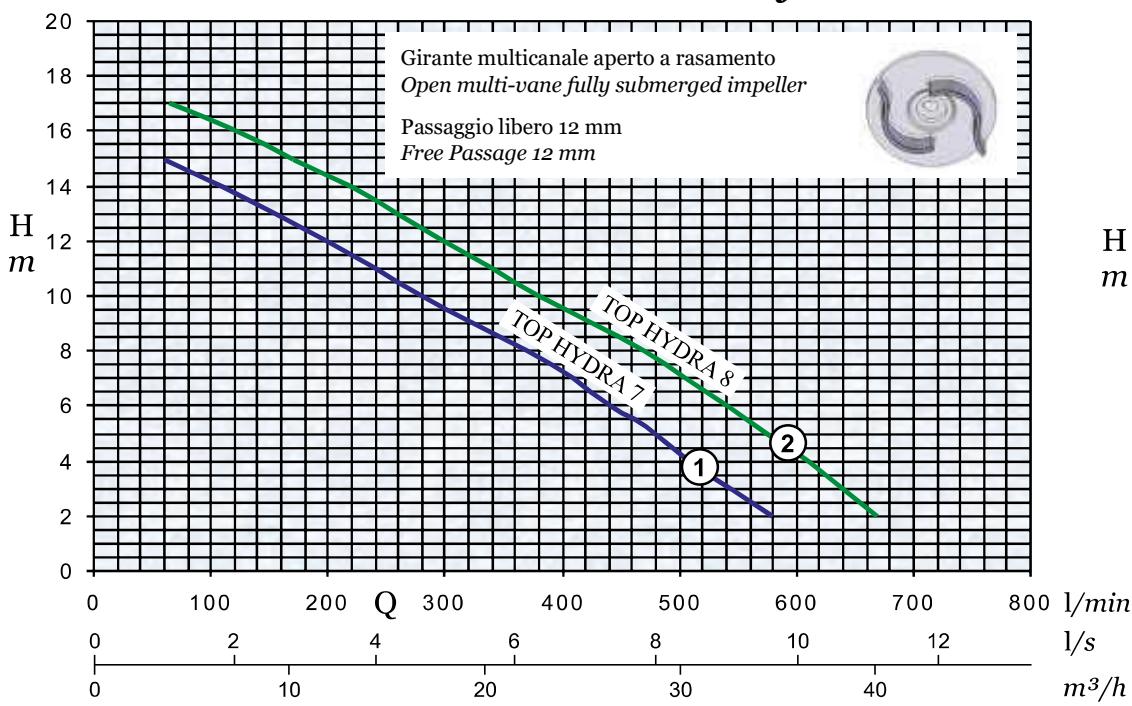
*Single-phase feeding: 1,5 HP with incorporated motor protector and with built in capacitor; 2 HP with box control. The three-phase feeding with compulsory protection to be provided by the user. Motor housing Cast iron GG 25, shaft stainless steel AISI 420, electric cable neoprene H07RN8-F oil resistant, bolt A2 class AISI 304, O.ring and lip seal nitrile, mechanical seal on silicon carbide + allumina.*

**Limiti di impiego**

Temperatura Max. del liquido pompato	40°C
Massima profondità di immersione	20 m
PH del liquido pompato	6 ÷ 10
Massima densità liquido pompato	1,1 Kg/dm <sup>3</sup>
Tensione di alimentazione -Monofase 230V ±6% -Trifase 400V ±10%	
L'elettropompa genera un livello di pressione acustica inferiore a 70 dB	

**Operating limits**

Max. temperature of pumped fluid	40°C
Max. immersion depth	20 m
PH of pumped fluid	6 ÷ 10
Max. density of pumped fluid	1,1 Kg/dm <sup>3</sup>
Net supply tensions -Single-phase 230V ±6% -Three-phase 400V ±10%	
The electric pump generates an acoustic pressure level of less than 70 dB	

**Curva caratteristica - Performance curve**

18		
17		65
16		120
15	60	170
14	110	220
13	155	260
12	200	300
11	240	340
10	280	380
9	325	425
8	370	470
7	410	505
6	440	540
5	480	575
4	510	610
3	545	640
2	580	670
1	-	-
m	l/min	l/min
(1)		(2)

Q = Portata - Capacity  
H = Prevalenza - Head

Curve secondo UNI/ISO 9906 Livello 2  
Performance as per UNI/ISO 9906 Grade 2

## Dati tecnici - Technical data 50 Hz.

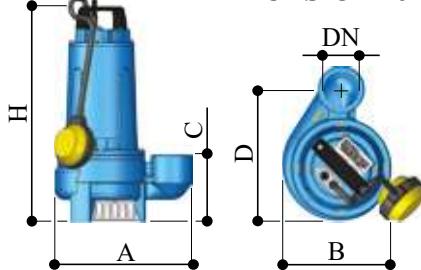
Curva Curve	Codice Code	Elettropompa Electric Pump	Galleggiante Float switch	P2 HP kW	Volts	In A	$\mu$ F	Poli Poles	I/min	Cavo Cable
①	ES.01.713	TOP HYDRA 7 M	NO	1,5	1,1	1 ~ 230	8,4	30	2	3 x 1 mm <sup>2</sup> - 10 m
	ES.01.813	TOP HYDRA 7 MG	SI ELET-MEC.			3 ~ 400	2,8	-		
	ES.01.723	TOP HYDRA 7 T	NO							
	ES.01.773	TOP HYDRA 7 TG	SI ELET-MEC.							
②	ES.01.714	TOP HYDRA 8 M*	NO	2	1,5	1 ~ 230	9,4	40		4 x 1 mm <sup>2</sup> - 10 m
	ES.01.814	TOP HYDRA 8 MG*	SI ELET-MEC.			3 ~ 400	3,6	-		
	ES.01.724	TOP HYDRA 8 T	NO							
	ES.01.774	TOP HYDRA 8 TG	SI ELET-MEC.							

1 ~ 230 Volts = Monofase / Single-phase - 3 ~ 400 Volts = Trifase / Three-phase

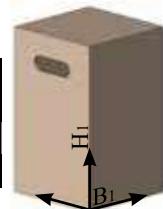
P2 = Potenza resa dal motore / Power rated by the motor

TOP HYDRA 8 M\*/MG\* = Condensatore e motoprotettore in pannello di controllo esterno/starting capacitor and motor protector in the external box control.

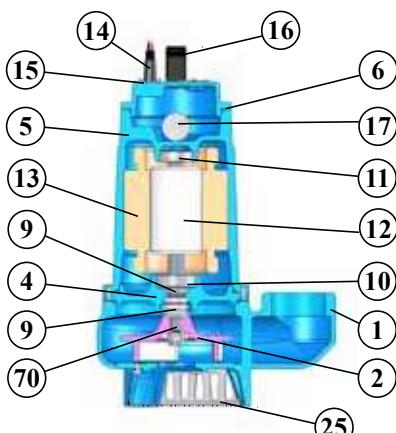
### Dimensioni di ingombro e pesi - Overall dimensions and weights



Elettropompa Electric Pump	DN (inch)	H	A	B	C	D	H <sub>1</sub>	A <sub>1</sub>	B <sub>1</sub>	Kg.
TOP HYDRA 7	2"	379	257	170	118	130	460	250	200	21,5
TOP HYDRA 8										23,5



### Costruzione - Construction



Pos.	Descrizione	Description
1	Corpo pompa GG 25	Pump body GG 25
2	Girante multicanale aperta a rasamento GG 25	Open multi-vane fully submerged impeller GG 25
4	Flangia portacuscinetto GG 25	Flange intermedia GG 25
5	Cassa motore GG 25	Motor casing GG 25
6	Coperchio del motore GG 25	Cover for motor casing GG 25
7	Tenuta meccanica carburo di silicio + allumina	Mechanical seal on silicon carbide + alumina
9	Tenuta a labbro	Lip seal nitrile
10	Cuscinetto inferiore	Lower ball bearing
11	Cuscinetto superiore	Upper ball bearing
12	Albero motore AISI 420 + rotore	Rotor + shaft AISI 420
13	Statore	Stator
14	Passacavo NBR	Chock NBR
15	Pressacavo INOX 316	Cable entry nut INOX 316
16	Maniglia in nylon	Handle
17	Condensatore (solo Monofase 1~230 Volts)	Capacitor (only Single-phase 1~230 Volts)
25	Griglia in INOX 316	Grid AISI 316
70	Linguetta	Key

**Installazione:** mobile Fig. B; fissa Fig. C  
**Installation:** trasportable Fig. B; fixed Fig. C

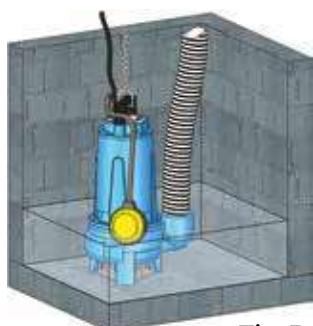


Fig. B

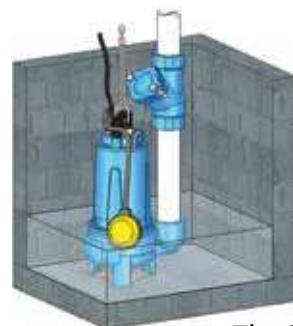


Fig. C



Serie  
**TOP HYDRA**  
**10 - 11**

2850 l/min 50 Hz.

Mandata 1" 1/2

Data 01/05/19  
Mod. E



Per acque chiare o leggermente sporche, con girante multicanale aperto a rasamento + griglia inox.

For clear or slightly dirty water, open multi-vane fully submerged impeller + inox grid.



**ITA**

### Caratteristiche ed impieghi

Le elettropompe TOP HYDRA sono state appositamente studiate per tutti gli impieghi dell'utenza domestica, quali prosciugamento di locali intirati, fontane, irrigazione di orti e giardini o per generico travaso di liquidi chiari o leggermente torbidi. Curando la costruzione e contenendo le dimensioni si è favorita la maneggevolezza non rinunciando nel contempo all'affidabilità. La particolare costruzione garantisce una lunga durata, con limitata e semplice manutenzione inoltre avendo la manda in verticale, ne favorisce l'impiego in pozzi di limitate dimensioni. Motore elettrico asincrono a gabbia di scoiattolo in bagno d'olio atossico, protezione IP 68, isolamento in classe F.

Versione monofase: 1,5 HP con motoprotettore e condensatore incorporati, 2 HP in un quadretto elettrico esterno. Versione trifase: protezione a carico dell'utente. Fusioni principali in GG 25, albero AISI 420, cavo neoprene H07RN8-F oil resistant, viteria AISI 304, O.Rings e tenuta a labbro in nitrile, tenuta meccanica in carburo di silicio + allumina.



**ENG**

### Features and applications

*TOP HYDRA submersible electric pump have been designed for all domestic uses such as draining basements, watering orchards and gardens and in general, fountains, for pumping any type of clean or slightly turbid liquid.*

*Well designed construction and small size make the pump easily portable without sacrificing reliability.*

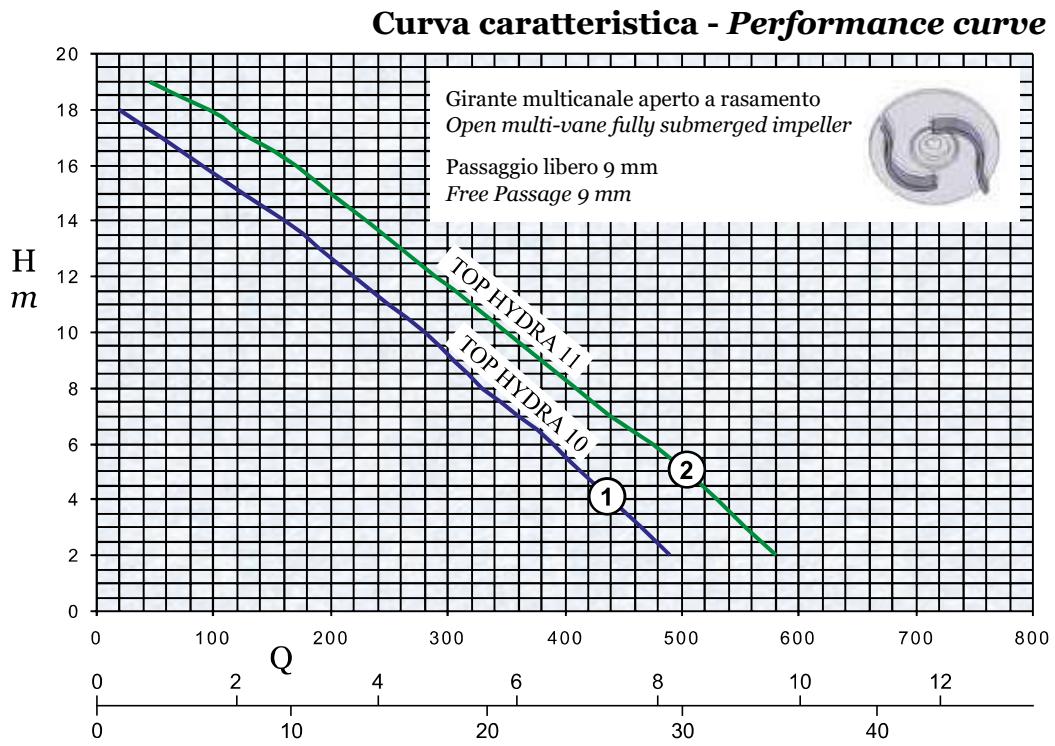
*The overall result is a pump which offers a long working life with little and simple maintenance needs. The special construction ensures long life, with limited and easy maintenance also the outlet vertical, encourages its use in wells of limited size. Motor asynchronous squirrel cage type in dielectric anti-oxide oil bath, protection degree IP 68 and insulation class F.*

*Single-phase feeding: 1,5 HP with incorporated motor protector and with built in capacitor; 2 HP with box control. The three-phase feeding with compulsory protection to be provided by the user. Motor housing Cast iron GG 25, shaft stainless steel AISI 420, electric cable neoprene H07RN8-F oil resistant, bolt A2 class AISI 304, O.ring and lip seal nitrile, mechanical seal on silicon carbide + allumina.*

### Limiti di impiego

Temperatura Max. del liquido pompato	40°C
Massima profondità di immersione	20 m
PH del liquido pompato	6 ÷ 10
Massima densità liquido pompato	1,1 Kg/dm <sup>3</sup>
Tensione di alimentazione -Monofase 230V ±6% -Trifase 400V ±10%	
L'elettropompa genera un livello di pressione acustica inferiore a 70 dB	

Max. temperature of pumped fluid	40°C
Max. immersion depth	20 m
PH of pumped fluid	6 ÷ 10
Max. density of pumped fluid	1,1 Kg/dm <sup>3</sup>
Net supply tensions -Single-phase 230V ±6% -Three-phase 400V ±10%	
The electric pump generates an acoustic pressure level of less than 70 dB	



19		45
18	20	95
17	55	130
16	90	170
15	125	200
14	160	230
13	190	260
12	220	290
11	250	320
10	280	350
9	305	380
8	330	410
7	360	440
6	390	475
5	415	505
4	440	530
3	465	555
2	490	580
m	l/min	l/min
(1)		(2)

**Q = Portata - Capacity**

**H = Prevalenza - Head**

Curves according to UNI/ISO 9906 Levello 2  
Performance as per UNI/ISO 9906 Grade 2

## Dati tecnici - Technical data 50 Hz.

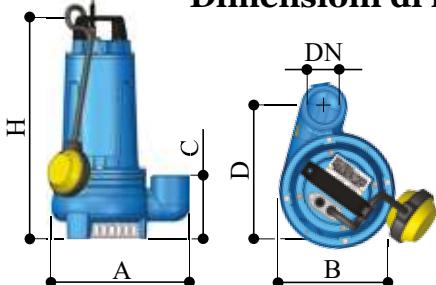
Curva Curve	Codice Code	Elettropompa Electric Pump	Galleggiante Float switch	P2 HP kW	Volts	In A	$\mu$ F	Poli Poles	I/min	Cavo Cable
①	ES.01.715	TOP HYDRA 10 M	NO	1,5	1,1	1 ~ 230	8,4	30	2	3 x 1 mm <sup>2</sup> - 10 m
	ES.01.815	TOP HYDRA 10 MG	SI ELET-MEC.			3 ~ 400	2,8	-		
	ES.01.726	TOP HYDRA 10 T	NO							
	ES.01.776	TOP HYDRA 10 TG	SI ELET-MEC.							
②	ES.01.716	TOP HYDRA 11 M*	NO	2	1,5	1 ~ 230	9,4	40		4 x 1 mm <sup>2</sup> - 10 m
	ES.01.816	TOP HYDRA 11 MG*	SI ELET-MEC.			3 ~ 400	3,6	-		
	ES.01.727	TOP HYDRA 11 T	NO							
	ES.01.777	TOP HYDRA 11 TG	SI ELET-MEC.							

1 ~ 230 Volts = Monofase / Single-phase - 3 ~ 400 Volts = Trifase / Three-phase

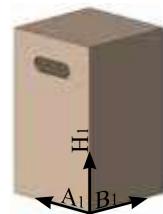
P2 = Potenza resa dal motore / Power rated by the motor

TOP HYDRA 11 M\*/MG\* = Condensatore e motoprotettore in pannello di controllo esterno/starting capacitor and motor protector in the external box control.

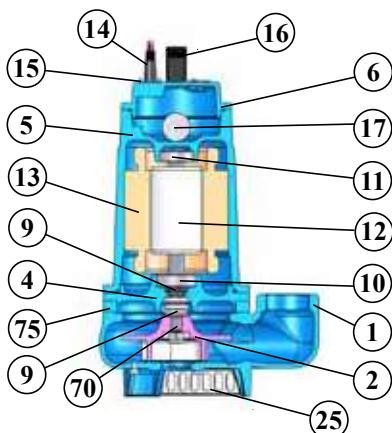
### Dimensioni di ingombro e pesi - Overall dimensions and weights



Elettropompa Electric Pump	DN (inch)	H	A	B	C	D	H <sub>1</sub>	A <sub>1</sub>	B <sub>1</sub>	Kg.
TOP HYDRA 10	1" 1/2	351	230	164	104	197	460	250	200	19
TOP HYDRA 11										21



### Costruzione - Construction



Pos.	Descrizione	Description
1	Corpo pompa GG 25	Pump body GG 25
2	Girante multicanale aperta a rasamento GG 25	Open multi-vane fully submerged impeller GG 25
4	Flangia portacuscinetto GG 25	Flange intermediate GG 25
5	Cassa motore GG 25	Motor casing GG 25
6	Coperchio del motore GG 25	Cover for motor casing GG 25
7	Tenuta meccanica carburo di silicio + allumina	Mechanical seal on silicon carbide + alumina
9	Tenuta a labbro	Lip seal nitrile
10	Cuscinetto inferiore	Lower ball bearing
11	Cuscinetto superiore	Upper ball bearing
12	Albero motore AISI 420 + rotore	Rotor + shaft AISI 420
13	Stator	Stator
14	Passacavo NBR	Chock NBR
15	Pressacavo INOX 316	Cable entry nut INOX 316
16	Maniglia in nylon	Handle
17	Condensatore (solo Monofase 1~230 Volts)	Capacitor (only Single-phase 1~230 Volts)
25	Griglia in INOX 316	Grid AISI 316
70	Linguetta	Key

**Installazione:** mobile Fig. B; fissa Fig. C

**Installation:** trasportabile Fig. B; fixed Fig. C

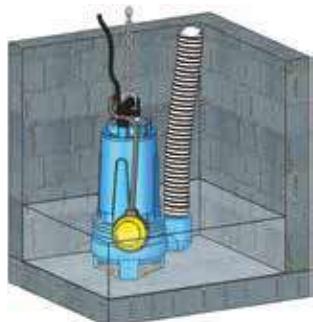


Fig. B

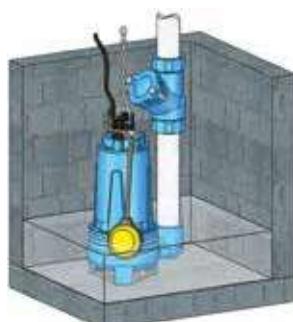


Fig. C