



Fiche produit Motralec Arven ARVEX S Bicanale Aisi 316 English - fiche technique | Motralec

■ **DEMANDE DE PRIX RAPIDE** : <https://www.motralec.com/demandeContact>[www.motralec.com](http://www.motralec.com) / [service-commercial@motralec.com](mailto:service-commercial@motralec.com) / 01.39.97.65.10

Elettropompe sommergibili inox

# ARVEX/S

## Bicanale - aisi 316

**Elettropompe sommergibili bicanali per acque cariche e liquidi aggressivi**

Submersible bicanal electric pumps for waste water and aggressive liquids

**Prevalenza: 11,5 mt ÷ 16,0 mt****Portata: 30,0 m³/h ÷ 42,0 m³/h****Pot. nominale: 0,75 kW (1,0 Hp) ÷ 1,5 kW (2,0 Hp)****Passaggio solidi 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.

**Pump head: 11,5 mt ÷ 16,0 mt****Delivery: 30,0 m³/h ÷ 42,0 m³/h****Rated output: 0,75 kW (1,0 Hp) ÷ 1,5 kW (2,0 Hp)****Solid matter bypass 50 mm****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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DESIGN ENGINEERING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Elettropompa a doppia camera (motore, tenuta meccanica)</li> <li>Motore a bagno d'olio (biodegradabile e dielettrico) per raffreddamento e lubrificazione cuscinetti</li> <li>Anello di tenuta lato motore</li> <li>Tenuta meccanica a bagno d'olio</li> <li>Immersione massima: mt 5</li> <li>Grado di protezione: IP 68</li> <li>Classe di isolamento: F</li> <li>Temperatura max liquido pompato: <ul style="list-style-type: none"> <li>25°C con pompa parzialmente immersa</li> <li>35°C con pompa totalmente immersa</li> </ul> </li> </ul>                                                                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>Double chamber electric pump (motor, mechanical seal)</li> <li>Oil bath motor (biodegradable and dielectric) for cooling and bearing lubrication</li> <li>Sealing ring - engine face</li> <li>Oil bath mechanical seals</li> <li>Permissible draught of water: 5 mt</li> <li>IP 68 protection class</li> <li>Class "F" insulation</li> <li>Max pumped liquid temperature: <ul style="list-style-type: none"> <li>25°C with partially submerged pump</li> <li>35°C with totally submerged pump</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>Passaggio libero: 50 mm</li> <li>Versioni <ul style="list-style-type: none"> <li>Monofase: 220-277V/50Hz o 220-277V/60Hz con protettore termico incorporato e condensatore permanentemente inserito</li> <li>Trifase: 220-277V/50Hz o 380-480V/50Hz e 220-277V/60Hz o 380-480V/60Hz con protezione da sovraccarico a cura dell'utente</li> </ul> </li> <li>Potenza motore: da 0,75 kW (1,1 Hp) a 1,1 kW (1,5 Hp) versioni monofase e trifase <ul style="list-style-type: none"> <li>1,5 kW (2,0 Hp) solo versione trifase</li> </ul> </li> <li>Versioni monofasi automatiche fino a 1,1 kW (1,5 Hp)</li> <li>Cavo standard <ul style="list-style-type: none"> <li>Monofase: 10 metri H05VV-F per versione standard (Aut-Man)</li> <li>Trifase: 10 metri H05VV-F</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>By pass section: 50 mm</li> <li>Versions <ul style="list-style-type: none"> <li>Single Phase: 220-277V/50Hz or 220-277V/60Hz with built in thermal protection and permanent capacitor</li> <li>Three Phase: 220-277V/50Hz or 380-480V/50Hz and 220-277V/60Hz or 380-480V/60Hz with overload protection care of the User</li> </ul> </li> <li>Motor power: from 0,75 kW (1,0 Hp) to 1,1 kW (1,5 Hp) single phase and three phase version <ul style="list-style-type: none"> <li>1,5 kW (2,0 Hp) only three phase version</li> </ul> </li> <li>Automatic single phase version up to 1,1 kW (1,5 Hp)</li> <li>Standard cable features <ul style="list-style-type: none"> <li>Single phase: 10 meters H05VV-F for the standard version (automatic-manual)</li> <li>Three phase: 10 meters H05VV-F</li> </ul> </li> </ul> |
| <b>Speciali voltaggi e frequenze a richiesta</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Customised voltage and frequency rating available on demand</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

TABELLA MATERIALI - MATERIALS TABLE

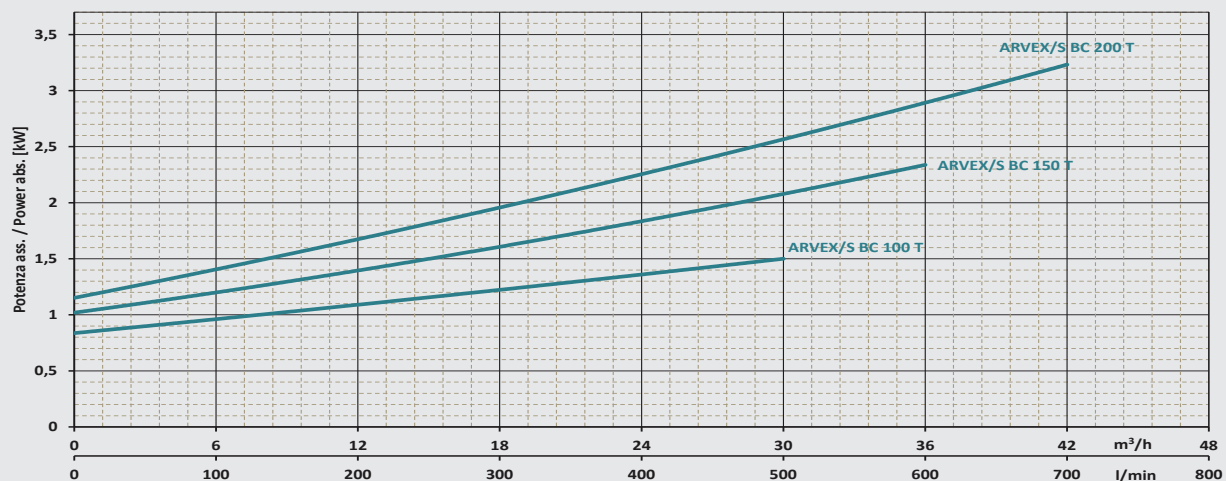
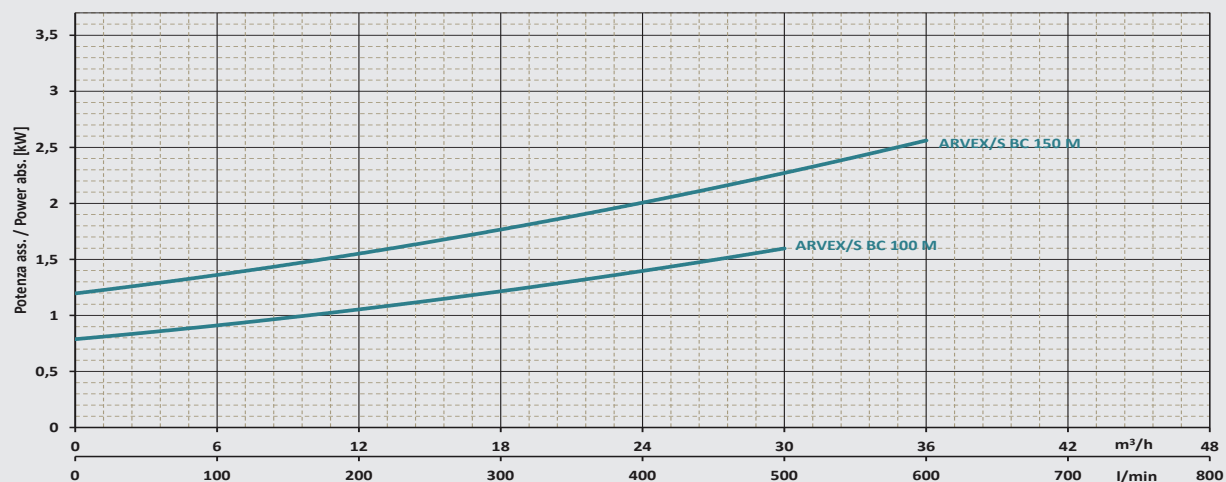
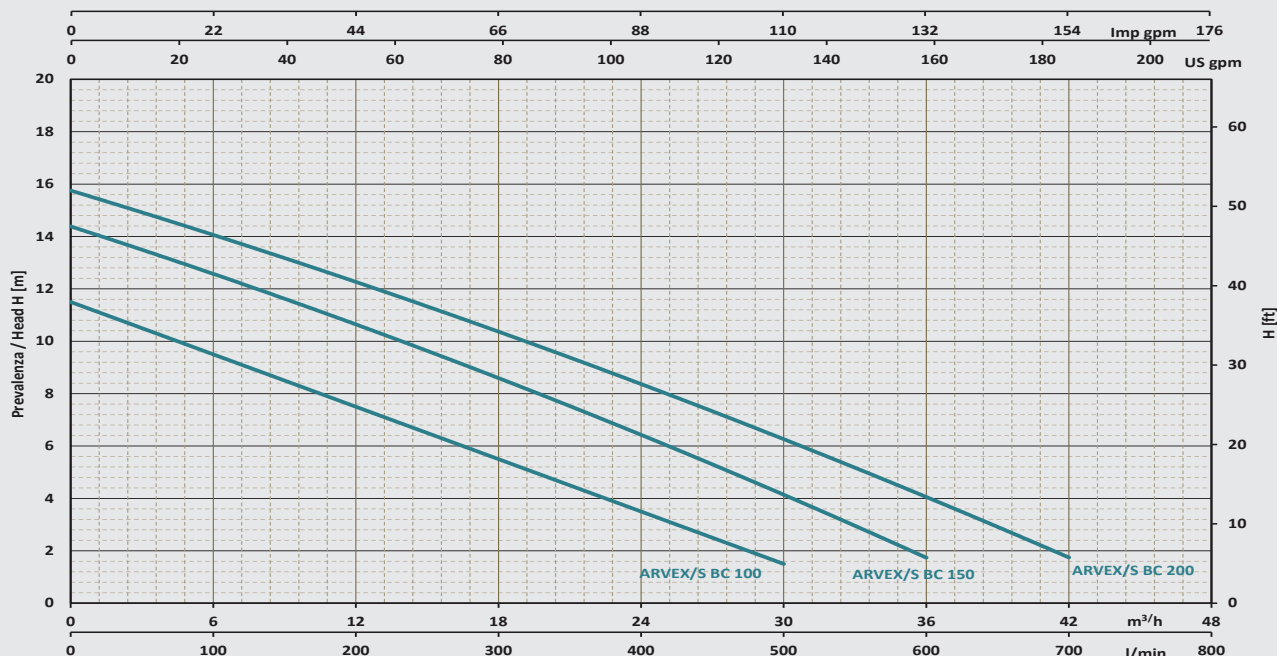
| Pos. | COMPONENTI<br>COMPONENTS                          | MATERIALE<br>MATERIALS                                                                         |
|------|---------------------------------------------------|------------------------------------------------------------------------------------------------|
| A    | <b>Carcassa esterna</b><br>External motor housing | <b>Acciaio inox aisi 316</b><br>Din 1.4401 / Stainless steel                                   |
| B    | <b>Girante</b><br>Impeller                        | <b>Acciaio inox aisi 316</b><br>Din 1.4401 / Stainless steel                                   |
| C    | <b>Albero (lato pompa)</b><br>Shaft (pump side)   | <b>Acciaio inox aisi 316</b><br>Din 1.4401 / Stainless steel                                   |
| D    | <b>Tenuta meccanica</b><br>Mechanical seal        | <b>Lato pompa</b><br>Pump face<br><b>Carburo di silicio - viton</b><br>Silicon carbide - viton |
|      |                                                   | <b>Lato motore</b><br>Motor face<br><b>Anello di tenuta nbr</b><br>Nbr seal ring               |
| E    | <b>O-ring</b>                                     | <b>Viton</b>                                                                                   |
| G    | <b>Porta motore</b><br>Motor holder               | <b>Acciaio inox aisi 316</b><br>Din 1.4401 / Stainless steel                                   |
| I    | <b>Coperchio + maniglia</b><br>Cover + handle     | <b>Acciaio inox aisi 316</b><br>Din 1.4401 / Stainless steel                                   |
| N    | <b>Base d'aspirazione</b><br>Suction base         | <b>Acciaio inox aisi 316</b><br>Din 1.4401 / Stainless steel                                   |
| P    | <b>Corpo pompa</b><br>Pump body                   | <b>Acciaio inox aisi 316</b><br>Din 1.4401 / Stainless steel                                   |

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**ARVEN**  
WATER PUMPS

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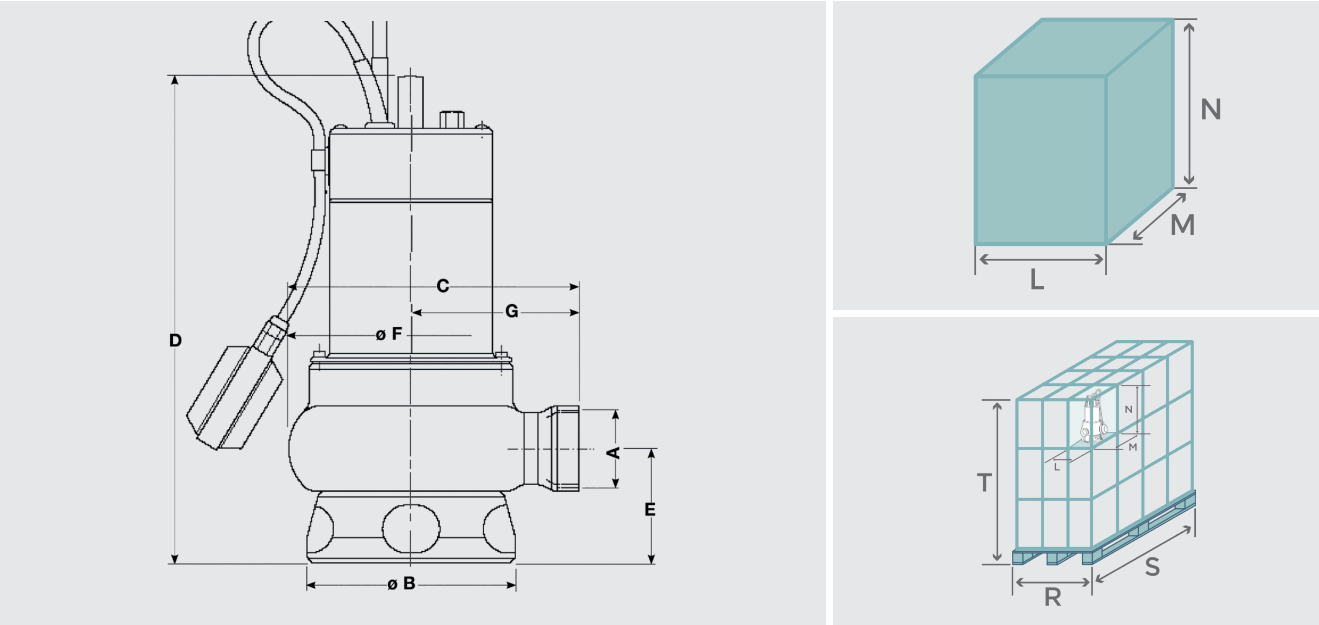
# Prestazioni / Performance Data 50Hz



## Portata / Flow rate Q

Le prestazioni valgono per liquidi con densità  $\rho = 1,0 \text{ kg/dm}^3$  ed una viscosità  $\nu = 1 \text{ mm}^2/\text{s}$   
 The performance data holds true for liquids with a  $\rho = 1,0 \text{ kg/dm}^3$  density and a  $\nu = 1 \text{ mm}^2/\text{s}$  viscosity.

|         |                      | DATI ELETTROTECNICI - ELECTRICAL DATA |      |    |        |        |        |     |           |     | DATI IDROLOGICI - HYDRAULIC DATA |      |      |      |      |      |     |     |     |     |
|---------|----------------------|---------------------------------------|------|----|--------|--------|--------|-----|-----------|-----|----------------------------------|------|------|------|------|------|-----|-----|-----|-----|
| Codice  | Modello              | Phase                                 | Volt | Hz | P ass. | I ass. | P nom. |     | Capacitor |     | m3/h                             | 0    | 3    | 6    | 12   | 18   | 24  | 30  | 36  | 42  |
| Code    | Model                |                                       |      |    | kW     | A      | kW     | HP  | µF        | VC  | l/min.                           | 0    | 50   | 100  | 200  | 300  | 400 | 500 | 600 | 700 |
| RXB1002 | ARVEX/S BC 100 M AUT | 1 ~                                   | 230  | 50 | 1,5    | 7      | 0,75   | 1   | 20        | 450 | H (m)                            | 11,5 | 10,5 | 9,5  | 7,5  | 5,5  | 3,5 | 1,5 | -   | -   |
| RXB1003 | ARVEX/S BC 100 M     | 1 ~                                   | 230  | 50 | 1,5    | 7      | 0,75   | 1   | 20        | 450 |                                  | 11,5 | 10,5 | 9,5  | 7,5  | 5,5  | 3,5 | 1,5 | -   | -   |
| RXB1005 | ARVEX/S BC 100 T     | 3 ~                                   | 400  | 50 | 1,3    | 3,2    | 0,75   | 1   | -         | -   |                                  | 11,5 | 10,5 | 9,5  | 7,5  | 5,5  | 3,5 | 1,5 | -   | -   |
| RXB1502 | ARVEX/S BC 150 M AUT | 1 ~                                   | 230  | 50 | 2,2    | 11,5   | 1,1    | 1,5 | 30        | 450 |                                  | 14,5 | 13,5 | 12,5 | 10,5 | 8,5  | 6,5 | 4,5 | 1,5 | -   |
| RXB1503 | ARVEX/S BC 150 M     | 1 ~                                   | 230  | 50 | 2,2    | 11,5   | 1,1    | 1,5 | 30        | 450 |                                  | 14,5 | 13,5 | 12,5 | 10,5 | 8,5  | 6,5 | 4,5 | 1,5 | -   |
| RXB1505 | ARVEX/S BC 150 T     | 3 ~                                   | 400  | 50 | 1,7    | 4,5    | 1,1    | 1,5 | -         | -   |                                  | 14,5 | 13,5 | 12,5 | 10,5 | 8,5  | 6,5 | 4,5 | 1,5 | -   |
| RXB2005 | ARVEX/S BC 200 T     | 3 ~                                   | 400  | 50 | 2,2    | 4,8    | 1,5    | 2   | -         | -   |                                  | 16   | 14,8 | 14   | 12   | 10,5 | 8,2 | 6,5 | 4,3 | 1,5 |



| MODELLO<br>MODEL   | DIMENSIONI POMPA<br>PUMP DIMENSION |     |     |     |    |     |     |
|--------------------|------------------------------------|-----|-----|-----|----|-----|-----|
|                    | A                                  | B   | C   | D   | E  | F   | G   |
| ARVEX/S BC 100 M/T | 2"                                 | 176 | 214 | 369 | 88 | 180 | 124 |
| ARVEX/S BC 150 M/T | 2"                                 | 176 | 214 | 409 | 88 | 180 | 124 |
| ARVEX/S BC 200 T   | 2"                                 | 176 | 214 | 409 | 88 | 180 | 124 |

| MODELLO<br>MODEL   | DIMENSIONI SCATOLA<br>PACKING DIMENSION |      |      |                | DIMENSIONI PALLET<br>PALLET DIMENSIONS |      |      |            |         |
|--------------------|-----------------------------------------|------|------|----------------|----------------------------------------|------|------|------------|---------|
|                    | L mm                                    | M mm | N mm | Peso Weight kg | R mm                                   | S mm | T mm | NR scatole | PESO Kg |
| ARVEX/S BC 100 M/T | 190                                     | 230  | 480  | 12,5           | 800                                    | 1200 | 1570 | 60         | 775     |
| ARVEX/S BC 150 M/T | 190                                     | 230  | 480  | 14,5           | 800                                    | 1200 | 1570 | 60         | 895     |
| ARVEX/S BC 200 T   | 190                                     | 230  | 480  | 14,5           | 800                                    | 1200 | 1570 | 60         | 895     |

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## Besoin d'un prix ou d'un conseil technique ?

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