



Fiche produit Motralec Arven Skipper - fiche technique | Motralec

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# SKIPPER



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## ELETTROPOMPE SOMMERGIBILI VORTEX PER ACQUE CARICHE SUBMERSIBLE VORTEX ELECTRIC PUMPS FOR WASTEWATER

**PREVALENZA** ..... : 7,5 mt. ÷ 13 mt.  
**PORTATA** ..... : 15,6 m<sup>3</sup>/h ÷ 30 m<sup>3</sup>/h  
**POTENZA NOMINALE** : 0,6 Kw (0,8HP) ÷ 1,5 Kw (2HP)  
**PASSAGGIO SOLIDI FINO A 50 mm.**

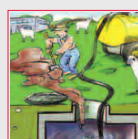
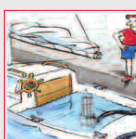
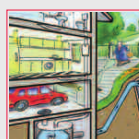
### APPLICAZIONI

- SVUOTAMENTO DI FOSSE DI DECONTAMINAZIONE, 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** ..... : 7.5 m to 13 m  
**DELIVERY** ..... : 15.6 m<sup>3</sup>/h to 30 m<sup>3</sup>/h  
**RATED HORSEPOWER** : 0.6 kW (0.8HP) to 1.5 kW (2HP)  
**SOLID MATTER BYPASS up to 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.

**ARVEN**

## CARATTERISTICHE DI COSTRUZIONE:

- ELETTROPOMPA A DOPPIA CAMERA (MOTORE, TENUTA MECCANICA).
  - MOTORE A BAGNO D'OLIO (BIODEGRADABILE E DIELETRICO) 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.  
50°C con pompa TOTALMENTE immersa.
  - PASSAGGIO LIBERO: 35 mm. - SKIPPER 80  
50 mm. - SKIPPER 100 - 150 - 200
  - VERSIONI: Monofase: 220 - 230V/50Hz e 220 - 230V / 60 Hz con protettore termico incorporato e condensatore permanentemente inserito.  
Trifase: 220 - 230V/50Hz o 380 - 400V / 50Hz e 220-230V o 380 - 400V / 60Hz con protezione da sovraccarico a cura dell'utente.
  - VERSIONI MONOFASI AUTOMATICHE CON GALLEGGIANTE O MANUALI SENZA GALLEGGIANTE.
  - CAVO STANDARD:  
Monofase: 10 metri H07RN-F per versione normale (aut.-man.)  
5 metri H07RN-F solo per versione automatica. (esclusa SKIPPER 150)  
Trifase: ....10 metri H07RN-F
- SPECIALI VOLTAGGI E FREQUENZE A RICHIESTA.

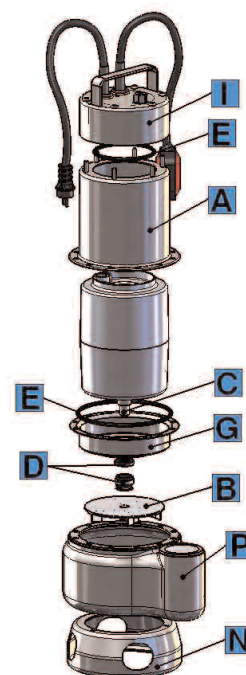
## DESIGN ENGINEERING:

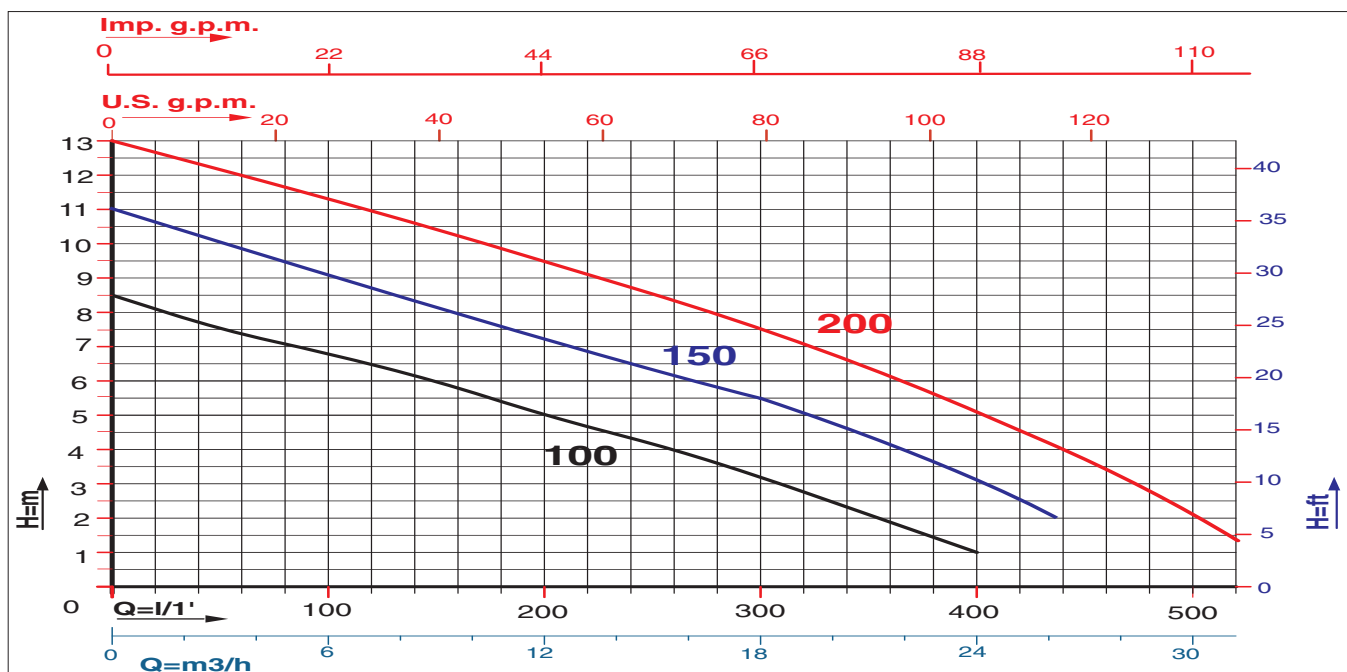
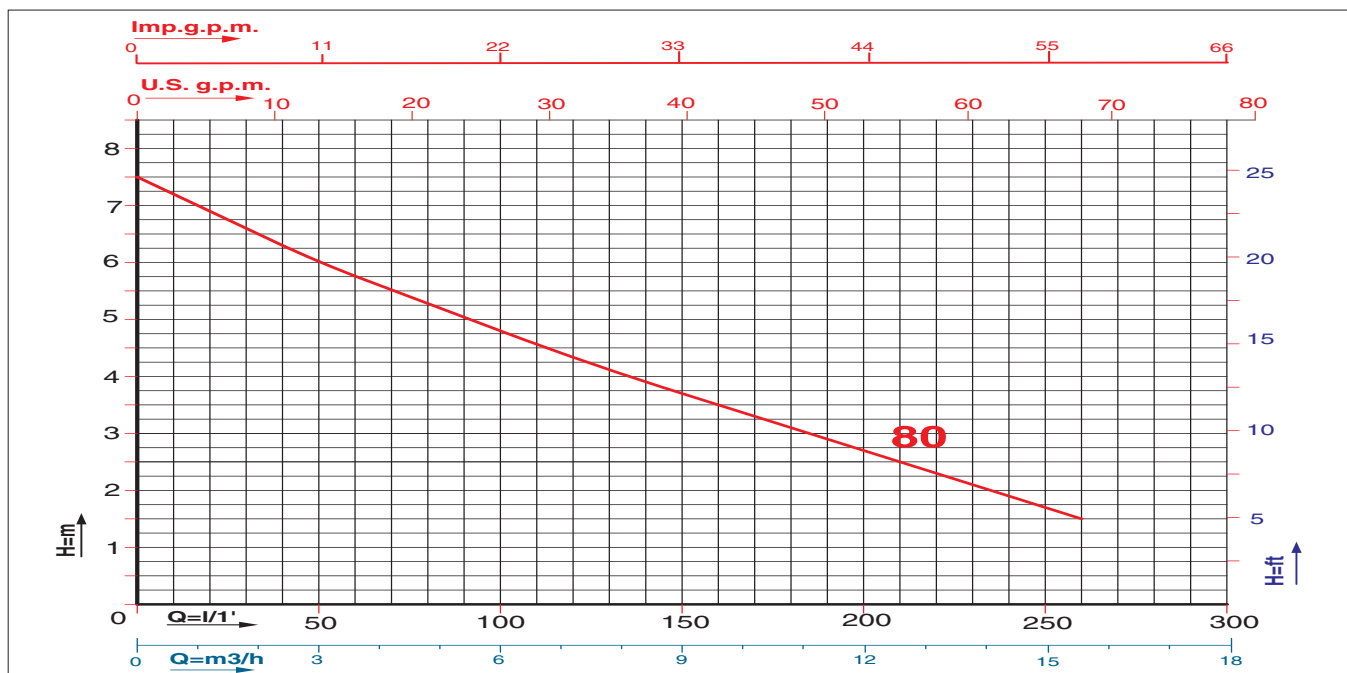
- DOUBLE CHAMBER ELECTRIC PUMP (MOTOR, MECHANICAL SEAL).
  - OIL BATH MOTOR (BIODEGRADABLE AND DIELECTRIC) FOR COOLING AND BEARING LUBRICATION.
  - SEALING RING - ENGINE FACE.
  - OIL BATH MECHANICAL SEALS.
  - PERMISSIBLE DRAUGHT OF WATER: 5 m
  - IP 68 PROTECTION CLASS.
  - CLASS "F" INSULATION.
  - MAX. PUMPED LIQUID TEMPERATURE:  
25°C with PARTIALLY submerged pump.  
50°C with TOTALLY submerged pump.
  - BY PASS SECTION: 35 mm. - SKIPPER 80  
50 mm. - SKIPPER 100 - 150 - 200
  - VERSIONS: Single Phase: 220 - 230 V / 50 Hz or 220 - 230V / 60 Hz with built in thermal protection and permanent capacitor.  
Three Phase: 220 - 230 V / 50 Hz or 380 - 400V / 50Hz and 220-230V or 380 - 400V / 60Hz with overload protection care of the User
  - AUTOMATIC SINGLE PHASE VERSIONS WITH FLOATER OR MANUAL SINGLE PHASE VERSIONS, WITHOUT FLOATER.
  - STANDARD CABLE FEATURES:  
Single Phase: 10 metres H07RN-F for the standard version (automatic-manual)  
5 metres H07RN-F only for the automatic version (excluded SKIPPER 150).  
Three Phase: 10 metres H07RN-F
- CUSTOMISED VOLTAGE AND FREQUENCY RATING AVAILABLE ON DEMAND.

## TABELLA MATERIALI / MATERIALS TABLE:

| Pos. | Componente / <i>Component</i>                  |                                 | Materiale / <i>Materials</i>                                     |
|------|------------------------------------------------|---------------------------------|------------------------------------------------------------------|
| A    | Carcassa esterna / <i>External housing</i>     |                                 | ACCIAIO INOX<br>AISI 304 - DIN 1.4301<br><i>STAINLESS STEEL</i>  |
| B    | Girante / <i>Impeller</i>                      |                                 |                                                                  |
| C    | Albero (lato pompa) / <i>Shaft (pump side)</i> |                                 | ACCIAIO INOX<br>AISI 316 - DIN 1.4401<br><i>STAINLESS STEEL</i>  |
| D    | Tenuta meccanica<br><i>Mechanical seal</i>     | Lato pompa / <i>Pump side</i>   | CARBURO DI<br>SILICIO-ALLUMINA<br><i>SILICON CARBIDE-ALUMINA</i> |
|      |                                                | Lato motore / <i>Motor side</i> | ANELLO DI TENUTA NBR<br><i>NBR SEAL RING</i>                     |
| E    | O-ring                                         |                                 | NBR                                                              |
| G    | Porta motore / <i>Motor holder</i>             |                                 | ACCIAIO INOX<br>AISI 304 - DIN 1.4301<br><i>STAINLESS STEEL</i>  |
| I    | Coperchio + maniglia / <i>Cover + handle</i>   |                                 |                                                                  |
| N    | Base d'appoggio / <i>Base holder</i>           |                                 |                                                                  |
| P    | Corpo pompa / <i>Pump body</i>                 |                                 |                                                                  |

## SKIPPER 80 - 100 - 150 - 200

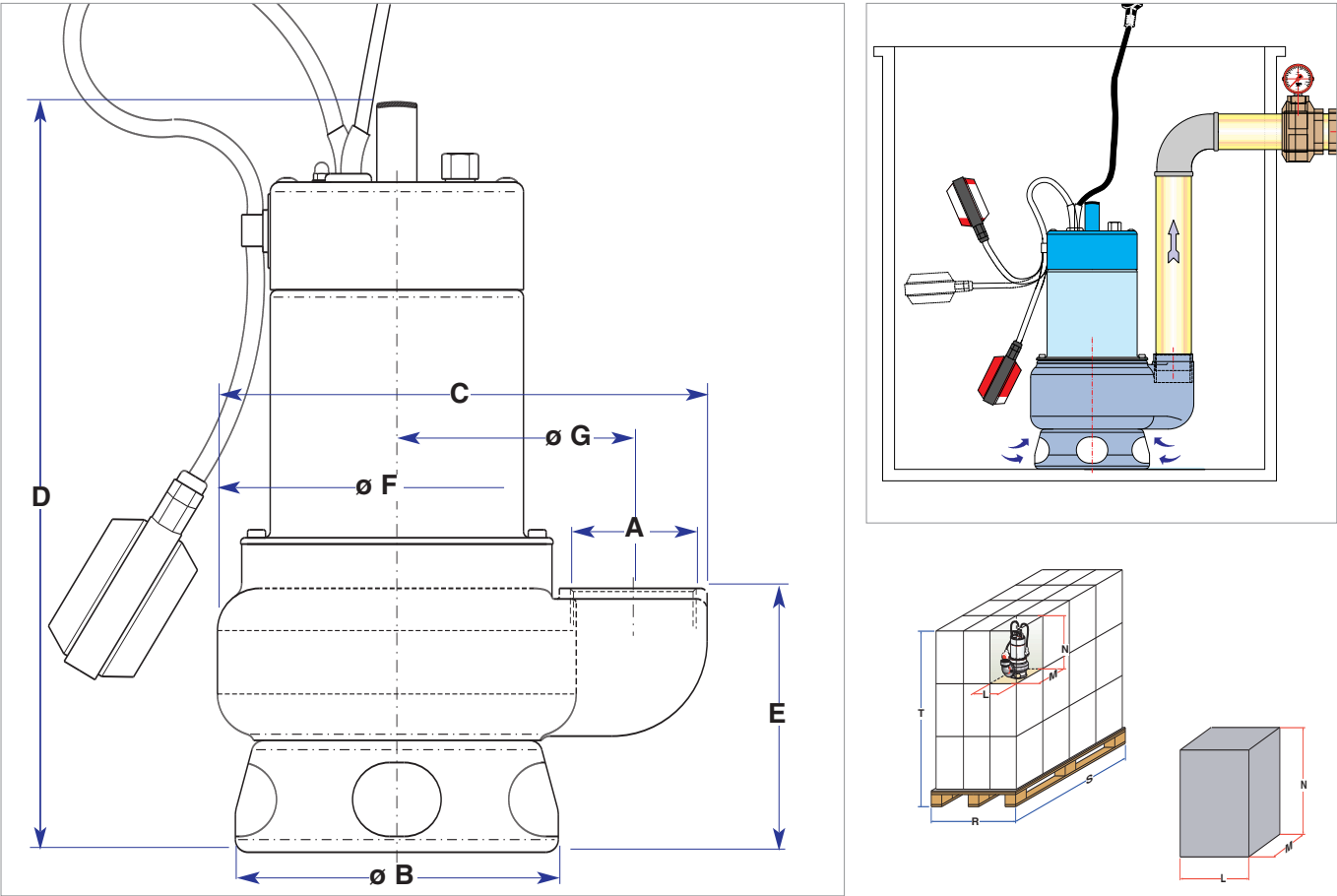




Caratteristiche di funzionamento a 2800 rpm 50Hz e 3450 rpm 60Hz - Performances at 2800 rpm 50 Hz and 3450 rpm 60 Hz  
Le prestazioni valgono per liquidi con densità  $\rho = 1,0 \text{ kg/dm}^3$  ed una viscosità  $\nu = 1 \text{ mm}^2/\text{s}$  / The performance data holds true for liquids with a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

| MODELLO<br><i>MODEL</i> | VOLTAGGIO<br><i>VOLTAGE</i><br><br>50 Hz | DATI ELETTRICI / <i>ELECTRICAL DATA</i> |         |     |        |                                  |     | DATI IDRAULICI / <i>HYDRAULIC DATA</i>                                                                     |      |      |      |      |     |      |     |     |     |     |
|-------------------------|------------------------------------------|-----------------------------------------|---------|-----|--------|----------------------------------|-----|------------------------------------------------------------------------------------------------------------|------|------|------|------|-----|------|-----|-----|-----|-----|
|                         |                                          | P1max                                   | P2 nom. |     | I max  | Condensatore<br><i>Capacitor</i> |     | m³/h                                                                                                       | 0    | 3    | 6    | 9    | 12  | 15,6 | 18  | 24  | 27  | 30  |
|                         |                                          | Kw                                      | Kw      | HP  | Ampere | µF                               | VC  | l/min.                                                                                                     | 0    | 50   | 100  | 150  | 200 | 260  | 300 | 400 | 450 | 500 |
| SKIPPER 80 M            | 1 x 220-230V                             | 1,1                                     | 0,6     | 0,8 | 5,0    | 16                               | 450 | H (m)<br><br>PRESSIONE TOTALE IN METRI COLONNA<br>ACQUA / TOTAL PUMP HEAD AND WATER<br>COLUMN HEIGHT IN m. | 7,5  | 6,0  | 4,8  | 3,7  | 2,7 | 1,5  |     |     |     |     |
| SKIPPER 80 T            | 3 x 380-400V                             | 0,9                                     | 0,6     | 0,8 |        |                                  |     |                                                                                                            | 7,5  | 6,0  | 4,8  | 3,7  | 2,7 | 1,5  |     |     |     |     |
| SKIPPER 100 M           | 1 x 220-230V                             | 1,5                                     | 0,75    | 1,0 | 6,5    | 20                               | 450 |                                                                                                            | 8,5  | 7,5  | 6,8  | 6,0  | 5,0 | 4,0  | 3,2 | 1,0 |     |     |
| SKIPPER 100 T           | 3 x 380-400V                             | 1,3                                     | 0,75    | 1,0 | 2,4    | ---                              | --- |                                                                                                            | 8,5  | 7,5  | 6,8  | 6,0  | 5,0 | 4,0  | 3,2 | 1,0 |     |     |
| SKIPPER 150 M           | 1 x 220-230V                             | 2,2                                     | 1,1     | 1,5 | 10,4   | 30                               | 450 |                                                                                                            | 11,0 | 9,8  | 9,0  | 8,0  | 7,3 | 6,2  | 5,6 | 3,2 | 1,8 |     |
| SKIPPER 150 T           | 3 x 380-400V                             | 1,7                                     | 1,1     | 1,5 | 3,0    | ---                              | --- |                                                                                                            | 11,0 | 9,8  | 9,0  | 8,0  | 7,3 | 6,2  | 5,6 | 3,2 | 1,8 |     |
|                         |                                          |                                         |         |     |        |                                  |     |                                                                                                            |      |      |      |      |     |      |     |     |     |     |
| SKIPPER 200 T           | 3 x 380-400V                             | 2,2                                     | 1,5     | 2,0 | 3,6    | ---                              | --- |                                                                                                            | 13,0 | 12,2 | 11,2 | 10,4 | 9,5 | 8,3  | 7,5 | 5,2 | 3,0 | 2,0 |
|                         |                                          |                                         |         |     |        |                                  |     |                                                                                                            |      |      |      |      |     |      |     |     |     |     |
|                         |                                          |                                         |         |     |        |                                  |     |                                                                                                            |      |      |      |      |     |      |     |     |     |     |

DIMENSIONI E PESI / SIZE AND WEIGHT DATA.



| MODELLO / <i>MODEL</i> | DIMENSIONI POMPA in mm. / <i>PUMP DIMENSIONS</i> in mm. |     |     |     |     |     |     |   |   |
|------------------------|---------------------------------------------------------|-----|-----|-----|-----|-----|-----|---|---|
|                        | A                                                       | B   | C   | D   | E   | F   | G   | H | I |
| SKIPPER 80 M           | 1 1/2"                                                  | 164 | 217 | 355 | 153 | 164 | 108 |   |   |
| SKIPPER 80 T           | 1 1/2"                                                  | 164 | 217 | 355 | 153 | 164 | 108 |   |   |
| SKIPPER 100 M          | 2"                                                      | 164 | 221 | 355 | 178 | 164 | 108 |   |   |
| SKIPPER 100 T          | 2"                                                      | 164 | 221 | 355 | 178 | 164 | 108 |   |   |
| SKIPPER 150 M          | 2"                                                      | 164 | 221 | 395 | 178 | 164 | 108 |   |   |
| SKIPPER 150 T          | 2"                                                      | 164 | 221 | 395 | 178 | 164 | 108 |   |   |
|                        |                                                         |     |     |     |     |     |     |   |   |
| SKIPPER 200 T          | 2"                                                      | 164 | 221 | 395 | 178 | 164 | 108 |   |   |
|                        |                                                         |     |     |     |     |     |     |   |   |
|                        |                                                         |     |     |     |     |     |     |   |   |

| MODELLO / <i>MODEL</i> | DIMENSIONI SCATOLA / <i>PACKING DIMENSIONS</i> |          |          |                      | DIMENSIONI PALLET / <i>PALLET DIMENSIONS</i> |          |          |                        |                      |
|------------------------|------------------------------------------------|----------|----------|----------------------|----------------------------------------------|----------|----------|------------------------|----------------------|
|                        | 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/cartons | Peso / Weight<br>Kg. |
| SKIPPER 80 M           | 190                                            | 230      | 410      | 10,5                 | 800                                          | 1200     | 1360     | 60                     | 650                  |
| SKIPPER 80 T           | 190                                            | 230      | 410      | 10,5                 | 800                                          | 1200     | 1360     | 60                     | 650                  |
| SKIPPER 100 M          | 190                                            | 230      | 410      | 11,5                 | 800                                          | 1200     | 1360     | 60                     | 715                  |
| SKIPPER 100 T          | 190                                            | 230      | 410      | 11,5                 | 800                                          | 1200     | 1360     | 60                     | 715                  |
| SKIPPER 150 M          | 190                                            | 230      | 410      | 13,5                 | 800                                          | 1200     | 1360     | 60                     | 835                  |
| SKIPPER 150 T          | 190                                            | 230      | 410      | 13,5                 | 800                                          | 1200     | 1360     | 60                     | 835                  |
|                        |                                                |          |          |                      |                                              |          |          |                        |                      |
| SKIPPER 200 T          | 190                                            | 230      | 410      | 13,5                 | 800                                          | 1200     | 1360     | 60                     | 835                  |
|                        |                                                |          |          |                      |                                              |          |          |                        |                      |
|                        |                                                |          |          |                      |                                              |          |          |                        |                      |

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

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