
the technological division of Cima S.p.A.

INNOVATION AND CUSTOMIZATION FOR MARKET NEEDS

## CIMA S.p.A. AND METAX ${ }^{\circledR}$ DIVISION HISTORY

Cima S.p.A. was the brainchild of Pompilio Dordoni and Lodovico Necchi, who joined courage, experience and market knowledge when they started their business venture.

Founded in July 1961, Cima originally dealt with carpentry and plant parts for the cement industry. In March 1977, the company "Sicom" was founded, specialising in the production of calendered goods. In March 1987, the two partners set up a new company called "Metax", whose core business was the design and production of machines and plants for specialised construction industries.
In April 2001, Cima, Sicom and Metax merged, and founded "Cima S.p.A.".
This new company is still operative today, offering the same three individual types of production.
In 2002, Metax ${ }^{\circledR}$ became a registered brand that is renowned worldwide for its production of high-quality motor pumps and plants in the geotechnical field.

The history of Cima S.p.A. is the result of a passion shared by two friends, which continues to inspire innovation in the sectors of medium-heavy carpentry, special fittings, oil \& gas, specialised construction and the cement industry.

Cima S.p.A. has now been divided in 2 business areas:


Carpentry and Special Fitting Division

Petrochemical and Geotechnical Division (1)METAX
the technological division of Cima S.p.A.

Metax ${ }^{\circledR}$, the technological division of Cima S.p.A., is highly specialized in the construction of high-pressure pumps for jet grouting applications, pumping of drilling muds and the transfer of liquid in general, as well as the production of batching plants, mixture store tanks, injection pumps for specialised civil engineering and geotechnics. Furthermore, it has diversified its production by focusing on oil \& gas drilling and directional drilling.

Metax ${ }^{\circledR}$ division provides consistent technical support to clients anywhere in the world. Specific geotechnical consultancy support helps clients to choose drilling and injection systems, provides information on the type of equipment to be used, and gives support in managing building sites; including start-up and, where necessary, in-house training.

Thanks to the investment in personnel, its strong leadership and innovative approach to key industries, Metax ${ }^{\circledR}$ division continues to be at the forefront on the geotechnical market, and the future holds new real estate investments, new products and new services.

## QUALITY: PRIMARY OBJECTIVE

Cima S.p.A. Quality Management System is approved to ISO 9001 by Bureau Veritas for:

- design and production of metal carpentry, pressure vessels, pipes and butt welding fittings;
- production of special pieces;
- design and production of high-pressure pumps for jet grouting and the pumping of drilling muds;
- design and production of automatic batching plants for the preparation of cement-based and bentonite mixtures.



## METAX ${ }^{\circledR}$ DIVISION MAIN PRODUCTS

Metax ${ }^{\circledR}$ division product range covers the main phases of the soil consolidation process and of both oil \& gas and directional drilling: storage, batching, injection, pumping of cement, mud or water. Metax ${ }^{\circledR}$ plants and machines include horizontal silos, batching plants, injection pumps, batching and injection plants, motor pumps.

| STORAGE | BATCHING | INJECTION | PUMPING |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { SLH25 } \\ & \text { SLH26 } \\ & \text { SLH28 } \\ & \text { SLH33 } \\ & \text { SLH38 } \\ & \text { SLH44 } \\ & \text { SLH48 } \end{aligned}$ | $\begin{gathered} \text { JM18 } \\ \text { JM24PV } \\ \text { JM30 } \\ \text { JM33PV } \\ \text { JM40PV } \end{gathered}$ | IC90 <br> IC90S <br> IC120 <br> IC120S <br> IM90 <br> IM90S <br> IM115 <br> IM140 <br> IM190 <br> IM190S | Jet grouting <br> MP4 <br> MP5 <br> MP5-550S <br> MP7 <br> MP7-610 <br> MP7-800ST <br> MP7-1000HD |
|  | $\begin{aligned} & \text { JMP5D-60 } \\ & \text { JMP5DVA-50 } \\ & \text { JMP5DVA-60 } \\ & \text { JMP5E } \\ & \text { JMP5EV } \\ & \text { JMP8 } \\ & \text { JMP8S } \\ & \text { JMP12 } \\ & \text { JMP24 } \end{aligned}$ |  | Mud MP7M MP9M Water MP7W MP7W-1000HD |



In line with the values of the mother company Cima S.p.A., Metax ${ }^{\circledR}$ division, pays great attention to the quality of its production. In this respect, all components of machines and equipment are carefully checked before being assembled, in order to comply with the project specifications. Even after assembly, machines and equipment are subject to strict quality control tests to check the functionality of every component. Proper transport to the customer's premises is also one of the primary objectives of Metax ${ }^{\oplus}$ division, thus the machines and equipment housed in containers are provided with a temporary or permanent CSC Certificate, allowing sea shipping when required.

## MOTOR PUMPS

The motor pumps that Metax ${ }^{\circledR}$, technological division of Cima S.p.A., offers on the market are particularly reliable for tasks such as:

- Jet grouting;
- Wells for gas and/or hydrocarbons research and exploitation;
- Drilling of water wells;
- Drilling of large diameters and great depths;
- Operations in the geothermal field, directional drilling and microtunneling.

Each of them is equipped with a diesel engine, a manual or automatic gearbox, a cardan shaft with pumping unit consisting in a triplex pump. All components and units are housed in a $20^{\prime}$ container.
The motor pumps can be equipped with the following options according to the customer's needs:

- Booster pumps, including wheels and electrical panel;
- Datalogger;
- Remote control panel (cable or radio control).

Before being mechanically machined, the pump and drive housings undergo a stress relieving heat treatment, in order to minimize residual stresses in the structure.


|  |  | JET PUMP |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | MP4 | MP5 | MP5-550S | MP7 | MP7-610 |
| Max flow rate | 1/min gpm | $\begin{aligned} & 430 \\ & 114 \end{aligned}$ | $\begin{aligned} & 550 \\ & 145 \end{aligned}$ | $\begin{aligned} & 550 \\ & 145 \end{aligned}$ | $\begin{gathered} 1450 \\ 383 \end{gathered}$ | $\begin{aligned} & 750 \\ & 198 \end{aligned}$ |
| Max pressure | bar psi | $\begin{gathered} 700 \\ 10153 \end{gathered}$ | $\begin{gathered} 800 \\ 11603 \end{gathered}$ | $\begin{gathered} 800 \\ 11603 \end{gathered}$ | $\begin{gathered} 900 \\ 13053 \end{gathered}$ | $\begin{gathered} 800 \\ 11603 \end{gathered}$ |
| Max power installed | $\begin{gathered} k W \\ h p \end{gathered}$ | $\begin{aligned} & 255 \\ & 340 \end{aligned}$ | $\begin{aligned} & 410 \\ & 550 \end{aligned}$ | $\begin{aligned} & 410 \\ & 550 \end{aligned}$ | $\begin{gathered} 760 \\ 1020 \end{gathered}$ | $\begin{aligned} & 455 \\ & 610 \end{aligned}$ |
| Suction | $\begin{gathered} m m \\ i n \end{gathered}$ | $\begin{gathered} 88,9 \\ 3 \end{gathered}$ | $\begin{gathered} 101,7-114,3 \\ 31 / 2-4 \end{gathered}$ | $\begin{gathered} 101,7-114,3 \\ 31 / 2-4 \end{gathered}$ | $\begin{gathered} 114,3-139,7-168,3 \\ 4-5-6 \end{gathered}$ | $114,3$ |
| Delivery | $\begin{gathered} \mathrm{mm} \\ \text { in } \end{gathered}$ | $\begin{aligned} & 42,4 \\ & 11 / 4 \end{aligned}$ | $\begin{gathered} 42,4-48,3-60,3 \\ 11 / 4-11 / 2-2 \end{gathered}$ | $\begin{gathered} 48,3-60,3 \\ 11 / 2-2 \end{gathered}$ | $\begin{gathered} 48,3-60,3-76,1 \\ 11 / 2-2-21 / 2 \end{gathered}$ | $\begin{gathered} 48,3-60,3 \\ 11 / 2-2 \end{gathered}$ |
| Weight | $\begin{aligned} & \mathrm{kg} \mathrm{10} \\ & \mathrm{lb} 10^{3} \end{aligned}$ | $\begin{gathered} 8 \div 11,5 \\ 17,6 \div 25,3 \end{gathered}$ | $\begin{gathered} 13 \div 14 \\ 28,6 \div 30,8 \end{gathered}$ | $\begin{gathered} 14 \\ 30,8 \end{gathered}$ | $\begin{gathered} 14,5 \div 22 \\ 31,9 \div 48,4 \end{gathered}$ | $\begin{aligned} & 14,5 \\ & 31,9 \end{aligned}$ |



| JET PUMP |  | MUD PUMP |  | WATER PUMP |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| MP7-800ST | MP7-1000HD | MP7M | MP9M | MP7W | MP7W-1000HD |
| $\begin{aligned} & 900 \\ & 238 \end{aligned}$ | $\begin{gathered} 1450 \\ 383 \end{gathered}$ | $\begin{gathered} 1100 \\ 290 \end{gathered}$ | $\begin{gathered} 2200 \\ 581 \end{gathered}$ | $\begin{aligned} & 4600 \\ & 1214 \end{aligned}$ | $\begin{aligned} & 4600 \\ & 1214 \end{aligned}$ |
| $\begin{gathered} 900 \\ 13053 \end{gathered}$ | $\begin{gathered} 840 \\ 12183 \end{gathered}$ | $\begin{gathered} 360 \\ 5221 \end{gathered}$ | $\begin{gathered} 360 \\ 5221 \end{gathered}$ | $\begin{gathered} 230 \\ 3336 \end{gathered}$ | $\begin{gathered} 230 \\ 3336 \end{gathered}$ |
| $\begin{aligned} & 597 \\ & 800 \end{aligned}$ | $\begin{gathered} 760 \\ 1020 \end{gathered}$ | $\begin{aligned} & 537 \\ & 720 \end{aligned}$ | $\begin{aligned} & 522 \\ & 800 \end{aligned}$ | $\begin{gathered} 760 \\ 1020 \end{gathered}$ | $\begin{gathered} 760 \\ 1020 \end{gathered}$ |
| $\begin{gathered} 114,3 \div 139,7 \\ 4-5 \end{gathered}$ | $\begin{gathered} 139,7 \div 168,3 \\ 5-6 \end{gathered}$ | $\begin{gathered} 114,3 \\ 4 \end{gathered}$ | $\begin{gathered} 273 \\ 10 \end{gathered}$ | $\begin{gathered} 168,3-190,8-219,1 \\ 6-7-8 \end{gathered}$ | $\begin{gathered} 190,8-219,1 \\ 7-8 \end{gathered}$ |
| $\begin{gathered} 60,3 \\ 2 \end{gathered}$ | $\begin{aligned} & 76,1 \\ & 21 / 2 \end{aligned}$ | $\begin{aligned} & 48,3 \\ & 11 / 2 \end{aligned}$ | $\begin{gathered} 88,9-114,3 \\ 3-4 \end{gathered}$ | $\begin{gathered} 88,9-114,3 \\ 3-4 \end{gathered}$ | $\begin{gathered} 114,3 \\ 4 \end{gathered}$ |
| $\begin{gathered} 18 \\ 39,6 \end{gathered}$ | $\begin{gathered} 22 \\ 48,4 \end{gathered}$ | $\begin{gathered} 16 \\ 35,2 \end{gathered}$ | $\begin{gathered} 31 \\ 68,2 \end{gathered}$ | $\begin{gathered} 14 \div 23 \\ 30,8 \div 50,6 \end{gathered}$ | $\begin{gathered} 23 \\ 50,6 \end{gathered}$ |

## BATCHING AND INJECTION PLANTS

Batching and injection plants have been designed in such a way as to gather the necessary components, which carry out both the mixing and the pumping of the cement mixture in one single machine, while maintaining a good dimensional compactness.

As regards to the design and manufacturing of Metax ${ }^{\circledR}$, the technological division of Cima S.p.A., two different types of equipment can be distinguished:

- Equipment that uses triplex pumps with engines up to 405 kW and that works under high pressure and flow rate values. It is assembled in $20^{\prime}$ and $30^{\prime}$ containers.
- Equipment that uses screw pumps (low pressure range) or single piston pumps (low/high pressure range), which are assembled in $10^{\prime}$ containers or on comfortable skids that guarantee reduced dimensions.

Both types of equipment are equipped with a mixing tank, an agitator tank and, in some cases only, a tank for water storage.



## BATCHING PLANTS

Batching plants are used for producing cement mixtures. Metax ${ }^{\circledR}$, the technological division of Cima S.p.A., offers a wide product range that satisfies all market needs.

The batching plants manufactured by Metax ${ }^{\circledR}$ division, are equipped with devices, which, thanks to other suitable equipment, are able to control the weighting and mixing process up to 4 liquid components and 3 powder components automatically.

The batching plants are classified according to the mixing capacity rate $[\mathrm{m} / \mathrm{h}]$ that is calculated according to a mixture of water and cement powder based on a 1:1 ratio.

|  |  | JM18 | JM24PV | JM30 | JM33PV | JM40PV |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Max mixing capacity double mixture ratio (1/1) | $\begin{gathered} m^{3} / h \\ g p h \end{gathered}$ | $\begin{gathered} 18 \\ 4750 \end{gathered}$ | $\begin{gathered} 24 \\ 6350 \end{gathered}$ | $\begin{gathered} 30 \\ 7900 \end{gathered}$ | $\begin{gathered} 33 \\ 8700 \end{gathered}$ | $\begin{gathered} 40 \\ 10600 \end{gathered}$ |
| Min - Max electric power | $\min k W$ $\max k W$ | $\begin{aligned} & 22,5 \\ & 28,5 \end{aligned}$ | $\begin{aligned} & 28 \\ & 65 \end{aligned}$ | $\begin{aligned} & 33 \\ & 61 \end{aligned}$ | $\begin{aligned} & 38 \\ & 60 \end{aligned}$ | $\begin{aligned} & 48 \\ & 78 \end{aligned}$ |
| Mixer load capacity | $\begin{gathered} 1 \\ \text { gal } \end{gathered}$ | $\begin{aligned} & 550 \\ & 145 \end{aligned}$ | $\begin{gathered} 2000 \\ 528 \end{gathered}$ | $\begin{gathered} 1450 \\ 382 \end{gathered}$ | $\begin{gathered} 2000 \\ 528 \end{gathered}$ | $\begin{gathered} 2000 \\ 528 \end{gathered}$ |
| Storage tank with agitator load capacity | $\begin{gathered} \text { l } \\ \text { gal } \end{gathered}$ | $\begin{gathered} 3000 \\ 792 \end{gathered}$ | $\begin{gathered} 2500 \\ 660 \end{gathered}$ | $\begin{gathered} 3200 \\ 845 \end{gathered}$ | $\begin{aligned} & 4200 \\ & 1109 \end{aligned}$ | $\begin{aligned} & 4200 \\ & 1109 \end{aligned}$ |
| Water tank max capacity | $\begin{gathered} 1 \\ \text { gal } \end{gathered}$ | $\begin{aligned} & 900 \\ & 238 \end{aligned}$ | $\begin{gathered} 1150 \\ 303 \end{gathered}$ | $\begin{gathered} 2000 \\ 528 \end{gathered}$ | $\begin{gathered} 2000 \\ 528 \end{gathered}$ | $\begin{gathered} 2000 \\ 528 \end{gathered}$ |
| Weight | $\begin{aligned} & \mathrm{kg} \\ & \mathrm{lb} \end{aligned}$ | $\begin{aligned} & 3000 \\ & 6600 \end{aligned}$ | $\begin{gathered} 6500 \\ 14300 \end{gathered}$ | $\begin{gathered} 6000 \\ 13200 \end{gathered}$ | $\begin{gathered} 7000 \\ 15400 \end{gathered}$ | $\begin{gathered} 7000 \\ 15400 \end{gathered}$ |



Cement loading hose


## INJECTION PUMPS

The injection pumps that Metax ${ }^{\circledR}$, the technological division of Cima S.p.A., offers on the market are designed for:

- Drilling applications;
- Micro-piles filling;
- TBM applications.

The injection pumps are equipped with a double effect single piston.
They are made for cement mixtures from 1 up to $2,5 \mathrm{~kg} / \mathrm{dm}^{3}$ density, depending on the model. The flow rate and the pressure that must be pumped, can be regulated independently. The hydraulic system allows to keep the line under pressure. Therefore, a return line is not necessary and the pump operation must not be stopped.

The IC models offer the possibility of switching from low to high pressure mode.
All models are mounted on frame with their own control panel and hydraulic power unit, or sold like bare pump for the installation on a drill rig.


|  |  | IC90 | IC90S | IC120 | IC120S | IM90 |  |  | IM90S |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Max electric power | kW | 5,5 | 7,5 | 5,5 | 7,5 |  | 22 |  |  |  |
| Stroke | $\begin{gathered} m m \\ i n \end{gathered}$ | $\begin{aligned} & 200 \\ & 73 / 4 \end{aligned}$ | $200$ | $\begin{aligned} & 200 \\ & 73 / 4 \end{aligned}$ | $\begin{aligned} & 200 \\ & 73 / 4 \end{aligned}$ |  | $\begin{gathered} 330 \\ 13 \end{gathered}$ |  |  |  |
| Cylinder diameter | $\begin{gathered} \mathrm{mm} \\ \text { in } \end{gathered}$ | $\begin{gathered} 90 \\ 31 / 2 \end{gathered}$ | $\begin{aligned} & 90 \\ & 31 / 2 \end{aligned}$ | $\begin{aligned} & 120 \\ & 43 / 4 \end{aligned}$ | $\begin{aligned} & 120 \\ & 43 / 4 \end{aligned}$ | $\begin{gathered} 88,9 \\ 31 / 2 \end{gathered}$ | $\begin{gathered} 100 \\ 4 \end{gathered}$ | $\begin{gathered} 114,3 \\ 41 / 2 \end{gathered}$ | $\begin{gathered} 88,9 \\ 31 / 2 \end{gathered}$ | $\begin{gathered} 100 \\ 4 \end{gathered}$ |
| Max flow rate | $1 / \mathrm{min}$ gpm | $\begin{aligned} & 36 \\ & 9,5 \end{aligned}$ | $\begin{aligned} & 36 \\ & 9,5 \end{aligned}$ | $\begin{gathered} 63 \\ 16,6 \end{gathered}$ | $\begin{gathered} 63 \\ 16,6 \end{gathered}$ | $\begin{gathered} 123 \\ 32 \end{gathered}$ | $\begin{gathered} 150 \\ 40 \end{gathered}$ | $\begin{gathered} 201 \\ 53 \end{gathered}$ | $\begin{aligned} & 100 \\ & 26,4 \end{aligned}$ | $\begin{gathered} 125 \\ 33 \end{gathered}$ |
| Max pressure | bar <br> psi | $\begin{gathered} 100 \\ 1450 \end{gathered}$ | $\begin{gathered} 150 \\ 2175 \end{gathered}$ | $\begin{gathered} 80 \\ 1160 \end{gathered}$ | $\begin{gathered} 95 \\ 1377 \end{gathered}$ | $\begin{gathered} 80 \\ 1160 \end{gathered}$ | $\begin{gathered} 70 \\ 1015 \end{gathered}$ | $\begin{gathered} 50 \\ 725 \end{gathered}$ | $\begin{gathered} 200 \\ 2900 \end{gathered}$ | $\begin{gathered} 150 \\ 2175 \end{gathered}$ |
| Weight | $\begin{aligned} & \mathrm{kg} \\ & \mathrm{lb} \end{aligned}$ | $\begin{aligned} & 350 \\ & 770 \end{aligned}$ | $\begin{aligned} & 370 \\ & 814 \end{aligned}$ | $\begin{aligned} & 385 \\ & 847 \end{aligned}$ | $\begin{aligned} & 390 \\ & 858 \end{aligned}$ |  | $\begin{aligned} & 1100 \\ & 2420 \end{aligned}$ |  |  |  |



| IM115 |  | IM140 |  |  | IM190 |  |  | IM190S |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 |  |  | 45 |  |  | 45 |  |  | 57,5 |  |
| $\begin{gathered} 330 \\ 13 \end{gathered}$ |  |  | $\begin{gathered} 330 \\ 13 \end{gathered}$ |  |  | $\begin{gathered} 330 \\ 13 \end{gathered}$ |  |  | $\begin{gathered} 330 \\ 13 \end{gathered}$ |  |
| $\begin{gathered} 100 \\ 4 \end{gathered}$ | $\begin{aligned} & 115 \\ & 4^{1 / 2} \end{aligned}$ | $\begin{aligned} & 115 \\ & 41 / 2 \end{aligned}$ | $\begin{gathered} 127 \\ 5 \end{gathered}$ | $\begin{aligned} & 140 \\ & 51 / 2 \end{aligned}$ | $\begin{gathered} 139,7 \\ 51 / 2 \end{gathered}$ | $\begin{gathered} 165,1 \\ 61 / 2 \end{gathered}$ | $\begin{gathered} 190,5 \\ 71 / 2 \end{gathered}$ | $\begin{gathered} 139,7 \\ 5{ }^{\prime \prime 1 / 2} \end{gathered}$ | $\begin{gathered} 165,1 \\ 6^{\prime 11 / 2} \end{gathered}$ | $\begin{gathered} 190,5 \\ 7^{\prime 11 / 2} \end{gathered}$ |
| $\begin{aligned} & 154 \\ & 40,5 \end{aligned}$ | $\begin{gathered} 205 \\ 54 \end{gathered}$ | $\begin{gathered} 250 \\ 66 \end{gathered}$ | $\begin{gathered} 310 \\ 82 \end{gathered}$ | $\begin{aligned} & 380 \\ & 100 \end{aligned}$ | $\begin{gathered} 350 \\ 92,4 \end{gathered}$ | $\begin{gathered} 490 \\ 129,3 \end{gathered}$ | $\begin{gathered} 650 \\ 171,6 \end{gathered}$ | $\begin{gathered} 400 \\ 105,6 \end{gathered}$ | $\begin{gathered} 600 \\ 158,4 \end{gathered}$ | $\begin{gathered} 820 \\ 216,5 \end{gathered}$ |
| $\begin{gathered} 100 \\ 1450 \end{gathered}$ | $\begin{gathered} 75 \\ 1087 \end{gathered}$ | $\begin{gathered} 60 \\ 870 \end{gathered}$ | $\begin{gathered} 40 \\ 580 \end{gathered}$ | $\begin{gathered} 30 \\ 435 \end{gathered}$ | $\begin{gathered} 60 \\ 870 \end{gathered}$ | $\begin{gathered} 40 \\ 580 \end{gathered}$ | $\begin{gathered} 30 \\ 435 \end{gathered}$ | $\begin{gathered} 60 \\ 870 \end{gathered}$ | $\begin{gathered} 40 \\ 580 \end{gathered}$ | $\begin{gathered} 30 \\ 435 \end{gathered}$ |
| $\begin{aligned} & 1700 \\ & 3740 \end{aligned}$ |  |  | $\begin{aligned} & 1600 \\ & 3520 \end{aligned}$ |  |  | $\begin{aligned} & 2600 \\ & 5720 \end{aligned}$ |  |  | $\begin{aligned} & 2600 \\ & 5720 \end{aligned}$ |  |

## HORIZONTAL SILOS

The Horizontal silos that Metax ${ }^{\circledR}$, the technological division of Cima S.p.A. can offer on the market are containers to store:

- Cement;
- Filler;
- Bentonite.

They are named as per cubic meter: from SLH25 to SLH48.
Horizontal silos are made of metal sheet and shaped so that they have a sufficient resistance, allowing the material the material to fall onto the horizontal screw conveyor fixed at the bottom.
Shape varies while maintaining the corner block of the $20^{\prime}$ standard container, so all silos are specifically conceived to be installed on the roof of batching plants and controlled automatically by the plant itself.

The silos can be delivered in a standard container version or placed on a flat rack.

|  |  | SLH25 | SLH26 | SLH28 | SLH33 | SLH38 | SLH44 | SLH48 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nominal volume | $\begin{aligned} & m^{3} \\ & \mathrm{gal} \end{aligned}$ | $\begin{gathered} 25 \\ 6600 \end{gathered}$ | $\begin{gathered} 26 \\ 6850 \end{gathered}$ | $\begin{gathered} 28 \\ 7400 \end{gathered}$ | $\begin{gathered} 33 \\ 8700 \end{gathered}$ | $\begin{gathered} 38 \\ 9975 \end{gathered}$ | $\begin{gathered} 44 \\ 11600 \end{gathered}$ | $\begin{gathered} 48 \\ 12600 \end{gathered}$ |
| Max transport capacity of conveyor | ton/h | 25 | 25 | 25 | 40 | 25 | 40 | 40 |
| Length | $m_{f\left(\prime^{\prime}\right) / i n\left({ }^{\prime \prime}\right)}$ | $\begin{gathered} 6,06 \\ 19^{\prime} 10^{\prime \prime} \end{gathered}$ | $\begin{gathered} 6,94 \\ 22^{\prime} 9^{\prime \prime} \end{gathered}$ | $\begin{gathered} 6,06 \\ 19^{\prime} 10^{\prime \prime} \end{gathered}$ | $\begin{gathered} 7,24 \\ 23^{\prime} 8^{\prime \prime} \end{gathered}$ | $\begin{gathered} 10,32 \\ 33^{\prime} 10^{\prime \prime} \end{gathered}$ | $\begin{gathered} 9,2 \\ 30^{\prime} 2^{\prime \prime} \end{gathered}$ | $\begin{gathered} 9 \\ 29^{\prime} 6^{\prime \prime} \end{gathered}$ |
| Width | $\stackrel{m}{f\left(\left(^{\prime}\right) / i n\left({ }^{\prime \prime}\right)\right.}$ | $\begin{gathered} 2,44 \\ 8^{\prime} \end{gathered}$ | $\begin{gathered} 2,44 \\ 8^{\prime} \end{gathered}$ | $\begin{gathered} 2,44 \\ 8^{\prime} \end{gathered}$ | $\begin{gathered} 2,8 \\ 9^{\prime} 2^{\prime \prime} \end{gathered}$ | $\begin{gathered} 2,44 \\ 8^{\prime} \end{gathered}$ | $\begin{gathered} 2,44 \\ 8^{\prime} \end{gathered}$ | $\begin{gathered} 2,8 \\ 9^{\prime} 2^{\prime \prime} \end{gathered}$ |
| Height | $\stackrel{m}{f\left(\left(^{\prime}\right) / i n(")\right.}$ | $\begin{gathered} 2,6 \\ 8^{\prime} 6^{\prime \prime} \end{gathered}$ | $\begin{gathered} 2,7 \\ 8^{\prime} 10^{\prime \prime} \end{gathered}$ | $\begin{gathered} 2,9 \\ 9^{\prime} 6^{\prime \prime} \end{gathered}$ | $\begin{gathered} 2,9 \\ 9^{\prime} 6^{\prime \prime} \end{gathered}$ | $\begin{gathered} 2,75 \\ 9^{\prime} \end{gathered}$ | $\begin{gathered} 3 \\ 9^{\prime} 10^{\prime \prime} \end{gathered}$ | $\begin{gathered} 3 \\ 9^{\prime} 10^{\prime \prime} \end{gathered}$ |
| Empty weight | $\begin{aligned} & \mathrm{kg} \\ & \mathrm{lb} \end{aligned}$ | $\begin{aligned} & 4400 \\ & 9680 \end{aligned}$ | $\begin{aligned} & 3500 \\ & 7700 \end{aligned}$ | $\begin{aligned} & 4000 \\ & 8800 \end{aligned}$ | $\begin{aligned} & 3600 \\ & 7920 \end{aligned}$ | $\begin{gathered} 4650 \\ 10230 \end{gathered}$ | $\begin{gathered} 5300 \\ 11660 \end{gathered}$ | $\begin{gathered} 5500 \\ 12100 \end{gathered}$ |



Ladder with safety cage


## METAX®, THE TECHNOLOGICAL DIVI

Cima S.p.A.'s primary objective is to continue investing in order to become a renowned and reliable partner for Italian and international clients. The products of Metax ${ }^{\circledR}$, the technological division of Cima S.p.A., are well-known all over the world, as it avails itself of a long experience with key partners and customers in the field of soil consolidation, specialized civil engineering and geotechnics.


## SION OF CIMA S.p.A. IN THE WORLD

Co-operation with important companies has been implemented, thanks to an extensive network of dealers through which, Metax ${ }^{\circledR}$ division has partnerships on a worldwide level.

The picture in blue displays the products of Metax ${ }^{\circledR}$, the technological division of Cima S.p.A., in the world, and highlights the most significant projects, in which it has participated.




## MMETAX

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