# MIZAR



## ELETTROPOMPE SOMMERGIBILI DRENAGGIO PER ACQUE CHIARE E SPORCHE
## *SUBMERSIBLE ELECTRIC PUMPS FOR WHITE AND DIRTY WATER DRAINAGE*

**PREVALENZA : 8,0 mt. - 12,5 mt.**
**PORTATA : 9,0 m3/h - 13,5 m3/h**
**POTENZA NOMINALE : 0,25 kW** (0,33 HP) ÷ **0,55 kW** (0,75 HP)
**PASSAGGIO SOLIDI FINO A 10 mm** (SERIE VOX 20 mm)

***PUMP HEAD*** ..... ***: 8,0 m to 12,5 m***
***DELIVERY*** ..... ***: 9,0 $m^3$/h to 13,5 $m^3$/h***
***RATED HORSEPOWER : 0.25 kW*** *(0.33 HP)* ***to 0.55 kW*** *(0.75 HP)*
***SOLID MATTER BYPASS up to 10 mm*** *(SERIE VOX 20 mm)*

### APPLICAZIONI

- SVUOTAMENTO DA ACQUE PIOVANE,D'INFILTRAZIONE, DI POZZETTI O VASCHE DI RACCOLTA.
- PRELIEVO DA VASCHE DI RACCOLTA DI ACQUE PIOVANE PER PICCOLE IRRIGAZIONI A SCORRIMENTO DI ORTI E DI GIARDINI.
- TRAVASO DI ACQUA CHIARA DA SERBATOI E VASCHE.
- POMPAGGIO DI ACQUE SPORCHE CON CORPI SOLIDI IN SOSPENSIONE (SOLO SERIE VOX).

### *APPLICATIONS*

- *RAIN, SEEPAGE, SUMP PIT AND CATCH TANK WATER PUMP OUT.*
- *GARDEN AND VEGETABLE-GARDEN MINI FLOOD IRRIGATION SYSTEM RAINWATER CATCH TANK PUMP DOWN.*
- *WHITE WATER PUMP OVER FROM RESERVOIRS AND VATS.*
- *PUMPING DIRTY WATER WITH POSSIBLE FLOATING SOLID CONTENTS (ONLY VOX SERIES).*





ARVEN®

## CARATTERISTICHE DI COSTRUZIONE:

- MOTORE A SECCO RAFFREDDATO DAL LIQUIDO POMPATO
- DOPPIA TENUTA MECCANICA: DOPPIO ANELLO DI TENUTA LATO MOTORE, TENUTA MECCANICA A BAGNO D'OLIO LATO POMPA
- IMMERSIONE MASSIMA: mt. 5.
- GRADO DI PROTEZIONE IP 68.
- CLASSE DI ISOLAMENTO: F
- TEMPERATURA MAX.LIQUIDO POMPATO: 50°C
- PASSAGGIO LIBERO: 10 mm MIZAR 30 - 60 - 75
  20mm MIZAR 60 VOX - 75 VOX
- VERSIONI: Monofase: 220-277V/50Hz o 220-277V/60Hz con protettore termico incorporato e condensatore permanentemente inserito.
  Trifase: 220-277V/50Hz o 380-480/50Hz e 220-277V/60Hz o 380-480/60Hz con protezione a carico dell'utente.
- CAVO STANDARD:
  Monofase: 10 metri H07RN-F per versione normale (aut.-man). 5 metri H07RN-F solo per versione automatica.
  Trifase: 10 metri H07RN-F.

SPECIALI VOLTAGGI E FREQUENZE A RICHIESTA.

## *DESIGN ENGINEERING:*

- *SEMI WET MOTOR WATERCOOLED*
- *DOUBLE MECHANICAL SEAL: DOUBLE SEAL RING -ENGINE FACE OIL BATH MECHANICAL SEALS PUMP FACE*
- *PERMISSIBLE DRAUGHT OF WATER: 5 m*
- *IP 68 PROTECTION CLASS.*
- *CLASS "F" INSULATION.*
- *MAX. PUMPED LIQUID TEMPERATURE: 50°C*
- *BY PASS SECTION: 10 mm MIZAR 30 - 60 - 75*
  *20mm MIZAR 60 VOX - 75 VOX*
- *VERSIONS: Single Phase: 220-277V/50Hz or 220-277V/60Hz with built in thermal protection and permanent capacitor.*
  *Three Phases: 220-277V/50Hz or 380-480V/50Hz and 220-277V/60Hz or 380-480V/60Hz with overload protection care of the user.*
- *STANDARD CABLE FEATURES:*
  *Single phase :10 metres H07RN-F for the standard version (automatic-manual). 5 metres H07RN-F only for the automatic version.*
  *Three phase: 10 meters H07RN-F.*

*CUSTOMISED VOLTAGE AND FREQUENCY RATING AVAILABLE ON DEMAND.*

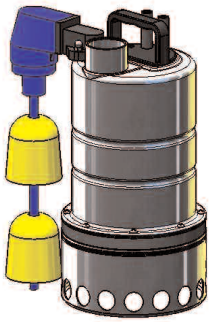
## ACCESSORI DISPONIBILI A RICHIESTA:

1. GALLEGGIANTE VERTICALE - VERTICAL
2. KIT ASPIRAZIONE 2mm - LOWER

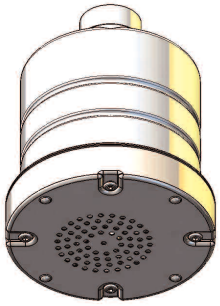
## *ACCESSORIES AVAILABLE ON DEMAND:*

1. *VERTICAL FLOATER - VERTICAL*
2. *KIT ASPIRATION 2mm - LOWER*

1



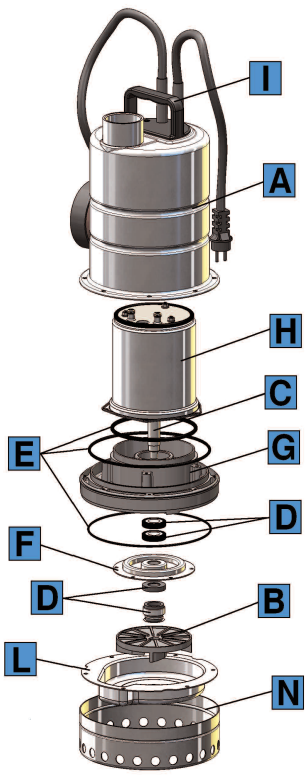
2



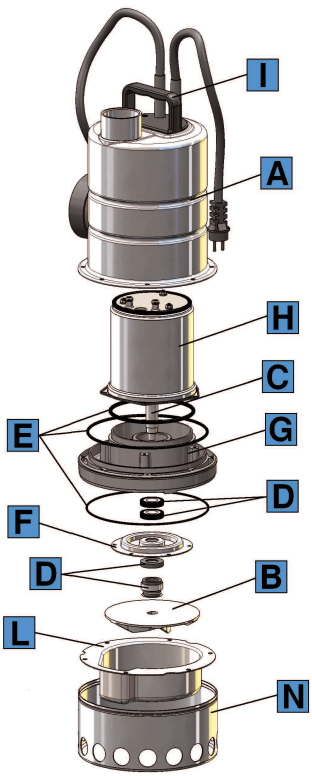
## TABELLA MATERIALI - *MATERIALS TABLE:*

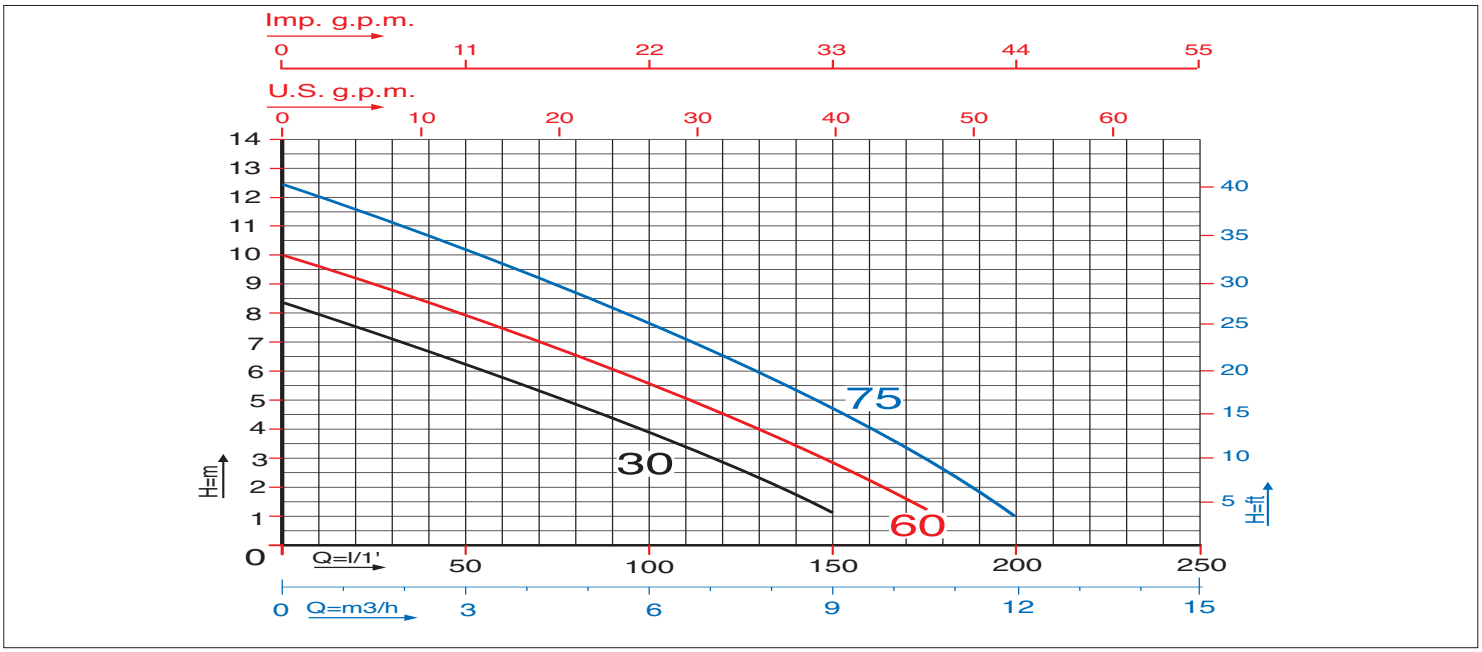
| Pos. | Componente - *Component* | | Materiale - *Materials* |
|---|---|---|---|
| A | Carcassa esterna / *External motor housing* | | ACCIAIO INOX AISI 304 - DIN 1.4301 / *STAINLESS STEEL* |
| B | Girante / *Impeller* | MIZAR 30 - 60 | TECNOPOLIMERO *TECNOPOLYMER* |
| | | MIZAR 75 - 60 VOX - 75 VOX | ACCIAIO INOX (AISI 304 - DIN 1.4305) / *STAINLESS STEEL* |
| C | Albero (lato pompa) / *Shaft (pump side)* | | ACCIAIO INOX AISI 303 - DIN 1.4005 / *STAINLESS STEEL* |
| D | Tenuta meccanica *Mechanical seal* | Lato pompa / *Pump face* | GRAFITE-CERAMICA *GRAPHITE - CERAMIC* |
| | | Lato motore / *Motor face* | DOPPIO ANELLO DI TENUTA NBR *NBR DOUBLE SEALING RING* |
| E | O-ring | | NBR |
| F | Porta tenuta / *Seal holder* | | ACCIAIO INOX AISI 304 - DIN 1.4301 / *STAINLESS STEEL* |
| G | Porta motore / *Motor holder* | | TECNOPOLIMERO *TECNOPOLYMER* |
| H | Cassa motore / *Motor housing* | | ACCIAIO INOX AISI 304 - DIN 1.4301 / *STAINLESS STEEL* |
| I | Coperchio / *Cover* | | TECNOPOLIMERO *TECNOPOLYMER* |
| L | Diffusore / *Diffuser* | | ACCIAIO INOX AISI 304 - DIN 1.4301 *STAINLESS STEEL* |
| N | Base d'aspirazione / *Suction base* | | |

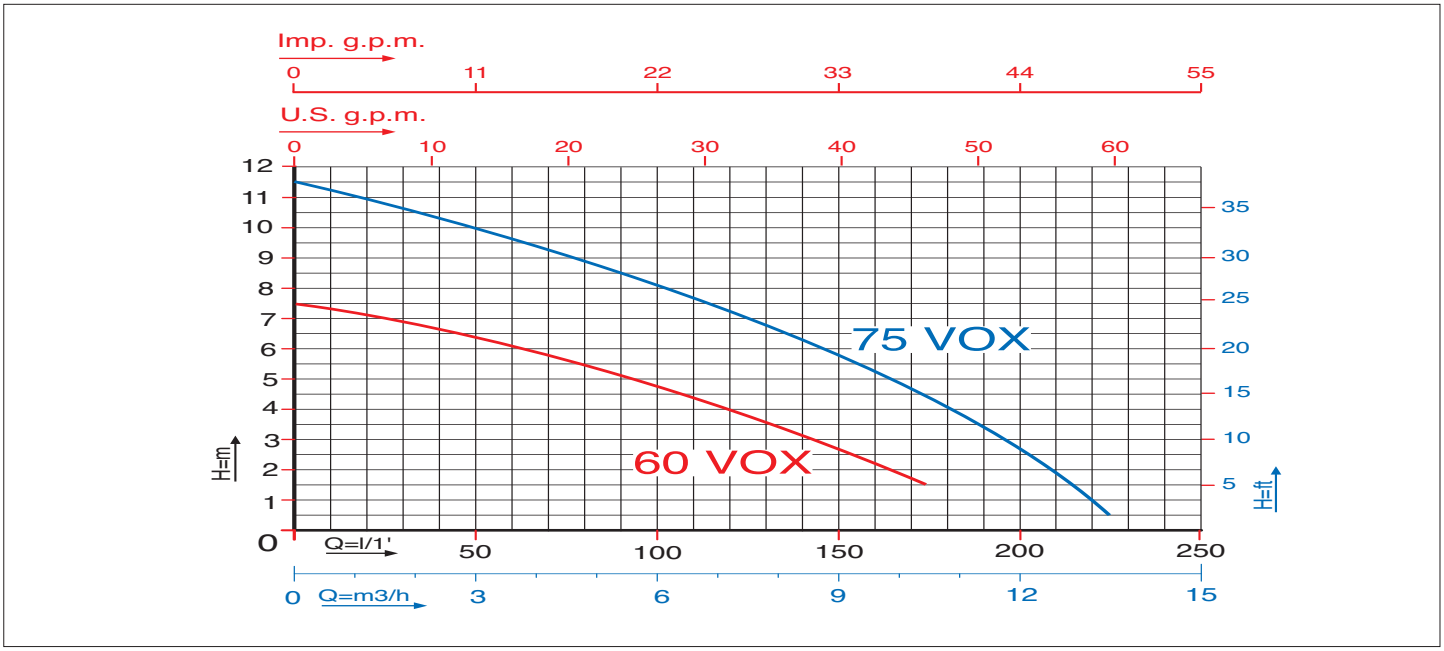
**MIZAR 30 - 60 - 75**




**MIZAR 60 VOX - 75 VOX**





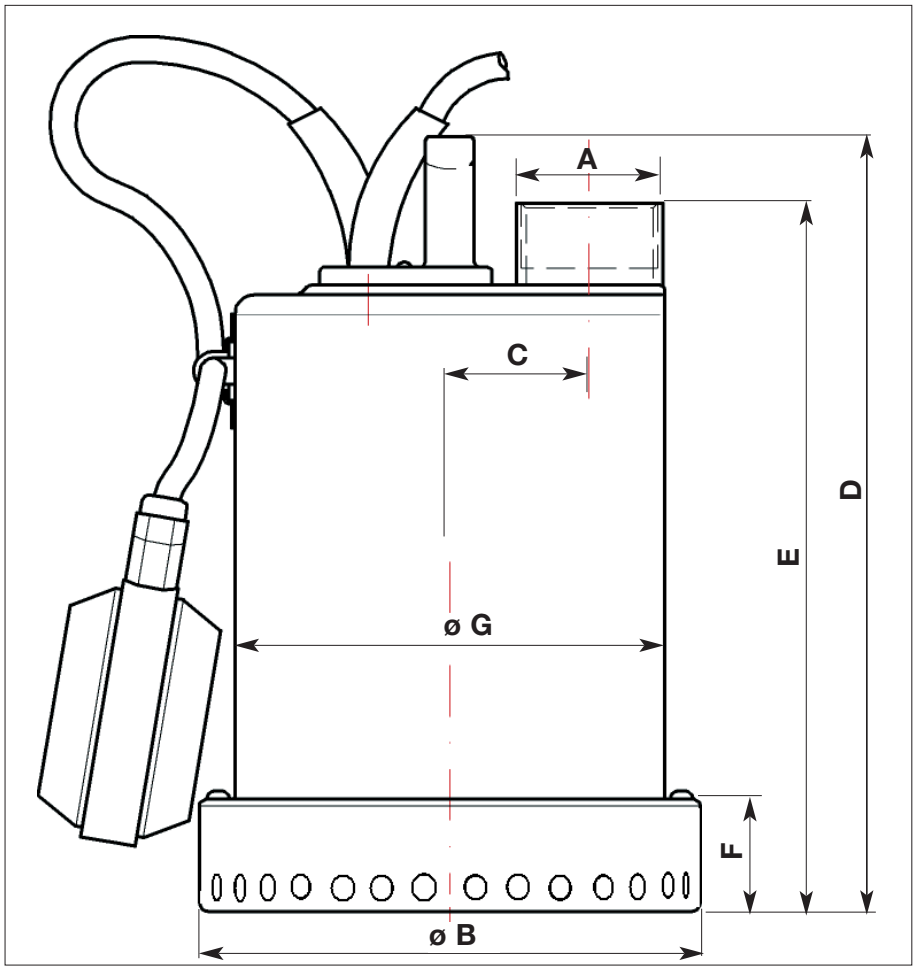



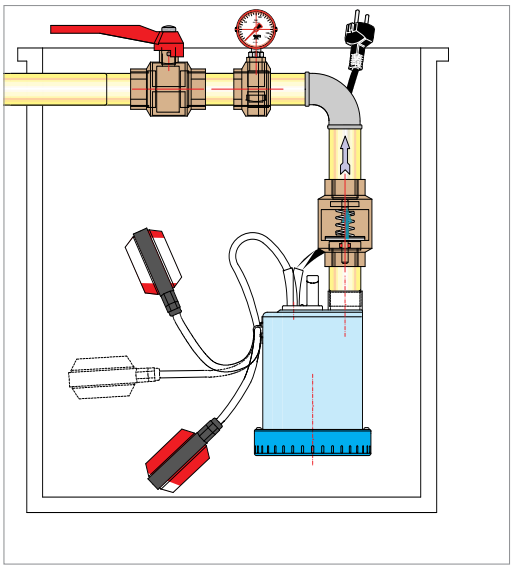

Caratteristiche di funzionamento a 2800 rpm 50Hz e 3450 rpm 60Hz - *Performances at 2800 rpm 50 Hz and 3450 rpm 60 Hz*
Le prestazioni valgono per liquidi con densità p = 1,0 kg/dm$^3$ ed una viscosità v = 1 mm$^2$/s / *The performance data holds true for liquids with a p = 1,0 kg/dm$^3$ density and a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

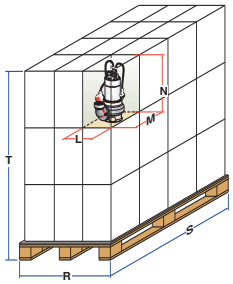
| MODELLO *MODEL* | VOLTAGGIO *VOLTAGE* | DATI ELETTRICI / *ELECTRICAL DATA* | | | | | | DATI IDRAULICI / *HYDRAULIC DATA* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **P1** max | **P2** nom. | | **I** max | Condensatore *Capacitor* | | m$^3$/h | 0 | 1,5 | 3 | 4,5 | 6 | 7,5 | 9 | 10,5 | 12 | 13,5 |
| | 50 Hz | kW | kW | HP | Ampere | µF | VC | l/min. | 0 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 |
| **MIZAR 30 M** | 1 x 220-230V | 0,5 | 0,25 | 0,33 | 2,2 | 8,0 | 450 | | **8,0** | **7,2** | **6,2** | **5,2** | **4,0** | **2,6** | **1,0** | --- | --- | --- |
| **MIZAR 60 M** | 1 x 220-230V | 0,7 | 0,45 | 0,6 | 3,0 | 10,0 | 450 | | **10,0** | **8,8** | **8,0** | **6,8** | **5,6** | **4,5** | **3,0** | **1,2** | --- | --- |
| **MIZAR 60 T** | 3 x 380-440V | 0,7 | 0,45 | 0,6 | 1,4 | --- | --- | | **10,0** | **8,8** | **8,0** | **6,8** | **5,6** | **4,5** | **3,0** | **1,2** | --- | --- |
| **MIZAR 75 M** | 1 x 220-230V | 1,0 | 0,55 | 0,75 | 4,8 | 16,0 | 450 | | **12,5** | **11,4** | **10,2** | **8,9** | **7,6** | **6,3** | **4,7** | **2,9** | **1,0** | --- |
| **MIZAR 75 T** | 3 x 380-440V | 0,9 | 0,55 | 0,75 | 2,1 | --- | --- | **H** (m) | **12,5** | **11,4** | **10,2** | **8,9** | **7,6** | **6,3** | **4,7** | **2,9** | **1,0** | --- |
| **MIZAR 60 VOX M** | 1 x 220-230V | 0,6 | 0,45 | 0,6 | 2,8 | 10,0 | 450 | | **7,5** | **7,0** | **6,4** | **5,5** | **4,6** | **3,4** | **2,6** | **1,5** | --- | --- |
| **MIZAR 60 VOX T** | 3 x 380-440V | 0,6 | 0,45 | 0,6 | 1,3 | --- | --- | | **7,5** | **7,0** | **6,4** | **5,5** | **4,6** | **3,4** | **2,6** | **1,5** | --- | --- |
| **MIZAR 75 VOX M** | 1 x 220-230V | 1,0 | 0,55 | 0,75 | 4,7 | 16,0 | 450 | | **11,5** | **10,8** | **10,0** | **9,2** | **8,2** | **7,0** | **5,8** | **4,4** | **2,5** | **0,5** |
| **MIZAR 75 VOX T** | 3 x 380-440V | 0,9 | 0,55 | 0,75 | 2,1 | --- | --- | | **11,5** | **10,8** | **10,0** | **9,2** | **8,2** | **7,0** | **5,8** | **4,4** | **2,5** | **0,5** |

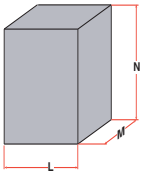
*PREVALENZA TOTALE in METRI COLONNA ACQUA*
*TOTAL PUMP HEAD AND WATER COLUMN HEIGHT IN m.*

## DIMENSIONI E PESI / *SIZE AND WEIGHT DATA* :






| MODELLO *MODEL* | DIMENSIONI POMPA in mm. / *PUMP DIMENSIONS in mm.* | | | | | | |
|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G |
| MIZAR 30 | 1" 1/4 | 154 | 41 | 249 | 228 | 50 | 132 |
| MIZAR 60 | 1" 1/4 | 154 | 41 | 249 | 228 | 50 | 132 |
| MIZAR 75 | 1" 1/4 | 154 | 41 | 259 | 228 | 50 | 132 |
| MIZAR 60 VOX | 1" 1/4 | 154 | 41 | 282 | 261 | 74 | 132 |
| MIZAR 75 VOX | 1" 1/4 | 154 | 41 | 302 | 261 | 74 | 132 |

| 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 |
| MIZAR 30 | 220 | 190 | 330 | 5,5 | 800 | 1200 | 1465 | 80 | 450 |
| MIZAR 60 | 220 | 190 | 330 | 6,2 | 800 | 1200 | 1465 | 80 | 506 |
| MIZAR 75 | 220 | 190 | 330 | 7,0 | 800 | 1200 | 1465 | 80 | 570 |
| MIZAR 60 VOX | 220 | 190 | 330 | 6,5 | 800 | 1200 | 1465 | 80 | 530 |
| MIZAR 75 VOX | 220 | 190 | 330 | 7,0 | 800 | 1200 | 1465 | 80 | 570 |