ARVEX/S aisi 316



ELETTROPOMPE SOMMERGIBILI VORTEX E BICANALI PER ACQUE CARICHE E LIQUIDI AGGRESSIVI
SUBMERSIBLE VORTEX AND BICANAL ELECTRIC PUMPS FOR WASTEWATER AND AGGRESSIVE LIQUIDS

PREVALENZA ..... **: 10,5 m ÷ 16,0 m**
PORTATA ..... **: 13,8 m³/h ÷ 42 m³/h**
POTENZA NOMINALE : 0,6 kW (0,8HP) **÷ 2,2 kW** (2HP)
PASSAGGIO SOLIDI FINO A 50 mm.

PUMP HEAD ..... ***: 10,5 mt ÷ 16,0 mt***
DELIVERY. ..... ***: 13,8 m³/h ÷ 42,0 m³/h***
RATED HORSEPOWER : 0,6 kW *(0,8HP)* ***÷ 2,2 kW*** *(2,0HP)*
SOLID MATTER BYPASS up to 50 mm.

APPLICAZIONI

- SVUOTAMENTO DI FOSSE DI DECANTAZIONE, POZZI NERI, POZZI DI RACCOLTA LIQUAMI.
- POMPAGGIO DI ACQUE LURIDE ANCHE CON CORPI SOLIDI IN SOSPENSIONE.
- MOVIMENTAZIONE DI ACQUE LURIDE AD USO DOMESTICO ED INDUSTRIALE.
- POMPAGGIO DI LIQUIDI AGGRESSIVI

APPLICATIONS

- *DECANTATION PIT, SEWAGE PIT AND SLURRY COLLECTION PIT PUMP OUT.*
- *PUMP OUT OF LAVATORY/FOUL WATER WITH POSSIBLE FLOATING SOLIDS CONTENTS.*
- *DOMESTIC AND INDUSTRIAL LAVATORY/BLACK WATER HANDLING SYSTEMS.*
- *PUMPING OF AGGRESSIVE MEDIA.*






CARATTERISTICHE DI COSTRUZIONE:

- ELETTROPOMPA A DOPPIA CAMERA (MOTORE, TENUTA MECCANICA).
- MOTORE A BAGNO D'OLIO (BIODEGRADABILE E DIELETTRICO) PER RAFFREDDAMENTO E LUBRIFICAZIONE CUSCINETTI.
- ANELLO DI TENUTA LATO MOTORE.
- TENUTA MECCANICA A BAGNO D'OLIO.
- IMMERSIONE MASSIMA: mt. 5 .
- GRADO DI PROTEZIONE IP 68 .
- CLASSE DI ISOLAMENTO: F
- TEMPERATURA MAX. LIQUIDO POMPATO:
  25°C con pompa PARZIALMENTE immersa.
  35°C con pompa TOTALMENTE immersa.
- PASSAGGIO LIBERO: 30 mm - ARVEX 80 S.
  50 mm - ARVEX 100 S - 150 S.
- VERSIONI:
  Monofase: 220-277V/50Hz o 220-277V/60Hz con protettore termico incorporato e condensatore permanentemente inserito.
  Trifase: 220-277V/50Hz o 380-480V/50Hz e 220-277V/60Hz o 380-480V/60Hz con protezione da sovraccarico a cura dell'utente.
- VERSIONI MONOFASI AUTOMATICHE CON GALLEGGIANTE O MANUALI SENZA GALLEGGIANTE.
- CAVO STANDARD:
  Monofase:10 metri H05VV-F per versione normale (aut.-man.).
  Trifase: 10 metri H05VV-F.

SPECIALI VOLTAGGI E FREQUENZE A RICHIESTA.

DESIGN ENGINEERING

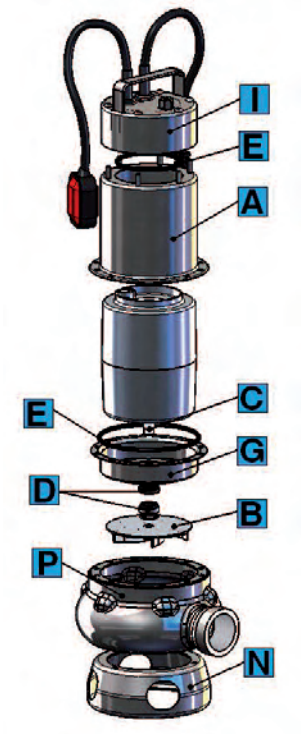
- *DOUBLE CHAMBER ELECTRIC PUMP (MOTOR, MECHANICAL SEAL).*
- *OIL BATH MOTOR (BIODEGRADABLE AND DIELECTRIC) FOR COOLING AND BEARING LUBRICATION.*
- *SEALING RING - ENGINE FACE*
- *OIL BATH MECHANICAL SEALS.*
- *PERMISSIBLE DRAUGHT OF WATER: 5 m.*
- *IP 68 PROTECTION CLASS.*
- *CLASS "F" INSULATION.*
- *MAX. PUMPED LIQUID TEMPERATURE:*
  25°C with PARTIALLY submerged pump.
  35°C with TOTALLY submerged pump.
- *BY PASS SECTION: 30 mm - ARVEX 80 S.*
  50 mm - ARVEX 100 S - 150 S.
- *VERSIONS:*
  Single Phase: 220-277V/50Hz or 220-277V/60 Hz with built in thermal protection and permanent capacitor.
  Three Phase: 220-277V/50Hz or 380-480V/50Hz and 220-277V/60Hz or 380-480V/60Hz with overload protection care of the User.
- *AUTOMATIC SINGLE PHASE VERSIONS WITH FLOATER OR MANUAL WITHOUT FLOATER.*
- *STANDARD CABLE FEATURES:*
  Single Phase:10 metres H05VV-F for the standard version (automatic-manual).
  Three Phase: 10 metres H05VV-F.

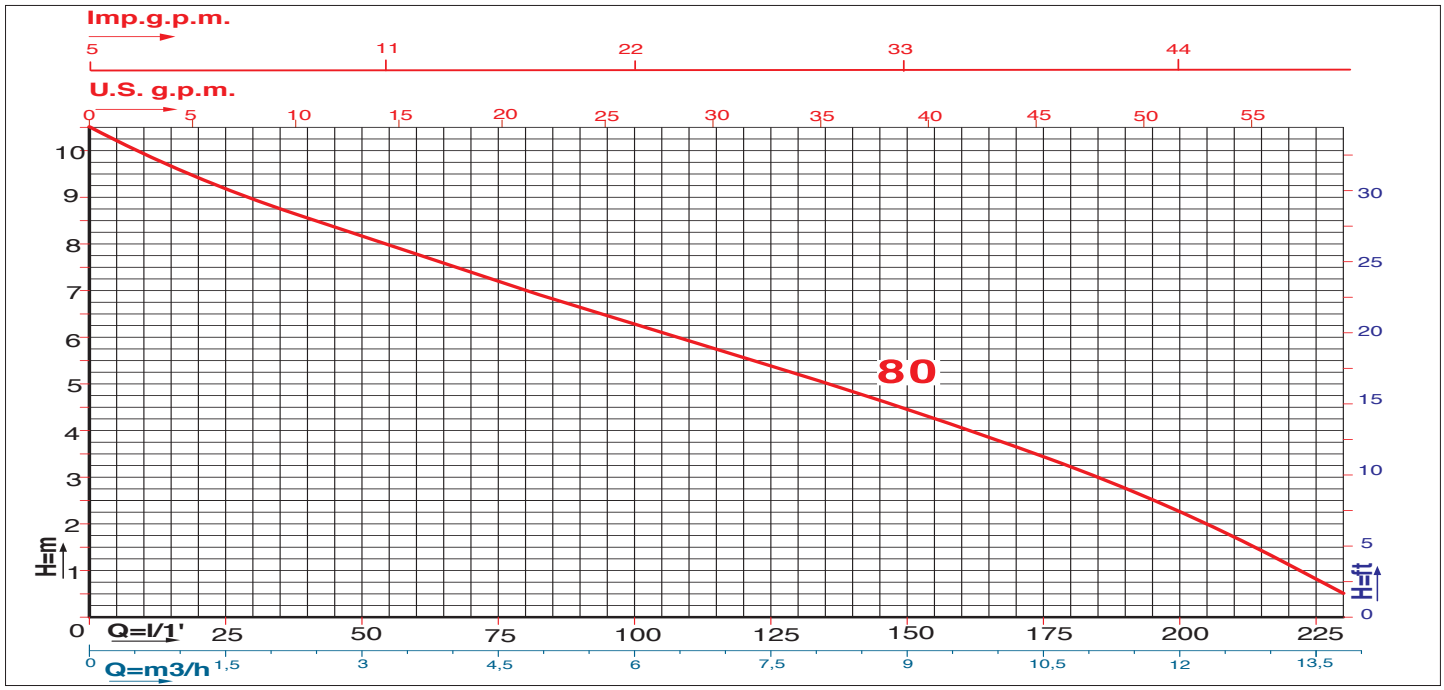
CUSTOMISED VOLTAGE AND FREQUENCY RATING AVAILABLE ON DEMAND.

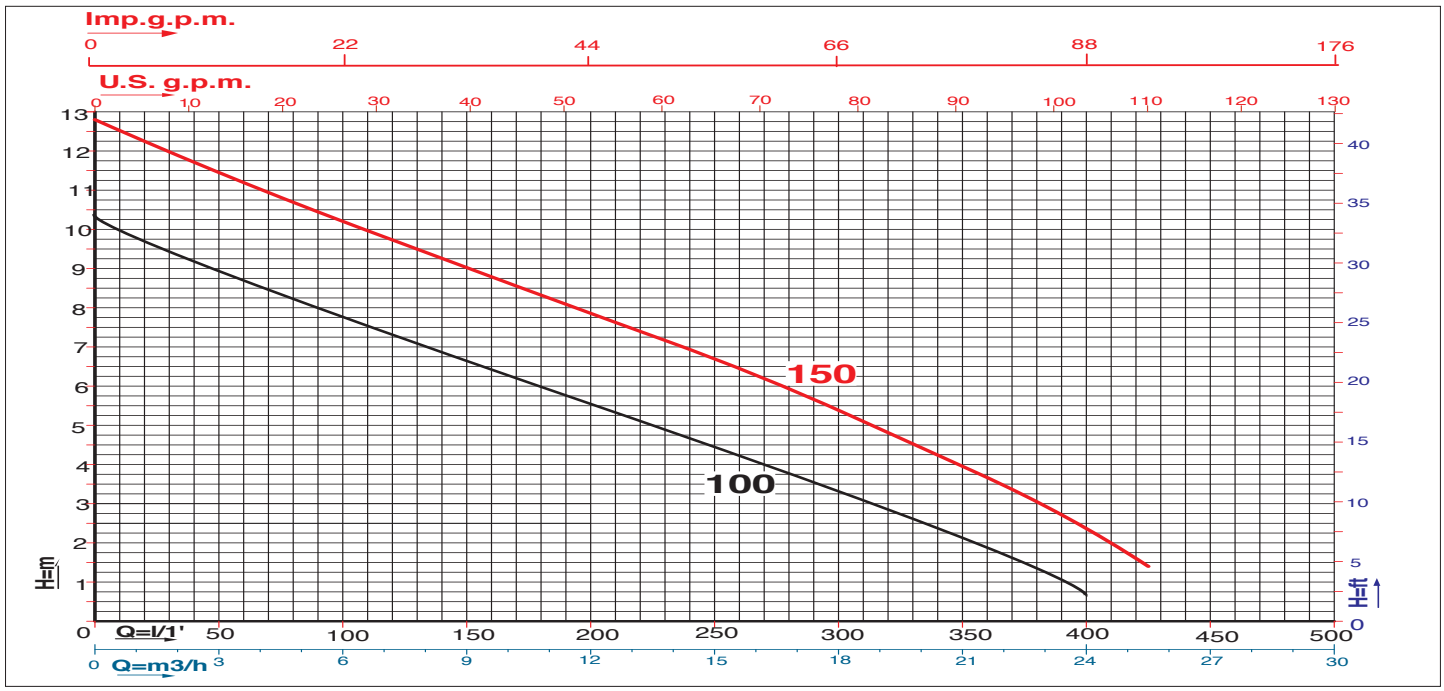
TABELLA MATERIALI / *MATERIALS TABLE:*

Pos.	Componente / *Component*		Materiale / *Materials*
A	Carcassa esterna / *External housing*		ACCIAO INOX AISI 316 DIN 1.4401 *STAINLESS STEEL*
B	Girante / *Impeller*		
C	Albero (lato pompa) / *Shaft (pump side)*		
D	Tenuta meccanica *Mechanical seal*	Lato pompa / *Pump face*	CARBURO DI SILICIO-VITON *SILICON CARBIDE-VITON*
		Lato motore / *Motor face*	ANELLO DI TENUTA NBR *NBR SEAL RING*
E	O-ring		VITON
G	Porta motore / *Motor holder*		ACCIAO INOX AISI 316 DIN 1.4401 *STAINLESS STEEL*
I	Coperchio + maniglia / *Cover + handle*		
N	Base d'appoggio / *Base holder*		
P	Corpo pompa / *Pump body*		

ARVEX 80/S - 100/S - 150/S







Caratteristiche di funzionamento a 2800 rpm 50Hz e 3450 rpm 60Hz - *Performances at 2800 rpm 50 Hz and 3450 rpm 60 Hz*
Le prestazioni valgono per liquidi con densità p = 1,0 kg/dm^3 ed una viscosità v = 1 mm^2/s / *The performance data holds true for liquids with a p = 1,0 kg/dm^3 density and a v= 1 mm^2/s viscosity.*

MODELLO ***MODEL***	**VOLTAGGIO** ***VOLTAGE***	**DATI ELETTRICI / *ELECTRICAL DATA***						**DATI IDRAULICI / *HYDRAULIC DATA***									
		P1 max	**P2** nom.		**I** max	**Condensatore** ***Capacitor***		m^3/h	0	3	6	9	12	13,8	18	24	25,5
	50Hz	kW	kW	HP	Ampere	µF	VC	l/min.	0	50	100	150	200	230	300	400	425
ARVEX/S 80 M	1 x 220-230V	1,1	0,6	0,8	5,0	16	450	**H** (m)	**10,5**	**8,2**	**6,3**	**4,5**	**2,3**	**0,6**			
ARVEX/S 80 T	3 x 220V or 380V	0,9	0,6	0,8	2,1	---	---		**10,5**	**8,2**	**6,3**	**4,5**	**2,3**	**0,6**			
ARVEX/S 100 M	1 x 220-230V	1,5	0,75	1,0	6,5	20	450		**10,5**	**8,6**	**7,6**	**6,6**	**5,4**	**4,4**	**3,2**	**0,6**	
ARVEX/S 100 T	3 x 220V or 380V	1,3	0,75	1,0	2,6	---	---		**10,5**	**8,6**	**7,6**	**6,6**	**5,4**	**4,4**	**3,2**	**0,6**	
ARVEX/S 150 M	1 x 220-230V	2,2	1,1	1,5	9,4	30	450		**13,0**	**11,4**	**10,4**	**9,4**	**8,4**	**7,0**	**5,4**	**2,5**	**1,6**
ARVEX/S 150 T	3 x 220V or 380V	1,9	1,1	1,5	3,4	---	---		**13,0**	**11,4**	**10,4**	**9,4**	**8,4**	**7,0**	**5,4**	**2,5**	**1,6**

PREVALENZA TOTALE in METRI COLONNA ACQUA / TOTAL PUMP HEAD AND WATER COLUMN HEIGHT IN m.

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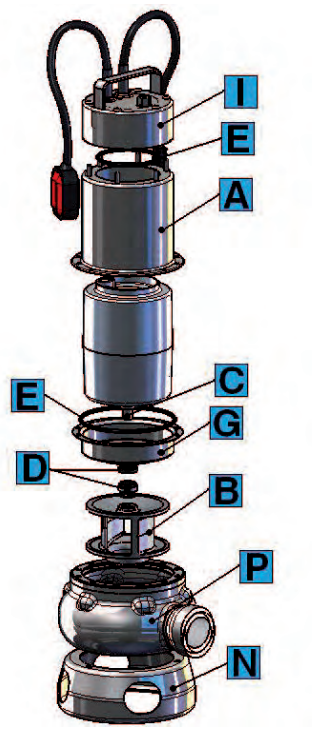
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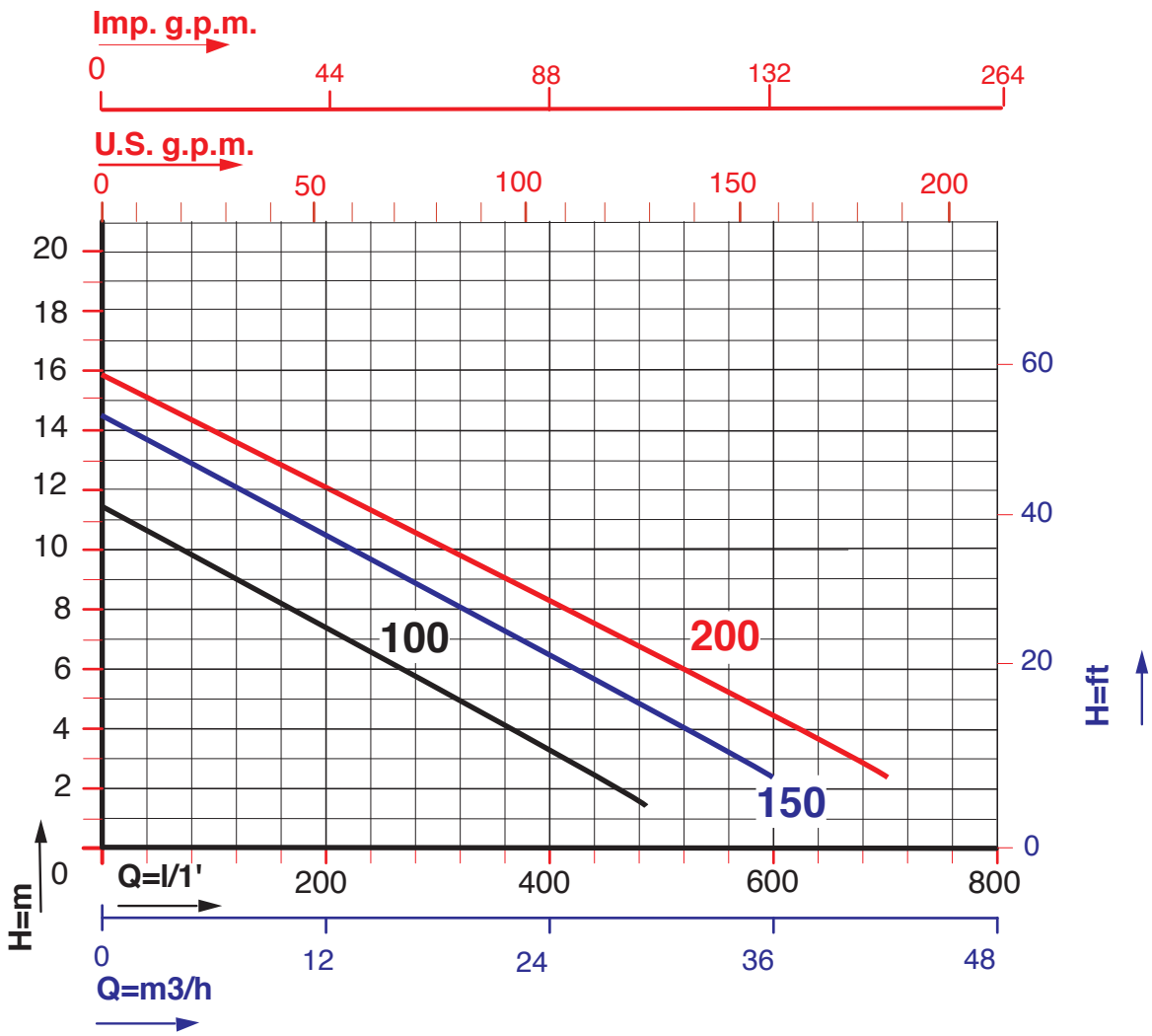
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E	O-ring		VITON
G	Porta motore / *Motor holder*		ACCIAO INOX AISI 316 DIN 1.4401 *STAINLESS STEEL*
I	Coperchio + maniglia / *Cover + handle*		
N	Base d'appoggio / *Base holder*		
P	Corpo pompa / *Pump body*		

ARVEX BC 100/S - 150/S - 200/S



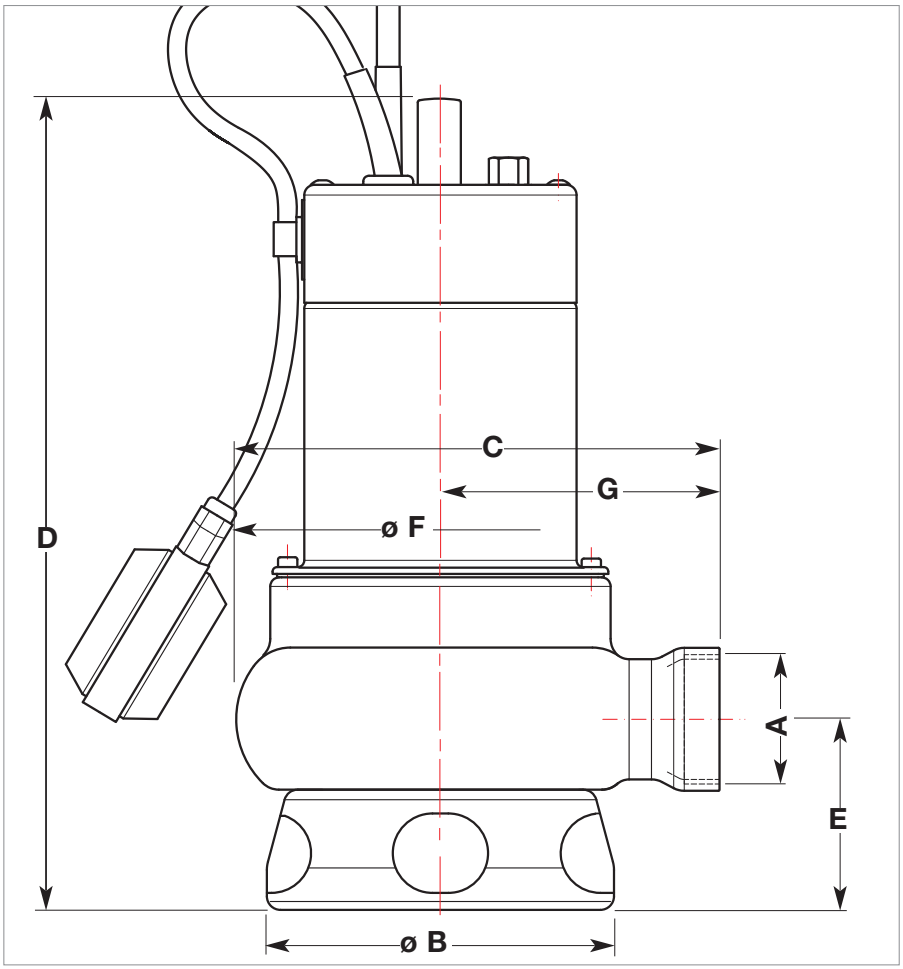


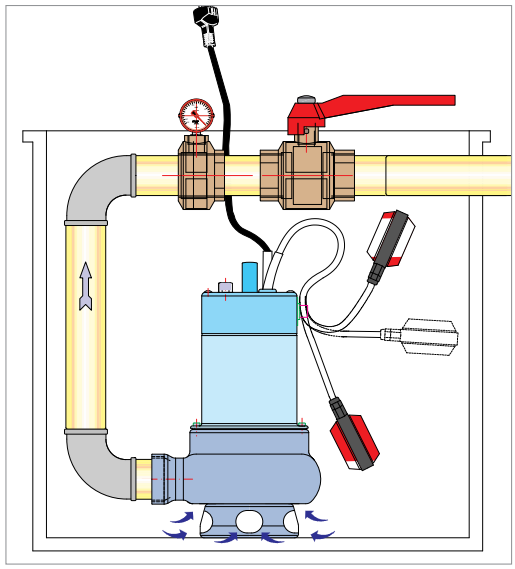
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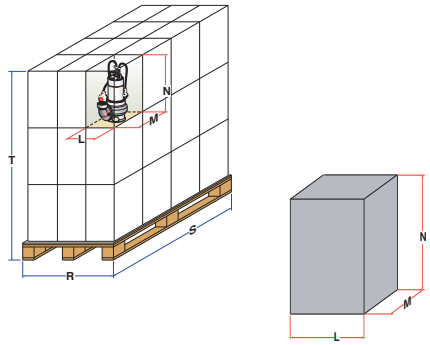
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		P1max	P2 nom.		I max	Condensatore *Capacitor*		m^3/h	0	3	6	12	18	24	30	36	42
	50Hz	kW	kW	HP	Ampere	µF	VC	l/min.	0	50	100	200	300	400	500	600	700
ARVEX/S BC 100 M	1 x 220-230V	1,5	0,75	1,0	7,0	20	450		**11,5**	**10,5**	**9,5**	**7,5**	**5,5**	**3,5**	**1,5**		
ARVEX/S BC 100 T	3 x 380V - 400V	1,3	0,75	1,0	3,2	---	---		**11,5**	**10,5**	**9,5**	**7,5**	**5,5**	**3,5**	**1,5**		
ARVEX/S BC 150 M	1 x 220-230V	2,2	1,1	1,5	11,5	30	450	**H** (m)	**14,5**	**13,5**	**12,5**	**10,5**	**8,5**	**6,5**	**4,5**	**2,5**	
ARVEX/S BC 150 T	3 x 380V - 400V	1,7	1,1	1,5	4,5	---	---		**14,5**	**13,5**	**12,5**	**10,5**	**8,5**	**6,5**	**4,5**	**2,5**	
ARVEX/S BC 200 T	3 x 380V - 400V	2,2	1,5	2,0	4,8	---	---		**16,0**	**14,8**	**14,0**	**12,0**	**10,5**	**8,2**	**6,5**	**4,3**	**2,5**

PREVALENZA TOTALE in METRI COLONNA ACQUA / TOTAL PUMP HEAD AND WATER COLUMN HEIGHT IN m.

DIMENSIONI E PESI / *SIZE AND WEIGHT DATA*:







MODELLO MODEL	**DIMENSIONI POMPA in mm. / *PUMP DIMENSIONS in mm.***						
	A	**B**	**C**	**D**	**E**	**F**	**G**
ARVEX/S 80 M	**2”**	**176**	**214**	**358**	**88**	**180**	**124**
ARVEX/S 80 T	**2”**	**176**	**214**	**358**	**88**	**180**	**124**
ARVEX/S 100 M	**2”**	**176**	**214**	**358**	**88**	**180**	**124**
ARVEX/S 100 T	**2”**	**176**	**214**	**358**	**88**	**180**	**124**
ARVEX/S 150 M	**2”**	**176**	**214**	**398**	**88**	**180**	**124**
ARVEX/S 150 T	**2”**	**176**	**214**	**398**	**88**	**180**	**124**
ARVEX/S BC 100	**2”**	**176**	**214**	**369**	**88**	**180**	**124**
ARVEX/S BC 150	**2”**	**176**	**214**	**409**	**88**	**180**	**124**
ARVEX/S BC 200	**2”**	**176**	**214**	**409**	**88**	**180**	**124**

MODELLO MODEL	**DIMENSIONI SCATOLA / *PACKING DIMENSIONS***				**DIMENSIONI PALLET / *PALLET DIMENSIONS***				
	L mm.	**M** mm.	**N** mm.	**Peso / Weight** Kg.	**R** mm.	**S** mm.	**T** mm.	**nr.** scatole/*cartons*	**Peso / Weight** Kg.
ARVEX/S 80 M	**190**	**230**	**410**	**10,5**	**800**	**1200**	**1360**	**60**	**650**
ARVEX/S 80 T	**190**	**230**	**410**	**10,5**	**800**	**1200**	**1360**	**60**	**650**
ARVEX/S 100 M	**190**	**230**	**410**	**11,5**	**800**	**1200**	**1360**	**60**	**715**
ARVEX/S 100 T	**190**	**230**	**410**	**11,5**	**800**	**1200**	**1360**	**60**	**715**
ARVEX/S 150 M	**190**	**230**	**410**	**13,5**	**800**	**1200**	**1360**	**60**	**835**
ARVEX/S 150 T	**190**	**230**	**410**	**13,5**	**800**	**1200**	**1360**	**60**	**835**
ARVEX/S BC 100	**190**	**230**	**480**	**12,5**	**800**	**1200**	**1570**	**60**	**775**
ARVEX/S BC 150	**190**	**230**	**480**	**14,5**	**800**	**1200**	**1570**	**60**	**895**
ARVEX/S BC 200	**190**	**230**	**480**	**14,5**	**800**	**1200**	**1570**	**60**	**895**