

Fiche produit Motralec Arven TURBO LG 250 350 English - fiche technique | Motralec

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Elettropompe sommergibili in ghisa

TURBO LG

250-350



Elettropompe sommergibili drenaggio per cantieristica

Submersible electric pumps for costruction work site drainage

Prevalenza: 19,0 mt ÷ 24,0 mt

Portata: 28,5 m³/h ÷ 31,5 m³/h

Pot. nominale: 1,8 kW (2,5 Hp) ÷ 2,6 kW (3,5 Hp)

Applicazioni

- Drenaggio di cantieri edili e cuniculi.
- Movimentazione di acque moderatamente cariche contenenti materiali anche abrasivi, impianti di irrigazione, acque piovane e di falda.

Pump head: 19 mt ÷ 24,0 mt

Delivery: 28,5 m³/h ÷ 31,5 m³/h

Rated output: 1,8 kW (2,5 Hp) ÷ 2,6 kW (3,5 Hp)

Applications

- Work site, trench ducts and underground passage pump out.
- Handling of moderately foul water with material and/or abrasive material contents.

| CARATTERISTICHE DI COSTRUZIONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DESIGN ENGINEERING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Motore a bagno d'olio (biodegradabile e dielettrico) per raffreddamento e lubrificazione cuscinetti</li><li>• Doppia tenuta macchina: Lato motore a bagno d'olio<br/>Lato pompa a bagno d'acqua</li><li>• Immersione massima: mt 10</li><li>• Grado di protezione: IP 68</li><li>• Classe di isolamento: F</li><li>• Temperatura max liquido pompato: 35°C</li><li>• Passaggio libero: 10 mm</li><li>• Versioni<ul style="list-style-type: none"><li>Monofase: 220-277V/50Hz con C.BOX.<br/>Protezione da sovraccarico a cura dell'utente</li><li>Trifase: 380-400V/50Hz con protezione da sovraccarico a cura dell'utente</li></ul></li><li>• Cavo standard<ul style="list-style-type: none"><li>Monofase: 10 metri H07RN-F completa di quadro elettrico con spezzone 0,7 metri senza spina</li><li>Trifase: 10 metri H07RN-F senza spina</li></ul></li></ul> | <ul style="list-style-type: none"><li>• Oil bath motor (biodegradable and dielectric) for cooling and bearing lubrication</li><li>• Double mechanical seals: Engine face oil bath<br/>Pump face water bath</li><li>• Permissible draught of water: 10 mt</li><li>• IP 68 protection class</li><li>• Class "F" insulation</li><li>• Max pumped liquid temperature: 35°C</li><li>• By pass section: 10 mm</li><li>• Versions<ul style="list-style-type: none"><li>Single phase: 220-277V/50Hz with C.BOX.<br/>Overload protection care of the user</li><li>Three phases 380-480V/50Hz with overload protection care of the user</li></ul></li><li>• Standard cable features:<ul style="list-style-type: none"><li>Single phase: 10 meters H07RN-F complete with power supply box 0,7 m cable section, without connection plug</li><li>Three phases: 10 meters H07RN-F without connection plug</li></ul></li></ul> |
| Speciali voltaggi e frequenze a richiesta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Customised voltage and frequency rating available on demand                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

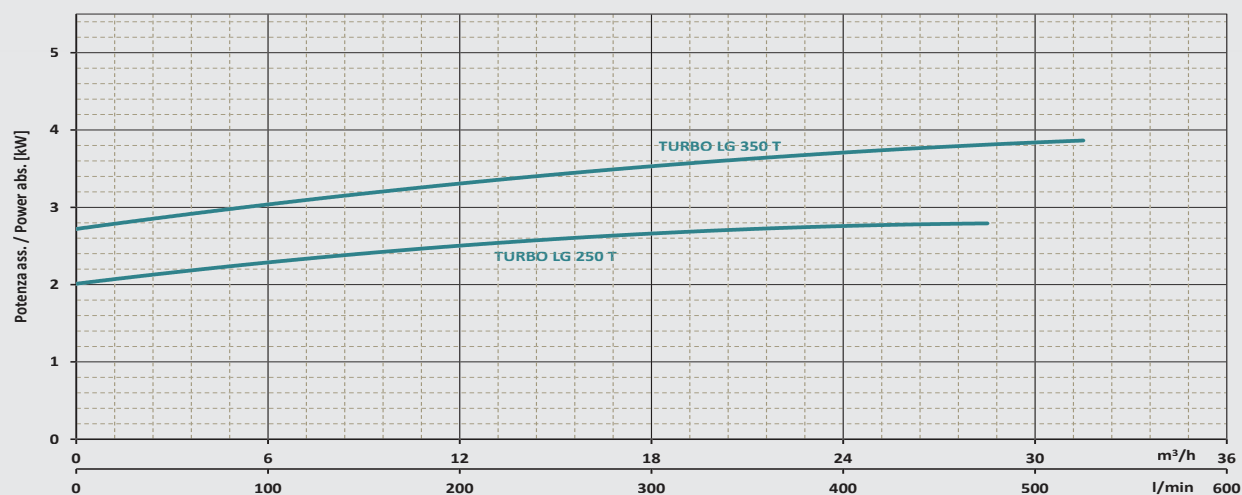
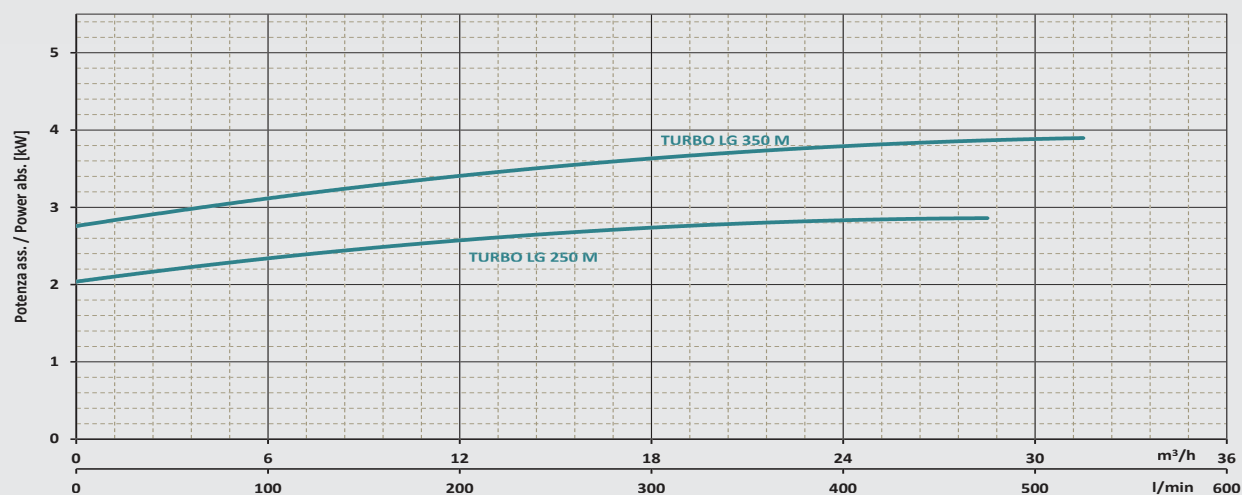
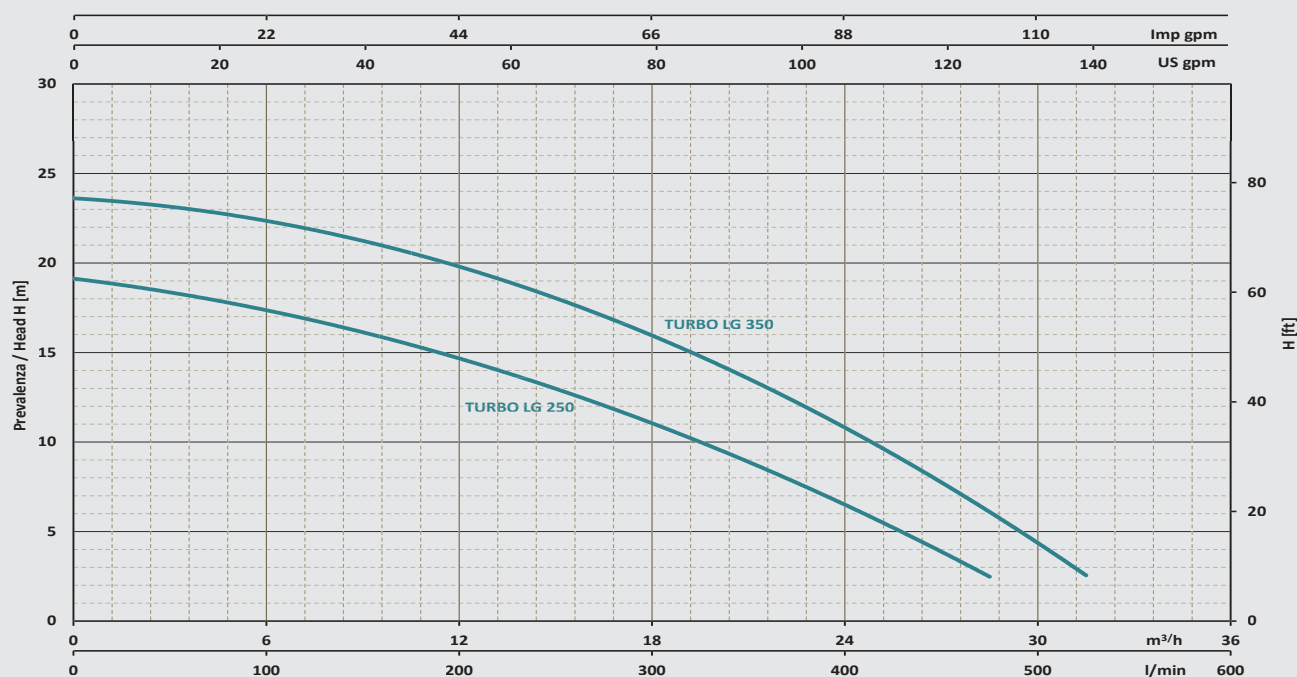
TABELLA MATERIALI - MATERIALS TABLE

| Pos. | COMPONENTI<br>COMPONENTS                 | MATERIALE<br>MATERIALS                                            |
|------|------------------------------------------|-------------------------------------------------------------------|
| A    | Coperchio<br>Cover                       | Ghisa (G20)<br>Cast iron                                          |
| B    | Guarnizione<br>Gasket                    | Gomma dielettrica<br>Dielectric rubber                            |
| C    | Carcassa motore<br>Motor housing         | Ghisa (G20)<br>Cast iron                                          |
| D    | Albero (lato pompa)<br>Shaft (pump side) | Acciaio inox aisi 316 Din 1.4401<br>Stainless steel               |
| E    | Tenuta meccanica<br>Mechanical seal      | Lato pompa<br>Pump face<br>Carburo di Silicio<br>Silicon carbide  |
|      |                                          | Lato motore<br>Motor face<br>Grafite/allumina<br>Graphite/alumina |
| F    | O-ring                                   | Nbr                                                               |
| G    | Flangia inferiore<br>Upper flange        | Ghisa (G25)<br>Cast iron                                          |
| H    | Girante<br>Impeller                      | Ghisa (GJS400)<br>Cast iron with treatment                        |
| I    | Diffusore<br>Diffuseur                   | Ghisa (G20)<br>Cast iron with treatment                           |
| M    | Base d'aspirazione<br>Suction base       | Acciaio inox aisi 304 Din 1.4301<br>Stainless steel               |
| O    | Maniglia<br>Handle                       | Acciaio inox aisi 304 Din 1.4301<br>Stainless steel               |

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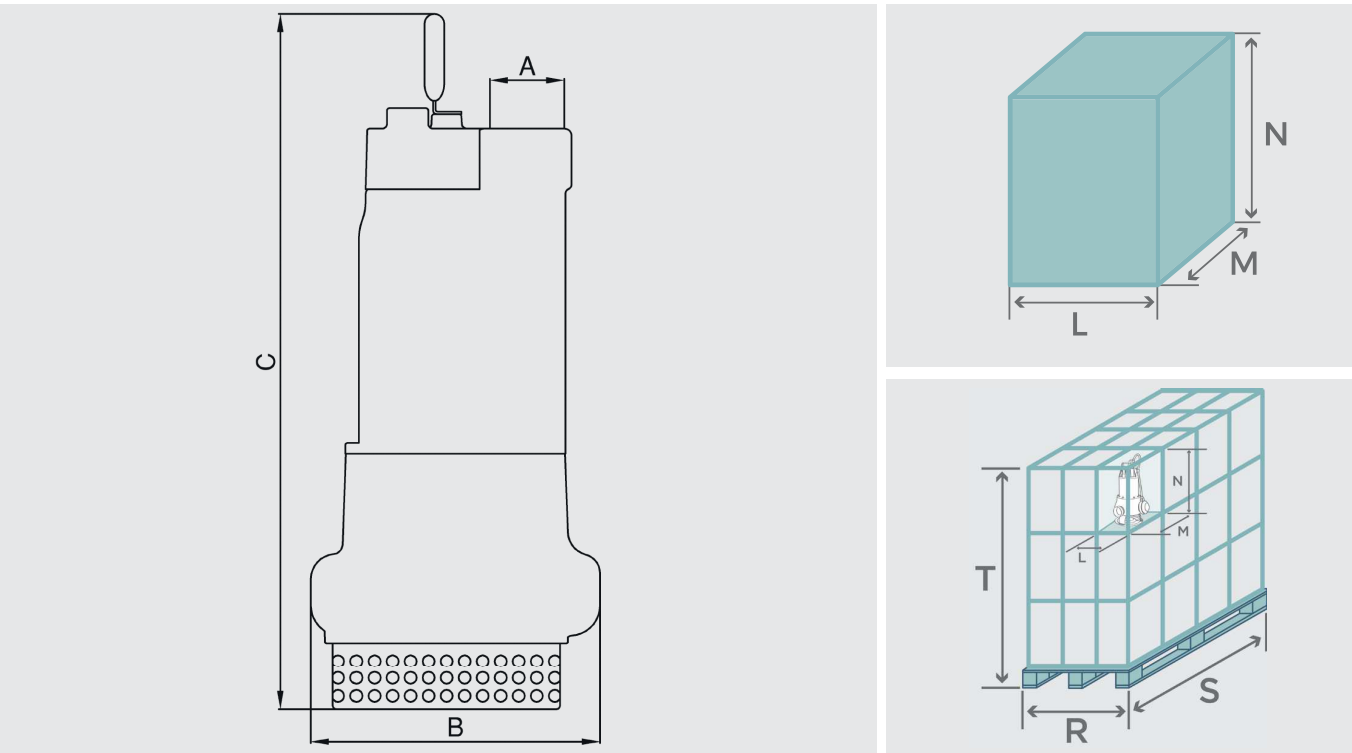
Prestazioni / Performance Data 50Hz



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.

| Codice  | Modello            | Phase | Volt | Hz | P ass. | I ass. | P nom. |     | Capacitor |     | m3/h   | 0  | 3    | 6    | 9   | 15  | 18   | 28,5 | 31,5 |
|---------|--------------------|-------|------|----|--------|--------|--------|-----|-----------|-----|--------|----|------|------|-----|-----|------|------|------|
| Code    | Model              |       |      |    | kW     | A      | kW     | HP  | µF        | VC  | l/min. | 0  | 50   | 100  | 150 | 250 | 300  | 475  | 525  |
| TLG2502 | TURBO LG 250 M AUT | 1 ~   | 230  | 50 | 3,2    | 13,5   | 1,8    | 2,5 | 40        | 450 |        | 19 | 18,5 | 17,5 | 16  | 13  | 11   | 2,5  | -    |
| TLG2503 | TURBO LG 250 M     | 1 ~   | 230  | 50 | 3,2    | 13,5   | 1,8    | 2,5 | 40        | 450 |        | 19 | 18,5 | 17,5 | 16  | 13  | 11   | 2,5  | -    |
| TLG2505 | TURBO LG 250 T     | 3 ~   | 400  | 50 | 3      | 4,5    | 1,8    | 2,5 | -         | -   | H (m)  | 19 | 18,5 | 17,5 | 16  | 13  | 11   | 2,5  | -    |
| TLG3503 | TURBO LG 350 M     | 1 ~   | 230  | 50 | 4,2    | 16,5   | 2,6    | 3,5 | 50        | 450 |        | 24 | 23   | 22   | 21  | 18  | 16,5 | 6    | 2,5  |
| TLG3505 | TURBO LG 350 T     | 3 ~   | 400  | 50 | 4      | 6      | 2,6    | 3,5 | -         | -   |        | 24 | 23   | 22   | 21  | 18  | 16,5 | 6    | 2,5  |



| MODELLO<br>MODEL | DIMENSIONI POMPA<br>PUMP DIMENSION |     |     |
|------------------|------------------------------------|-----|-----|
|                  | A                                  | B   | C   |
| TURBO LG 250 M/T | 2"                                 | 240 | 580 |
| TURBO LG 350 M/T | 2"                                 | 240 | 580 |

| MODELLO<br>MODEL | DIMENSIONI SCATOLA<br>PACKING DIMENSION |         |         |                   | DIMENSIONI PALLET<br>PALLET DIMENSIONS |         |         |               |            |
|------------------|-----------------------------------------|---------|---------|-------------------|----------------------------------------|---------|---------|---------------|------------|
|                  | L<br>mm                                 | M<br>mm | N<br>mm | Peso Weight<br>kg | R<br>mm                                | S<br>mm | T<br>mm | NR<br>scatole | PESO<br>Kg |
| TURBO LG 250 M/T | 780                                     | 380     | 300     | 45,0              | 800                                    | 1200    | 1950    | 18            | 830        |
| TURBO LG 350 M/T | 780                                     | 380     | 300     | 45,0              | 800                                    | 1200    | 1950    | 18            | 830        |

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

Arven TURBO LG 250 350 English

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