

# OMA50D

Pompa centrifuga orizzontale, monoblocco, albero a sbalzo, tenuta meccanica interna, bilanciata  
*Close coupled horizontal centrifugal pump, end suction, single stage, internal, balanced mechanical seal*  
*Pompe centrifuge horizontale, à un étage, garniture mécanique, équilibrée lubrifiée par le liquid pompé*

girante sospesa aperta  
*open overhung impeller*  
*roue ouverte en porte-à-faux*

Ø 165

Bocchelli aspirazione/mandata  
*Nozzles suction/discharge*  
*Bride aspiration/refoulement*

Portagomma – Hose adaptor – Embout cannelé

Ø 60 mm

Flangia libera – Backing ring – Bride libre

DN50

Filetto femmina – Parallel threaded – Femelles taraudée

2"

Peso netto - *net weight*

18/20 kg

Peso lordo - *gross weight*

27/30 kg

Dimensioni - *dimensions*

75X40X40 cm

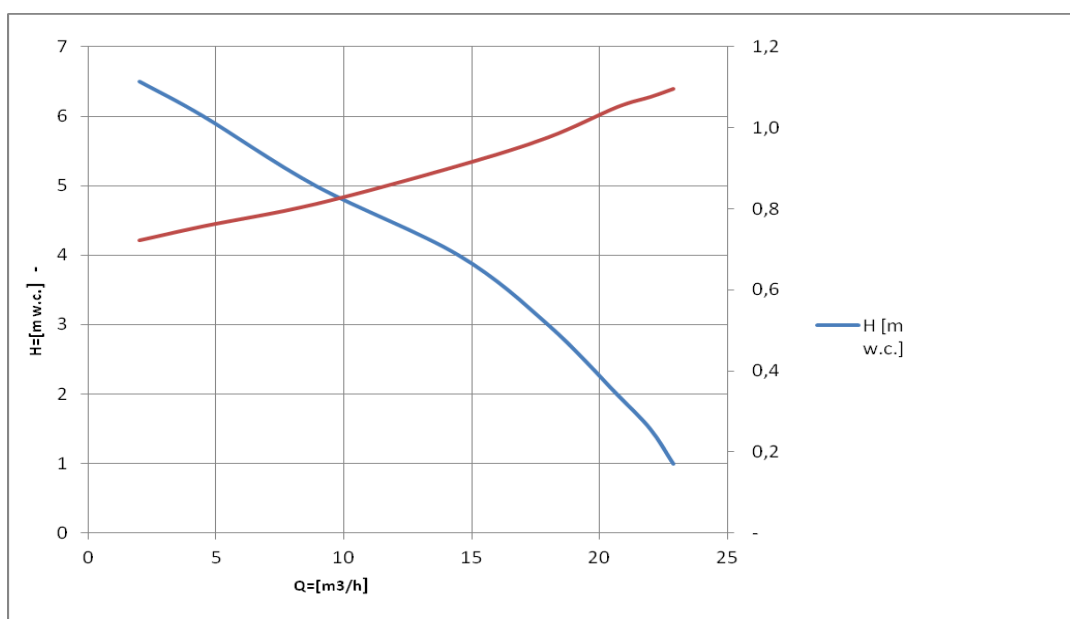
Motore elettrico trifase CVE  
*Three-phases electric motor TEFC*  
*Moteur électrique triphasés FVE*

KW 1,1 – 1450 rpm - IP55 - F/B Insulation class - Volt 400/430 -230/260 Hz 50

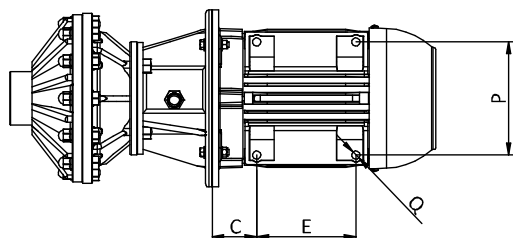
## Caratteristiche di funzionamento - Performance data - Données

|    | <i>current</i> | <i>pot. ass.-ads. power-puiss.abs.</i> |     |     | <i>portata-delivery-débit</i> |      | <i>head</i> | <i>eff.</i> | kW 1,1   | KW 1,5   |       |
|----|----------------|----------------------------------------|-----|-----|-------------------------------|------|-------------|-------------|----------|----------|-------|
| No | V              | A                                      | kW  | HP  | l/min                         | m³/h | m w.c.      | %           | SG kg/m³ | SG kg/m³ | dB(A) |
| 1  | 400            | 2.2                                    | 1.0 | 1.4 | 240                           | 22.9 | 1           | 6           | 1000     | 1400     | ≤ 75  |
| 2  |                | 2.2                                    | 1.0 | 1.4 | 190                           | 20.7 | 2           | 10          | 1000     | 1400     |       |
| 3  |                | 2.1                                    | 1.0 | 1.4 | 150                           | 17.0 | 3           | 13          | 1000     | 1400     |       |
| 4  |                | 2.0                                    | 1.0 | 1.4 | 110                           | 14.5 | 4           | 18          | 1000     | 1400     |       |
| 5  |                | 1.8                                    | 0.9 | 1.3 | 50                            | 9.0  | 5           | 15          | 1200     | 1500     |       |
| 6  |                | 1.6                                    | 0.9 | 1.3 | 15                            | 4.5  | 6           | 10          | 1300     | 1500     |       |
| 7  |                | 1.5                                    | 0.8 | 1.2 | 0                             | 0    | 7           | 0           | 1400     | 1600     |       |
| 8  |                |                                        |     |     |                               |      |             |             |          |          |       |
| 9  |                |                                        |     |     |                               |      |             |             |          |          |       |
| 10 |                |                                        |     |     |                               |      |             |             |          |          |       |

## Curva – Curve - Curbe



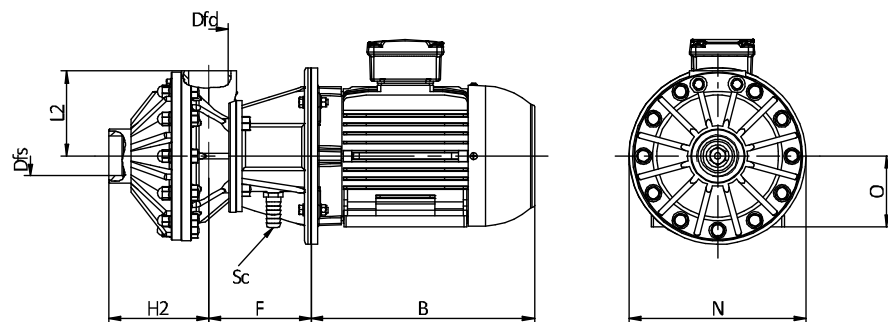
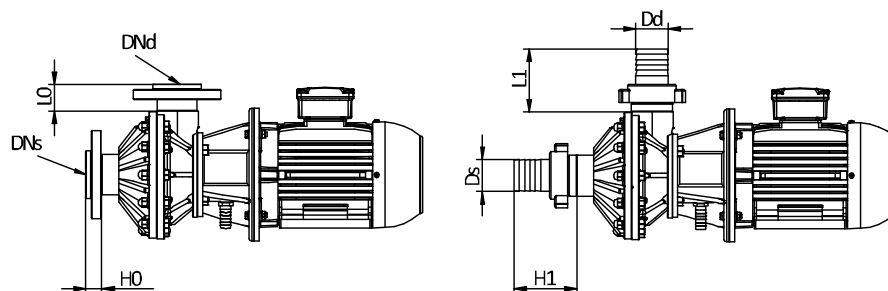
## OMA50 – PP / PVC / PVDF


Motore – *Motor*

| kW  | Poles | IEC Frame | B <sup>1</sup> | C  | E   | O   | P   | Q  |     | kg <sup>1</sup> |
|-----|-------|-----------|----------------|----|-----|-----|-----|----|-----|-----------------|
| 1.1 | 4     | 90S       | 255            | 56 | 100 | 90  | 140 | 10 | M8  | 19.5            |
| 2.2 | 2     | 90L       | 270            | 56 | 125 | 90  | 140 | 10 | M8  | 23.5            |
| 3   | 2     | 100L      | 315            | 63 | 140 | 100 | 160 | 12 | M10 | 32              |
| 4   | 2     | 112M      | 330            | 70 | 140 | 112 | 190 | 12 | M10 | 41              |
| 5.5 | 2     | 132S      | 370            | 89 | 140 | 132 | 216 | 12 | M10 | 65              |

Pompa – *Pump*

| IEC Frame | F   | H2                      | L2  | N   | Sc <sup>2</sup> | kg <sup>1</sup> (PP) |
|-----------|-----|-------------------------|-----|-----|-----------------|----------------------|
| 90S       | 142 | 145<br>179 <sup>6</sup> | 120 | 240 | Ø20             | 4.5                  |
| 90L       | 142 | 145<br>179 <sup>6</sup> | 120 | 240 | Ø20             | 4.5                  |
| 100L      | 142 | 145<br>179 <sup>6</sup> | 120 | 250 | Ø20             | 4.5                  |
| 112M      | 142 | 145<br>179 <sup>6</sup> | 120 | 250 | Ø20             | 4.5                  |
| 132S      | 142 | 145<br>179 <sup>6</sup> | 120 | 270 | Ø20             | 4.5                  |


Filetto femmina – *Female threaded* <sup>(+)</sup>

Flangia libera – *Backing ring*

Portagomma – *Hose adaptor* <sup>(++)</sup>

Attacchi – *Connections*

|                                                                        | H0 | DNs      | L0 | DNd      | H1  | Ds | L1  | Dd | Dfs | Dfd |
|------------------------------------------------------------------------|----|----------|----|----------|-----|----|-----|----|-----|-----|
| Flangia libera<br><i>Backing ring</i> <sup>3</sup>                     | 30 | d63 DN50 | 50 | d63 DN50 | -   | -  | -   | -  | -   | -   |
| Flangia libera<br><i>Backing ring</i> <sup>4</sup>                     | 30 | 2"       | 50 | 2"       | -   | -  | -   | -  | -   | -   |
| Portagomma<br><i>Hose adaptor</i> <sup>5</sup> <sup>(+)</sup>          | -  | -        | -  | -        | 120 | 50 | 120 | 50 | -   | -   |
| Filetto femmina<br><i>Female threaded</i> <sup>55</sup> <sup>(+)</sup> | -  | -        | -  | -        | -   | -  | -   | -  | 2 G | 2 G |

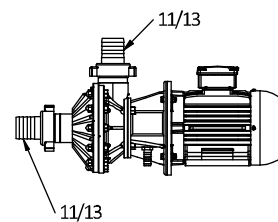
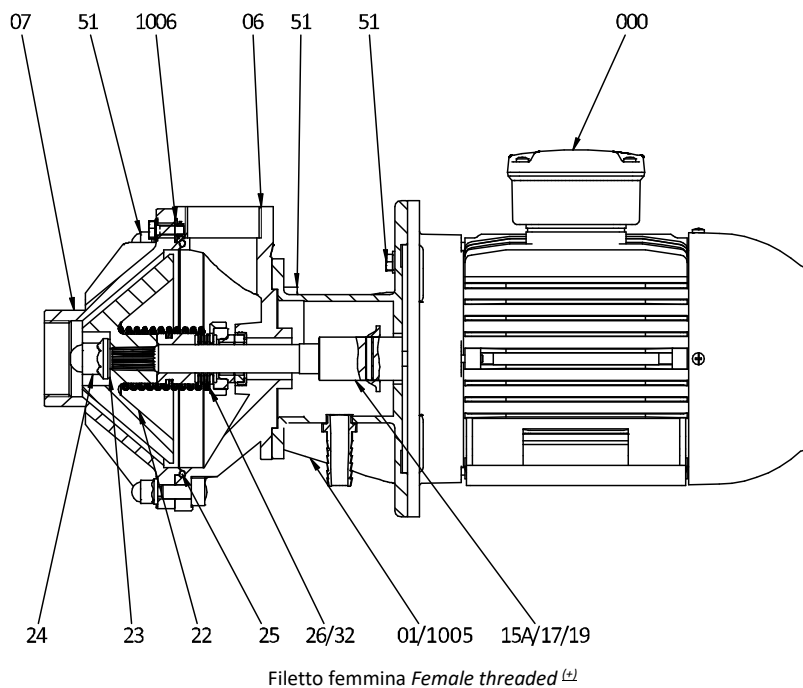
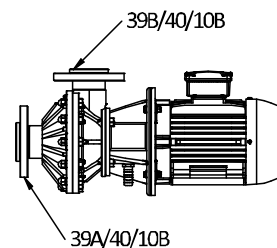
<sup>(+)</sup> Solo per PP e PVC. *Only for PP and PVC*
<sup>(++)</sup> Solo per PP. *Only for PP*
<sup>1</sup>Dimensioni e pesi suscettibili di variazione - *Dimensions and weights subject to variations*
<sup>2</sup>Portagomma di drenaggio in caso di rottura della tenuta meccanica - *Hose drain in case of failure of the mechanical seal*
<sup>3</sup>PN10/16 EN1092-1 (DIN 2501)

<sup>4</sup>ANSI B 16.5 150 lbs

<sup>5</sup>ISO 228/1

<sup>6</sup>OMA50C: Girante chiusa – *Closed impeller*

## OMA50 – PP / PVC / PVDF


Portagomma Hose adaptor <sup>(+)</sup>


Flangia libera Backing ring

| Codice - Part-No. | Denominazione                                 | Designation                           | Qt. |
|-------------------|-----------------------------------------------|---------------------------------------|-----|
| 00                | Motore                                        | Motor                                 | 1   |
| 01/1005           | Castelletto motore                            | Motor stool                           | 1   |
| 06                | Corpo pompa                                   | Pump casing                           | 1   |
| 07                | Coperchio pompa                               | Pump cover                            | 1   |
| 11/13             | Portagomma                                    | Hose adaptor                          | 2   |
| 15A/17/19         | Albero completo                               | Complete shaft                        | 1   |
| 22                | Girante                                       | Impeller                              | 1   |
| 23                | Rondella girante                              | Impeller washer                       | 1   |
| 24                | Dado girante                                  | Impeller nut                          | 1   |
| 25                | O Ring                                        | O Ring                                | 1   |
| 26/32             | Tenuta meccanica                              | Mechanical seal                       | 1   |
| 39A/42/10B        | Collare – Flangia libera – O Ring Aspirazione | Stub – Backing ring – O Ring Suction  | 1   |
| 39B/42/10B        | Collare – Flangia libera – O Ring Mandata     | Stub – Backing ring – O Ring Delivery | 1   |
| 51                | Serie Bulloneria/Rondelle                     | Nuts/Bolts/Washers Set                | 1   |
| 1006              | Rondella                                      | Washer                                | 2   |

## OPZIONI MATERIALI – MATERIAL OPTIONS

|                     |                  |                           |
|---------------------|------------------|---------------------------|
| Corpo               | Pump casing      | PP - PVC - PVDF           |
| Coperchio - Girante | Cover - Impeller | PP - PVC - PVDF - PEHD    |
| Tenuta meccanica    | Mechanical seal  | PTFE/Al2O3 - PTFE/SiC     |
| Albero              | Shaft            | SS / PP - PVC - PVDF      |
| O Ring              | O Ring           | EPDM - FPM - PFA          |
| Bulloneria          | Bolts and nuts   | SS - BR / PP - PVC - PVDF |

<sup>(+)</sup> Solo per PP e PVC. Only for PP and PVC

<sup>(++)</sup> Solo per PP. Only for PP