

Elettropompe sommergibili inox

# TIGER



## Elettropompe sommergibili TIGER per acque cariche Submersible TIGER electric pumps for wastewater

**Prevalenza: 9 mt ÷ 15,0 mt**  
**Portata: 12,0 m<sup>3</sup>/h ÷ 33,0 m<sup>3</sup>/h**  
**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.

**Pump head: 9 mt ÷ 15,0 mt**  
**Delivery: 12,0 m<sup>3</sup>/h ÷ 33,0 m<sup>3</sup>/h**  
**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.*

| CARATTERISTICHE DI COSTRUZIONE  |  | DESIGN ENGINEERING   |  |
|---|--|--|--|
| • Elettropompa a doppia camera (motore, tenuta meccanica)   |  | • Double chamber electric pump (motor, mechanical seal)                                      |  |
| • Motore a bagno d'olio (biodegradabile e dielettrico) per raffreddamento e lubrificazione cuscinetti |  | • Oil bath motor (biodegradable and dielectric) for cooling and bearing lubrication          |  |
| • Anello di tenuta lato motore  |  | • Sealing ring - engine face   |  |
| • Tenuta meccanica a bagno d'olio   |  | • Oil bath mechanical seals  |  |
| • Immersione massima: mt 5  |  | • Permissible draught of water: 5 mt   |  |
| • Grado di protezione: IP 68  |  | • IP 68 protection class   |  |
| • Classe di isolamento: F   |  | • Class "F" insulation   |  |
| • Temperatura max liquido pompato:  |  | • Max pumped liquid temperature:   |  |
|   | 25°C con pompa parzialmente immersa  |  | 25°C with partially submerged pump                                       |
|   | 35°C con pompa totalmente immersa  |  | 35°C with totally submerged pump   |
| • Passaggio libero:   | 40 mm - TIGER-R 80   | • By pass section:   | 40 mm - TIGER-R 80   |
|   | 50 mm - TIGER-R 100 - 150 - 200  |  | 50 mm - TIGER-R 100 - 150 - 200  |
| • Versioni  |  | • Versions   |  |
| Monofase:   | 220-277V/60Hz con protettore termico incorporato e condensatore permanentemente inserito | Single Phase:  | 220-277V/60Hz with built in thermal protection and permanent capacitor   |
| Trifase:  | 220-277V/60Hz o 380-480V/60Hz con protezione da sovraccarico a cura dell'utente          | Three Phase:   | 220-277V/60Hz or 380-480V/60Hz with overload protection care of the user |
| • Versioni monofasi automatiche con galleggiante o manuali senza galleggiante                         |  | • Automatic single phase version with floater or manual single phase version without floater |  |
| • Cavo standard   |  | • Standard cable features  |  |
| Monofase:   | 10 metri H07RN-F (Aut-Man)   | Single phase:  | 10 meters H07RN-F (automatic-manual)                                     |
|   | 5 metri H07RN-F solo per versione automatica (esclusa TIGER-R 200)                       |  | 5 meters H07RN-F only for the automatic version (excluded TIGER-R 200)   |
| Trifase:  | 10 metri H07RN-F   | Three phase:   | 10 meters H07RN-F  |

#### Speciali voltaggi e frequenze a richiesta

#### Customised voltage and frequency rating available on demand

#### Accessori disponibili a richiesta:

- Filetto NPT

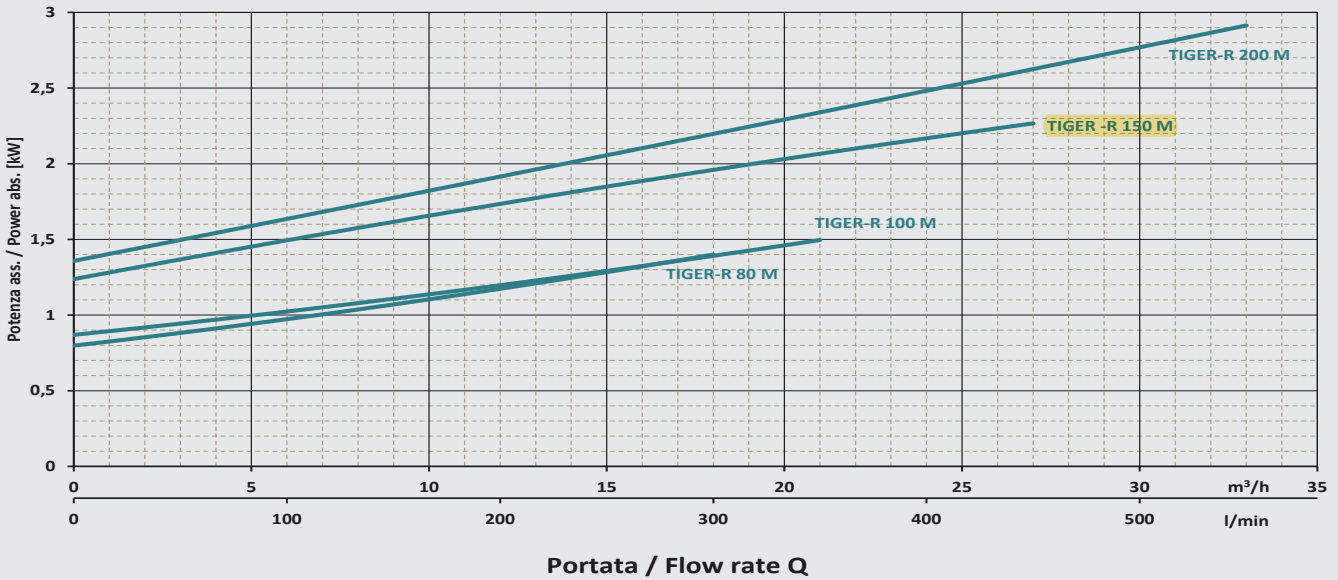
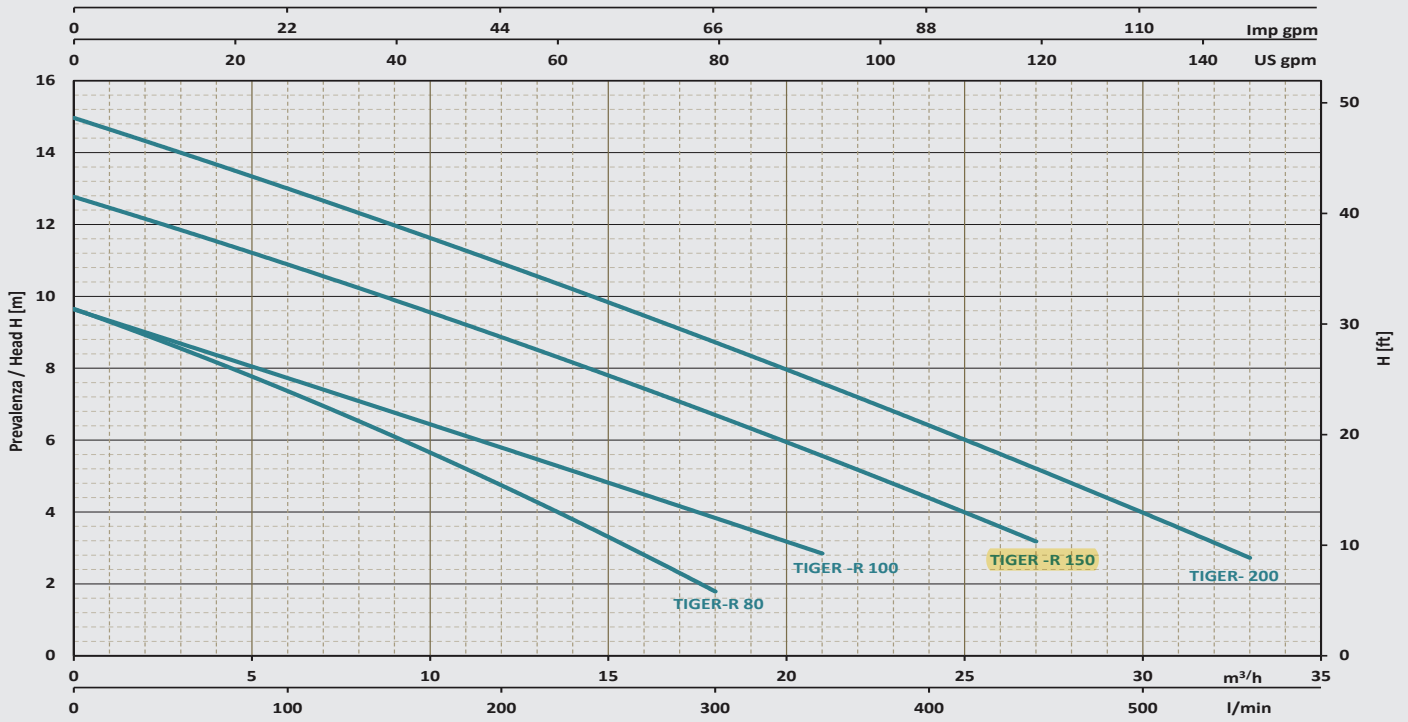
#### Accessories available on demand:

- NPT thread

TABELLA MATERIALI - MATERIALS TABLE

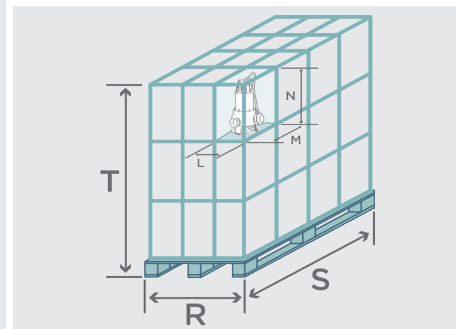
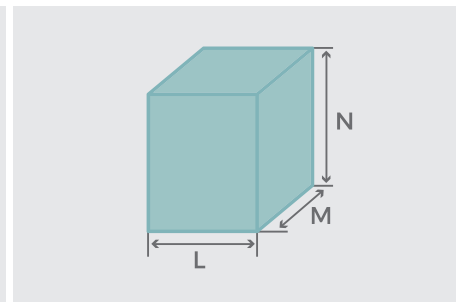
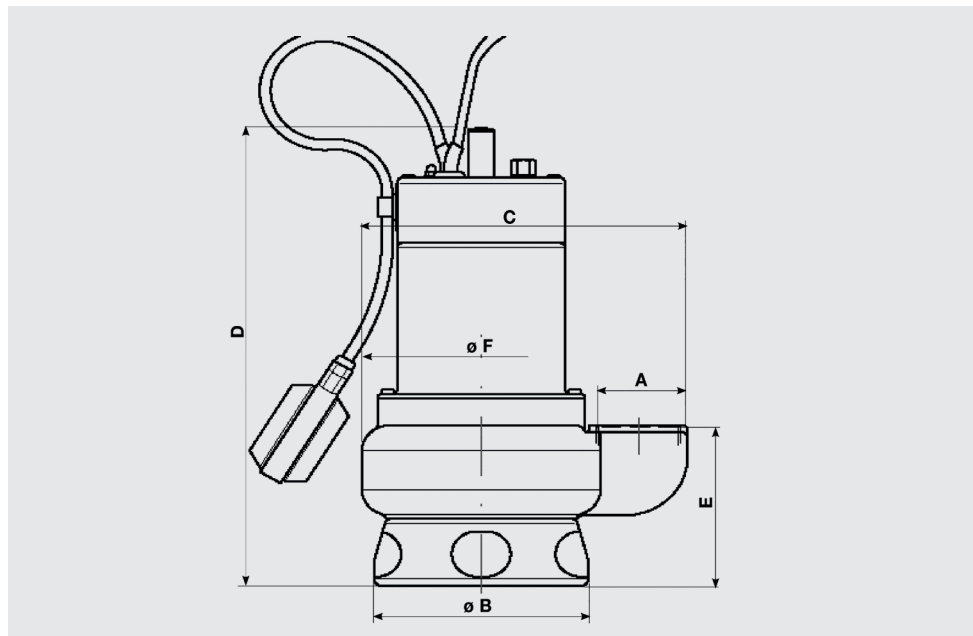
| Pos. | COMPONENTI<br>COMPONENTS                        | MATERIALE<br>MATERIALS                                     |   |
|------|---|--|---|
| A    | <b>Carcassa esterna</b><br>External housing     | <b>Acciaio inox aisi 304</b> Din 1.4301<br>Stainless steel |   |
| B    | <b>Girante</b><br>Impeller                      | <b>Acciaio inox aisi 304</b> Din 1.4301<br>Stainless steel |   |
| C    | <b>Albero (lato pompa)</b><br>Shaft (pump side) | <b>Acciaio inox aisi 316</b> Din 1.4401<br>Stainless steel |   |
| D    | <b>Tenuta meccanica</b><br>Mechanical seal      | <b>Lato pompa</b><br>Pump face                             | <b>Grafite - ceramica</b><br>Graphite - ceramic |
|      |   | <b>Lato motore</b><br>Motor face                           | <b>Anello di tenuta nbr</b><br>Nbr seal ring    |
| E    | <b>O-ring</b>                                   | <b>Nbr</b>   |   |
| G    | <b>Porta motore</b><br>Motor holder             | <b>Acciaio inox aisi 304</b> Din 1.4301<br>Stainless steel |   |
| I    | <b>Coperchio</b><br>Cover                       | <b>Acciaio inox aisi 304</b> Din 1.4301<br>Stainless steel |   |
| N    | <b>Base d'aspirazione</b><br>Suction base       | <b>Acciaio inox aisi 304</b> Din 1.4301<br>Stainless steel |   |
| P    | <b>Corpo pompa</b><br>Pump body                 | <b>Ghisa (G20)</b><br>Cast iron                            |   |

## Prestazioni / Performance Data 60Hz



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 ELETTRICI - ELECTRICAL DATA |      |    |         |         |           |     | DATI IDRAULICI - HYDRAULIC DATA |      |      |      |     |      |     |     |     |     |     |     |
|---------|-------------------|----------------------------------|------|----|---------|---------|-----------|-----|---------------------------------|------|------|------|-----|------|-----|-----|-----|-----|-----|-----|
| Codice  | Modello           | Phase                            | Volt | Hz | P. ass. | I. ass. | Capacitor |     | m3/h                            | 0    | 3    | 6    | 9   | 12   | 15  | 18  | 21  | 27  | 30  | 33  |
| Code    | Model             |                                  |      |    | kW      | A       | $\mu F$   | VC  | l/min.                          | 0    | 50   | 100  | 150 | 200  | 250 | 300 | 350 | 450 | 500 | 550 |
| RDV0817 | TIGER-R 80 M AUT  | 1~                               | 220  | 60 | 1,4     | 6,2     | 20        | 450 | H (m)                           | 9,5  | 8,6  | 7,8  | 5,8 | 4,8  | 3   | 2   | -   | -   | -   | -   |
| RDV1017 | TIGER-R 100 M AUT | 1~                               | 220  | 60 | 1,5     | 7       | 20        | 450 |                                 | 9,5  | 8,7  | 8    | 6,8 | 5,8  | 4,5 | 3,8 | 3   | -   | -   | -   |
| RDV1517 | TIGER-R 150 M AUT | 1~                               | 220  | 60 | 2,3     | 10,5    | 30        | 450 |                                 | 12,5 | 12   | 11   | 10  | 9    | 8   | 6,5 | 5   | 3,5 | -   | -   |
| RDV2017 | TIGER-R 200 M AUT | 1~                               | 220  | 60 | 2,9     | 13      | 30        | 450 |                                 | 15   | 14,3 | 13,5 | 10  | 11,8 | 10  | 8,8 | 7,5 | 5,5 | 4   | 2,5 |



| MODELLO<br>MODEL | DIMENSIONI POMPA<br>PUMP DIMENSION |     |     |       |     |     |
|------------------|------------------------------------|-----|-----|-------|-----|-----|
|                  | A                                  | B   | C   | D     | E   | F   |
| TIGER-R 80 M     | 1" 1/2                             | 150 | 232 | 372,5 | 125 | 170 |
| TIGER-R 100 M    | 2"                                 | 150 | 232 | 385,5 | 125 | 170 |
| TIGER-R 150 M    | 2"                                 | 150 | 232 | 395,5 | 125 | 170 |
| TIGER-R 200 M    | 2"                                 | 150 | 232 | 395,5 | 125 | 170 |

| MODELLO<br>MODEL | DIMENSIONI SCATOLA<br>PACKING DIMENSION |         |         |                      | DIMENSIONI PALLET<br>PALLET DIMENSIONS |         |         |               |            |
|------------------|---|---------|---------|----------------------|--|---------|---------|---------------|------------|
|                  | L<br>mm                                 | M<br>mm | N<br>mm | Peso<br>Weight<br>kg | R<br>mm                                | S<br>mm | T<br>mm | NR<br>scatole | PESO<br>Kg |
| TIGER-R 80 M     | 190                                     | 230     | 410     | 12,5                 | 800                                    | 1200    | 1360    | 60            | 745        |
| TIGER-R 100 M    | 190                                     | 230     | 410     | 13,5                 | 800                                    | 1200    | 1360    | 60            | 805        |
| TIGER-R 150 M    | 190                                     | 230     | 480     | 17,0                 | 800                                    | 1200    | 1570    | 60            | 925        |
| TIGER-R 200 M    | 190                                     | 230     | 480     | 17,1                 | 800                                    | 1200    | 1570    | 60            | 925        |