Pompe autoadescanti per piscine con prefiltro incorporato
Self-priming swimming pool pumps with built-in strainer basket
Selbstansaugende Schwimmbadpumpen mit eingebautem Vorfilter
Pompes autoamorçantes pour piscines avec préfiltre incorporé
Bombas autoaspirantes para piscinas con prefiltro incorporado
Själv-evakuerande poolpumpar med inbyggd silkorg
Zelfaanzuigende zwembadpompen met ingebouwd voorfilter
Αντλίες αυτόματης αναρρόφησης για πισίνες με ενσωματωμένο προφίλτρο
Самозаливающиеся насосы для бассейнов со встроенным предварительным фильтром
带内置过滤器的自吸泳池泵

NMP

CE

calpeda®

GB

SUMMARY

1 GENERAL INFORMATION

Before using the product carefully read the information contained in this instruction manual, the manual should be kept for future reference.
Italian is the original language of this instruction manual, this language is the reference language in case of discrepancies in the translations.
This manual is part of the essential safety requirement and must be retained until the product is finally de-commissioned.
The customer, in case of loss, can request a copy of the manual by contacting Calpeda S.p.A. or their agent, specifying the type of product data shown on the label of the machine (see 2.3 Marking)
Any changes, alterations or modifications made to the product or part of it, not authorized by the manufacturer, will revoke the "CE declaration" and warranty.

This appliance should not be operated by children younger than 8 years, people with reduced physical, sensory or mental capacities, or inexperienced people who are not familiar with the product, unless they are given close supervision or instructions on how to use it safely and are made aware by a responsible person of the dangers its use might entail.
Children must not play with the appliance.
It is the user's responsibility to clean and maintain the appliance. Children should never clean or maintain it unless they are given supervision.
Do not use in ponds, tanks or swimming pools or where people may enter or come into contact with the water.
Read carefully the installation section which sets forth:
- The maximum permissible structural working pressure (chapter 3.1).
- The type and section of the power cable (chapter 6.5).
- The type of electrical protection to be installed (chapter 6.5).

1.1 Symbols

To improve the understanding of the manual, below are indicated the symbols used with the related meaning.


Information and warnings that must be observed, otherwise there is a risk that the machine could damage or compromise personnel safety.


The failure to observe electrical information and warnings, could damage the machine or compromise personnel safety.


Notes and warnings for the correct management of the machine and its parts.


Operations that could be performed by the final user. After carefully reading of the instructions, is responsible for maintenance under normal conditions. They are authorized to affect standard maintenance operations.


Operations that must be performed by a qualified electrician. Specialized technician authorised to affect all electrical operations including maintenance. They are able to operate with in the presence of high voltages.


Operations that must be done performed by a qualified technician. Specialized technician able to install the device, under normal conditions, working during "maintenance", and allowed to do electrical and mechanical interventions for maintenance. They must be capable of executing simple electrical and mechanical operations related to the maintenance of the device.


Indicates that it is mandatory to use individual protection devices.

Operations that must be done with the device switched off and disconnected from the power supply.

Operations that must be done with the device switched on.

1.2 Manufacturer name and address

Manufacturer name: Calpeda S.p.A.
Address: Via Roggia di Mezzo, 39
36050 Montorso Vicentino - Vicenza / Italia
www.calpeda.it

1.3 Authorized operators

The product is intended for use by expert operators divided into end users and specialized technicians. (see the symbols above).


It's forbidden, for the end user, carry out operations which must be done only by specialized technicians. The manufacturer declines any liability for damage related to the non-compliance of this warning.

1.4 Warranty

For the product warranty refer to the general terms and conditions of sale.


The warranty covers only the replacement and the repair of the defective parts of the goods (recognized by the manufacturer).

The Warranty will not be considered in the following cases:
- Whenever the use of the device does not conform to the instructions and information described in this manual.
- In case of changes or variations made without authorization of the manufacturer.
- In case of technical interventions executed by a non-authorized personnel.
- In case of failing to carry out adequate maintenance.

1.5 Technical assistance

Any further information about the documentation, technical assistance and spare parts, shall be requested from: Calpeda S.p.A. (paragraph 1.2).

2 TECHNICAL DESCRIPTION

Close-coupled self-priming centrifugal pumps with built-in strainer.
Inner basket with Ø 3 mm holes.
NMP: version with pump casing and lanter bracket in cast iron.
B-NMP: version with pump casing and lanter bracket in bronze.
(the pumps are supplied fully painted).

2.1 Intended use

For water circulation in swimming pool filtration systems.
For clean or slightly dirty water with solids in suspension.
Liquid temperature up to 60° C.

2.2 Improper use

The device is designed and built only for the purpose described in paragraph 2.1.

Improper use of the device is forbidden, as is use under conditions other than those indicated in these instructions.

Improper use of the product reduces the safety and the efficiency of the device, Calpeda shall not be responsible for failure or accident due to improper use.

2.3 Marking

The following picture is a copy of the name-plate that is on the external case of the pump.

1 Pump type
2 Delivery
3 Head
4 Rated power
5 Tension nominale
6 Nom. motor current
7 Notes
8 Fréquence
9 Operation Duty
10 Insulation class
11 Weight
12 Power factor
13 Rotation speed rpm
14 Protection
15 Serial number
16 Certifications

3 TECHNICAL FEATURES

3.1 Technical data

Dimensions and weight (paragraph 12.1).
Nominal speed 2900/3450 rpm
Protection IP54
Supply voltage / Frequency
230 delta/400 star V3 ~ 50Hz
220 delta/380 star V3 ~ 60Hz
Sound pressure at minimum immersion depth:
up to 2,2 kW: ≤ 70 dB (A);
from 3 to 11 kW: ≤ 85 dB (A).
Max. starts per hour at regular intervals: 60 up to 2,2 kW
40 from 3 to 7,5 kW
20 from 9,2 to 11 kW
Maximum permissible working pressure up to 60 m (6 bar).

3.2 Operating conditions

Installation in well ventilated location protected from the weather, with a maximum ambient temperature of 40 °C.

4 SAFETY

4.1 General provisions

Before using the product it is necessary to know all the safety indications.
Carefully read all operating instructions and the indications defined for the different steps: from transportation to disposal.
The specialized technicians must carefully comply with all applicable standards and laws, including local regulations of the country where the pump is sold.
The device has been built in conformity with the current safety laws. The improper use could damage people, animals and objects.
The manufacturer declines any liability in the event of damage due to improper use or use under conditions other than those indicated on the name-plate and in these instructions.

Follow the routine maintenance schedules and the promptly replace damaged parts, this will allows the device to work in the best conditions.
Use only original spare parts provided from Calpeda S.p.A or from an authorized distributor.

GB

Don't remove or change the labels placed on the device.
Do not start the device in case of defects or damaged parts.

Maintenance operations, requiring full or partial disassembly of the device, must be done only after disconnection from the supply.

4.2 Safety devices

The device has an external case that prevents any contact with internal parts.

4.3 Residual risks

The appliance, designed for use, when used in-line with the design and safety rules, doesn't have residual risks.

4.4 Information and Safety signals

For this kind of product there will not be any signals on the product.

4.5 Individual protection devices

During installation, starting and maintenance it is suggested to the authorized operators to consider the use of individual protection devices suitable for described activities.
During ordinary and extraordinary maintenance interventions, where it is required to remove the filter, safety gloves are required.

Signal individual protection device

HAND PROTECTION
(gloves for protection against chemical, thermal and mechanical risks).

5. TRANSPORTATION AND HANDLING

The product is packed to maintain the content intact.
During transportation avoid to stack excessive weights.
Ensure that during the transportation the packed cannot move.
The transport vehicles must comply, for the weight and dimensions, with the chosen product (see paragraph 12.1 dimensions and weights).

5.1 Handling

Handle with care, the packages must not receive impacts.
Avoid to impact onto the package materials that could damage the pump.
If the weight exceeds 25 Kg the package must be handled by two person at the same time (see paragraph 12.1 dimensions and weights).

6 INSTALLATION

6.1 Dimensions

For the dimensions of the device refer to the annex "Dimensions" (paragraph 12.1 Annexes).

6.2 Ambient requirements and installation site dimensions

The customer has to prepare the installation site in order to guarantee the right installation and in order to fulfill the device requirements (electrical supply, etc...).
The place where the device will be installed must fulfill the requirements in the paragraph 3.2.
It's Absolutely forbidden to install the machine in an environment with potentially explosive atmosphere.

6.3 Unpacking

Inspect the device in order to check any damages which may have occurred during transportation.

Package material, once removed, must be discarded/recycled according to local laws of the destination country.
Raise the pump-motor unit slowly (see paragraph 12.2 fig.1),

making sure it does not move from side to side in an uncontrolled way, to avoid the risk of imbalance and tipping up.

6.4. Installation

The **NMP** pumps must be installed with the rotor axis horizontal and delivery port upwards.
Place the pump as close as possible to the suction source.
Provide clearance around the unit for **motor ventilation**, for easier inspection and maintenance.

6.4.1. Pipes

Ensure the insides of pipes are clean and unobstructed before connection.
ATTENTION: The pipes connected to the pump should be secured to rest clamps so that they do not transmit stress, strain or vibrations to the pump.
The inside diameter of the pipe-work depends on the desired flow.
Provide a diameter assuring a liquid flow not greater than 1.5 m/s for suction and 3 m/s for delivery.
The pipe diameters must never be smaller than the pump connection ports.

6.4.2. Suction pipe

The suction pipe must be perfectly airtight and be led upwards in order to avoid air pockets.
If operating with **flexible hoses**, use a reinforced spiral suction hose in order to avoid hose narrowing due to a suction vacuum.
With a **pump located above the water level** (suction lift operation), fit a **foot valve** or a **check valve** on the suction connection.
With **a pump located below water level** (inflow under positive suction head) install a gate valve.

6.4.3. Delivery pipe

Fit a gate valve in the delivery pipe to adjust delivery, head, and absorbed power.
Install a pressure gauge.
With a geodetic head of over 15 m fit a check valve between the pump and the gate valve in order to protect the pump from water hammering.

6.5 Electrical connection


Electrical connection must be carried out only by a qualified electrician in accordance with local regulations.
Follow all safety standards.
The unit must be properly earthed (grounded).
Connect the earthing (grounding) conductor to the terminal with the ⏚ marking.
Compare the frequency and mains voltage with the nameplate data and connect the supply conductors to the terminals in accordance with the appropriate diagram inside the terminal box cover.


ATTENTION: never allow washers or other metal parts to fall into the internal cable opening between the terminal box and stator. If this occurs, dismantle the motor to recover the object which has fallen inside.

If the terminal box is provided with an inlet gland, use a flexible power supply cord of the H07 RN-F type with section of cable not less than 11 TAB IEC 60335-1.
If the terminal box is provided with an inlet bushing, connect the power supply cord through a conduit.
For use in swimming pools (not when persons are in the pool), garden ponds and similar places, a **residual current device** with IΔN not exceeding 30 mA must be installed in the supply circuit.
Install a **device for disconnection from the mains** (switch) with a contact separation of at least 3 mm in all poles.
With a three-phase motor install an overload protection with curve D device appropriate for the rated current of the pump.
Single-phase NMPM, are supplied with a capacitor connected to the terminals and (for 220-240 V - 50 Hz) with an incorporated thermal protector.

7 STARTUP AND OPERATION

7.1 Preliminary checks before start-up of the pump

Do not start-up the device in case of damaged parts.

7.2 First starting

ATTENTION: never run the pump dry. Start the pump after filling it completely with liquid.

When the pump is located above the water level (suction lift operation) fill the pump with water up to suction pipe level through the opening on the strainer after removing the cover (fig. 2).

ATTENTION: for transportation the cover is temporarily closed with hexagon nuts.
Replace them with the hand knobs (15.12) located inside the filter.

When operating with the pump below water level (inflow under positive suction head), fill the pump by opening the suction gate valve slowly and completely, keeping the delivery gate valve open to release the air.

With a three-phase motor check that the direction of rotation is as shown by the arrow on the pump casing, otherwise, disconnect electrical power and reverse the connections of two phases.
With a suction lift operation it may be necessary to wait a few minutes for the pump to prime.
Check that the pump works within its field of performance, and that the absorbed current shown on the name-plate is not exceeded.
Otherwise adjust the delivery gate valve.

7.3 Switch off of the pump


The appliance must be switch off every time there are faults. (see troubleshooting).

The product is designed for a continuous duty, the switch off is performed by disconnecting the power supply by means the expected disconnecting devices. (see paragraph "6.5 Electrical connection").

8 MAINTENANCE

Before any operations it's necessary to disconnect the power supply.
If required ask to an electrician or to an expert technician.


Every maintenance operations, cleaning or reparation executed with the electrical system under voltage, it could cause serious injuries to people.

In case of extraordinary maintenance, or maintenance operations that require part-removing, the operator must be a qualified technician able to read schemes and drawings.
It is suggest to register all maintenance operation executed.


During maintenance keep particular attention in order to avoid the introduction of small external parts, that could compromise the device safety.


It is forbidden to execute any operations with the direct use of hands. Use water-resistant, anti-cut gloves to disassemble and clean the filter or in other particular cases.


During maintenance operations external personnel is not allowed.

Maintenance operations that are not described in this manual must be made only by special personnel authorized by Calpeda S.p.A.
For further technical information regarding the use or the maintenance of the device, contact Calpeda S.p.A.

8.1 Routine maintenance

Before every maintenance operations disconnect the power supply and make sure that the device could not accidentally operate.

Inspect and clean the strainer basket periodically.
The strainer can be easily accessed by removing the strainer cover. With the pump located below water level, close the suction and delivery gate valves before removing the cover.

Disinfectant or chemical products for water treatment must not be poured directly into the pump.

Risk of reactions and emission of harmful fumes.
Risk of corrosion in stagnant water conditions (also with an increase in temperature and decrease of pH value).

When the pump remains inactive it must be emptied completely if there is a risk of freezing (see paragraph 12.2 **fig. 3**).
Before restarting the unit, check that the shaft is not jammed and fill the pump casing completely with liquid.

8.2 Dismantling the system

Close the suction and delivery gate valves and drain the pump casing before dismantling the pump.

8.3. Dismantling the pump

Close the suction and delivery gate valves and drain the pump casing before dismantling the pump.
For dismantling and reassembly see construction in the cross section drawing.
The motor and all internal parts can be dismantled without removing the pump casing and pipes.
By removing the nuts (14.28) the motor can be taken out complete with the impeller.

9. DISPOSAL

The final disposal of the device must be done by specialized company.
Make sure the specialized company follows the classification of the material parts for the separation.
Observe the local regulations and dispose the device accordingly with the international rules for environment protection.

10 SPARE PARTS

10.1 Spare-parts request

When ordering spare parts, please quote their designation, position number in the cross section drawing and rated data from the pump name plate (type, date and serial number).
The spare parts request shall be sent to CALPEDA S.p.A. by phone, fax, e-mail.

Changes reserved.

11. Troubleshooting

WARNING: Turn off the power supply before performing any operations.
Do not allow the pump or motor to run when dry even for a short period
Strictly follow the user instructions and if necessary contact an authorised service centre

PROBLEM	PROBABLE CAUSES	POSSIBLE REMEDIES
1) The engine does not start	1a) Unsuitable power supply 1b) Incorrect electrical connections 1c) Engine overload protective device cuts in. 1d) Blown or defective fuses 1e) Shaft blocked 1f) Motor failed	1a) Check that the mains frequency and voltage are suitable. 1b) Connect the power supply cable correctly. Check the setting of the thermal overload protection. 1c) Check the power supply and make sure that the pump shaft is turning freely. Check the setting of the thermal overload protection. 1d) Replace the fuses, check points a) and c) 1e) See "Blocked pump" instruction booklet 1f) Repair or replace the engine.
2) Pump blocked	2a) Prolonged periods of inactivity . 2b) Presence of solid bodies in the impeller 2c) Bearings blocked	2a) Unblock the pump by using a screw driver to turn the relevant notch on the back of the shaft. 2b) Remove any solid foreign bodies inside the impeller 2c) Replace the bearings.
3)The pump functions but no water comes out	3a) Presence of air inside the pump or suction pipe 3b) Possible infiltration of air. 3c) Foot valve blocked or suction pipe not fully immersed in liquid 3d) Suction filter blocked	3a) Release the air from the pump using the delivery control valve. 3b) Check which part is not tight and seal the connection. 3c) Clean or replace the bottom valve and use a suitable suction pipe . 3d) Clean the filter, if necessary, replace it . See point 2b) also.
4) Insufficient flow	4a) Pipes and accessories with diameter too small 4b) Presence of deposits or solid bodies in the impeller 4c) Rotor deteriorated 4d) Worn rotor and pump case 4e) Gases dissolved in the water 4f) Excessive viscosity of the liquid pumped 4g) Incorrect direction of rotation	4a) Use pipes and accessories suitable for the specific application 4b) Clean the impeller and install a suction filter 4c) Replace the impeller 4d) Replace the impeller and the pump casing 4e) Perform the opening and closing manoeuvres through the feeder gate 4f) The pump is unsuitable 4g) Invert the electrical connections in the terminal board
5) Noise and vibrations from the pump	5a) Worn bearings 5b) Unbalanced power supply	5a) Replace the bearings 5b) Check that the mains voltage is right
6) Leakage from the mechanical seal	6a) The mechanical seal has functioned when dry or has stuck 6b) Mechanical seal scored by presence of abrasive parts in the liquid pumped 6c) Mechanical seal unsuitable for the type of application 6d) Slight initial drip during filling or on first start-up	In cases 6a), 6b) and 6c), replace the seal 6a) Make sure that the pump casing is full of liquid and that all the air has been expelled. 6b) Install a suction filter and use a seal suited to the characteristics of the liquid being pumped. 6c) Choose a seal with characteristics suitable for the specific application 6d) Wait for the seal to adjust to the rotation of the shaft. If the problem persists, see points 6a), 6b) or 6c).

摘要

1 总则

使用本产品前请仔细阅读此操作手册的内容，并保留此操作手册以供参考。
此操作手册为意大利语，如有翻译偏差以意大利语为准。
此操作手册是安全保障必不可少的一部分，在产品最终达到正常工作前请牢记本手册。
万一用户不慎遗失本手册，可以向CALPEDA S.P.A.或其代理商要求一份复印件，请详述产品铭牌上的资料（见2.3 标记）
未经制造商认可的有关其产品或部件的任何更改变化，将撤消“CE 声明”和质保。

中文

此产品不应让8岁以下的未成年、身体有缺陷、心智不全或无任何经验的人操作，除非在充分的指导或监督下让相关人员知道如何安全的使用，并且通过一个负责人来让相关人员了解到可能会产生的危险。
不得让儿童接触本产品。
用户有义务清洁和维护本产品。
除非在有人监督的情况下，否则儿童不应清洁和维护本产品。
不要使用在池塘、水箱或泳池等人为可以进入或接触的水环境中。
仔细阅读安装部分的规定：
-最大允许的结构工作压力详见3.1
-电源线的类型及剖面详见6.5
-所安装电器设备的防护类型详见6.5

1.1 符号标记

为了便于理解本操作手册，下面给出常用标记符号的含义。

一定要注意通告和警告的标记，否则可能导致产品损坏或人身安全的风险。

忽略有关电气的警告，可能导致产品损坏或人身安全的风险

提示和警告正确操作处理产品及其部件

最终用户可以进行的操作
终端用户：仔细阅读本操作手册后，产品使用者可以负责正常状态下的维护工作。他们可以进行产品的清洁和长期停滞后的重新启动此类标准维护工作。

必须由有资格的专业电工才能进行的操作
专业电工：有资格的专业电工，负责所有电气设备的运行包括维护，应具有高压电资格。

必须由有专业技术资格的人才能进行的操作
专业技术人员：正常状态下，具有产品安装和维护能力的专业技术人员，可以从事电气和机械方面的维护工作。能够从事简单的与设备维护相关的电气和机械方面的操作。

指示必须使用个别的保护装置

必须关断电源并断开与电源的连接才能进行的操作

必须接通电源才能进行的操作

1.2 制造商名称和地址

制造商名称：CALPEDA S.P.A.
地址：Via Roggia di Mezzo, 39
36050 Montorso Vicentino - Vicenza / Italia
www.calpeda.it

1.3 授权操作者

本产品只能由有经验的终端用户和专业技术人员操作

禁止终端用户操作那些只能由专业技术人员操作的工作，对未按本规章执行而引起的损害制造商不负任何责任

1.4 质保

质保参见总则和销售条款

质保期内将更换或维修有问题的产品部件（由制造商验证的）。

下面因素不在质保范围：

- 由于产品使用者没有按照说明及本手册的通告信息操作造成的损坏
- 未经制造商认可的对产品的任何改变而造成的损坏
- 由非专业人员操作造成的损坏
- 由不当的维修造成的损坏

1.5 技术支持

任何技术支持、备件及更多的产品信息均可联系：Calpeda S.p.A. (附件1.2章).

2 技术说明
带内置过滤器的直联自吸离心泵
内置过滤器篮孔径3mm
NMP:泵壳和笼型支架为铸铁结构
B-NMP：泵壳和笼型支架为青铜结构
(青铜泵壳被喷漆所覆盖).

2.1 预期用途
用于游泳池水的循环过滤
用于清水或有悬浮颗粒的轻度污水
液体温度60°C.

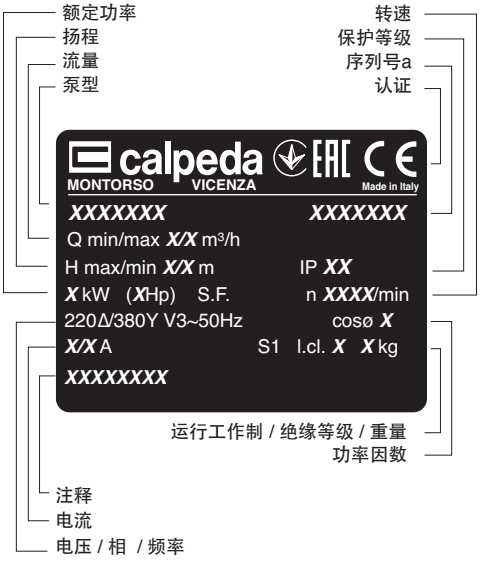
2.2 不当使用
本产品只用于2.1中所述用途

除了本说明手册中指示的用途外,严禁其他不当用途

不当使用将降低本产品的安全性和效率,由于不当使用而造成的损坏和意外,CALPEDA不承担责任

严禁用于可能有人员进入或与水接触的池塘、水箱或游泳池

2.3 标记
下面给出的是泵外壳上的标牌的图片



3 技术特性
3.1 技术参数
尺寸和重量（见12.1）
额定转速 2900/3450rpm
保护等级 IP54
电压/频率 230角接/400星接 V3” 50Hz
220角接/380 星接 V3” 60Hz
在最小浸入深度下的噪音
up to(不超过) 2,2 kW: ≤ 70 dB (A);
from (从)3 to(至) 11 kW: ≤ 85 dB (A).
定时间间隔下每小时最多启动次数
60 up to(不超过) 2,2 kW
40 from(从) 3 to(至) 7,5 kW
20 from (从)9,2 to(至) 11 kW
最大工作压力为 60 m (6 bar).

3.2 工作条件
请安装在可遮蔽风雨通风良好的场所，最高 环境温度为40°C

4 安全性
4.1 总则
使用本产品前应了解有关安全的指示
仔细阅读所有的操作说明和从搬运到处理的每一步指示专业技术人员必须认真遵从所有的适用标准和法律，包括产品应用地当地的规章
产品安装使用应符合现行的安全法规
不当的使用可能会对人身、动物和其他对象造成损害
制造商对由于不当使用或未按本操作手册和标牌的标示使用所造成的损坏不负责任

按照日程维护计划表操作并及时更换损坏的部件可使产品工作在最佳状态
使用CALPEDA S.P.A或其指定代理商提供的原厂配件

不要撕下或改变产品上的标识
当产品有问题或部件有损坏的情况下不要启动产品

由于维修时会全部或部分的拆开产品,因此之前务必断开供电电源

4.2 安全装置
本产品具有全外部壳体,可防止与内部部件的任何接触

4.3 剩余风险
当按照本产品的设计功能和所有安全规则使用本产品时没有剩余风险

4.4 通告和安全预示
没有任何安全预示在此类产品上面

中文

4.5 个别的保护装置
在安装、使用和维修期间，建议操作人员使用适合此操作的个别保护装置或手段

当进行日常或个别的维修工作时，拆过滤器时应带手套

标示的个别保护装置

手的保护
(防热、化学品和机械损害的手套)

5. 搬运操作
货物应包装完好
运输过程中应避免超重，并确保货物不会移动。确保运输车辆和所运货物尺寸相符合
无需特殊车辆运输
运输车辆应与被运货物的尺寸重量相符合（见 表见12.1 尺寸与重量）

5.1 搬运
小心搬运，轻拿轻放
避免冲撞包装材料以免损坏泵的外套
对于重量超过25公斤的包装物需由两人同时搬抬（见 表见12.1 尺寸与重量）

6 安装
6.1 尺寸
产品的尺寸详见附件“尺寸”（附件12.1章）

6.2 环境要求和安装位置的尺寸
客户应将本产品妥当的安装于适当位置以满足设备的要求（供电需要等）
安装位置应满足章节3.2中的要求
禁止将产品安装于有潜在易燃易爆危险的环境中

6.3 拆箱

开箱检查产品是否因运输而损坏

拆开的包装材料应根据产品使用国当地的法律规定遗弃或再利用
缓慢提升泵-电机组(见12.2章节 图1)
确保它不会晃来晃去,以避免因不平衡而倾倒.

6.4. 安装

NMP泵安装时应保证转子轴水平出水口向上
尽可能将泵置于靠近水源处
为便于电机的散热,方便检查和维修,应在组件周边留有足够的空间.

6.4.1 管道

应确保连接前所有管道内部干净、无堵塞;
注意:管道与水泵的连接应当支撑可靠，并紧固联接，以确保不传递应力应变及振动到泵上章.

管路系统的内径依所需流量而定
管路直径应确保进口流速不超过1.5m/s出口流速不超过3m/s
管路直径不允许小于泵的接口尺寸

6.4.2 进水管

进水管应气密良好并稍向上倾斜以避免窝气
如果连接的是软管,则必须使用内部带有螺旋钢丝的加强型软管以避免抽吸时将吸入管吸瘪.
当泵置于水面之上时(吸入操作),应在吸入端安装脚阀或单向阀
当泵位于水面之下时(灌入操作)应安装一闸阀

中文

6.4.3. 出水管

在出水管上安装一闸阀以调节出水量、扬程和净功率
安装一压力表
当落差超过15M时应在泵和闸阀之间安装一止回阀以避免水锤对泵的损害

6.5. 电气联接

必须由合格电工根据当地规范进行电气联接.
必须遵守安全标准.
泵-电机机组必须可靠地接地.
把接地导线接到标有记号的端子上 ⏚.
请对照电源电压和铭牌上所标数值，根据接线盒内盖上的电路图联接电源.

注意：绝对不允许将垫片等金属部件掉入电机接线盒的定子线圈中.
如果发生此种问题，必须拆开电机，取出部件。

如果接线盒的进线口为密封管，则应使用H07RN-F型柔软的电线 电缆的剖面不低于表11 IEC 60335-1的相关规定。
如果接线盒的进线口是套管，则应通过套管连接电线。
作为用于游泳池，花园池塘的泵，必须在电源线路中安装漏电保护器，其灵敏度不大于30毫安.
安装一个使电源断开的装置，各电极之间至少有3mm的间隙.
对于三相电机，根据其额定电流一定要安装一个过载保护装置曲线 D.
对于单相的**NNMPM,**泵，提供一个连接在接线柱上的电容，对于220-240V-50Hz的电源，还提供一个相连的热保护装置.

7 启动和运行

7.1 启动前的预检

当存在有故障的部件时不要启动本产品

7.2 首次启动

请注意：千万不要使泵干态运行**.**
一定先注水后再启动泵**.**

当泵置于水面之上时（吸入操作）打开泵盖（图2）从过滤器开口处灌满水直至吸入管处。
注意：因运输原因泵盖由螺母暂时锁闭
可用放置在过滤器里面的手轮替换这些螺母。
当泵位于水面之下工作时（灌入操作），慢慢打开进水闸阀直到全开以灌满泵，保持出口阀门打开以排气。
对于三相电机应检查其转向是否和泵壳上箭头所示方向一致，不符，则断开电源互换其中的两相。
对于吸入操作时泵可能需要几分钟时间才能上水正常工作
检查泵是否工作在正常范围，工作电流不应超过铭牌上注明的电流
否则调整出口阀门

7.3 泵的停车

当存在故障时必须关闭设备

本产品设计为连续工作, 当希望断开本产品时可断开供电电源停机(见章节6.5 电气连接)

8 维修

任何维修操作前都应该先断开电源,必要时可由电工或专业技术人员操作

在带电情况下的任何类似清洁或维修的操作都可能对人身造成严重伤害

突发的维修或需要部分拆解零件的维修,都必须由能看懂结构图的专业人员来操作

建议记录所有的维修过程,在维修期间特别小心注意不要带入任何外部细小异物,这会对产品的造成损害

不要在无防护措施的情况下用手直接操作，应带防水防割的手套进行过滤器的拆解清洁或其他维修工作

维修期间无关人员禁止入内

本操作手册中没有介绍的维修工作只能由CALPEDA授权的特别人员来完成
有关产品使用和维修的更多信息请联系CALPEDA S.P.A.

8.1 日常维护

每次维修工作前都应先断开电源并确保设备不会意外接通运转

定期检查并清洁过滤器篮
打开过滤器盖可以很容易的取出过滤器，当泵置于水面之下时，在打开盖子前应先关闭进出口阀门。

不能将用于处理水质的消毒液或化学品直接倒入泵中

化学反应的危险和有害气体的散发。水在不流动状态下腐蚀的危险（并且温度会升高和PH值降低）

在泵长期不使用的情况下，如有结冰的可能， 则应彻底排放掉液体(见12.2章节 图3).
在再次启动泵-电机机组前，一定检查轴是否被卡住，并往泵内注水.

8.2 系统的分解
分解前，关闭进出口隔栅.

8.3. 泵的拆解

拆解泵之前应关闭进出水口的阀门并排空泵壳内的水。

拆解和组装参见剖面图的结构
在不移动泵壳和管路的情况下即可拆解电机和所有的内部零件。
拧下螺母（14.28）可将完整的电机带着叶轮一起卸下来,.

9. 处理

产品的最终处理应由专业公司操作
确保专业公司是按照材料分类方式处理
按照当地的法规和有关环境保护的国际准则处理

10 备件
10.1 订购备件
订购备件时请根据剖面图提供备件的名称和位置编号及泵铭牌上的数据（型号、参数和序列号）
备件需求请电话、传真、邮件给CALPEDA S.P.A

保留更改权利

11. 常见故障和解决方法

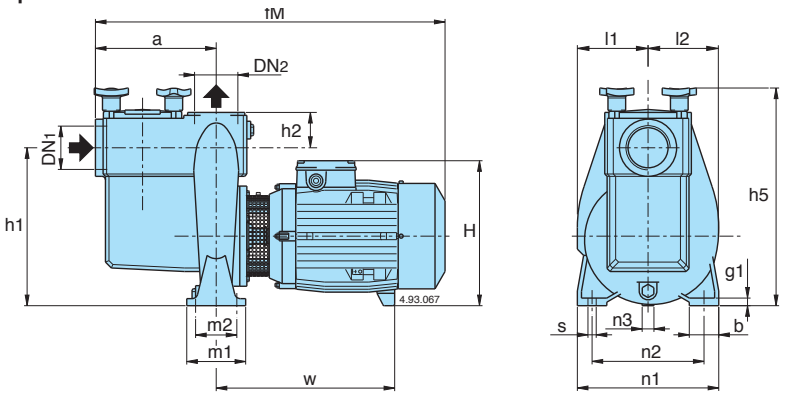
警告: 任何操作之前均应断开电源.
决不允许泵组干转,即使是短时间的.
严格按照使用说明书操作,如有必要请联系授权服务中心.

故障现象	故障的可能原因	解决办法
1)电机不转	1a)供电问题 1b)电线连接错误 1c)电机的过载保护动作 1d)保险丝问题 1e)泵轴卡死 1f)电机故障	1a)检查主电源的电压、频率等是否匹配。 1b)正确连接供电电源电线，检查过热保护装置。 1c)检查供电电源并确认泵轴可以自由转动,检查过热保护装置。 1d)更换保险丝,并检查a)c) 1e)见2)泵卡死 1f)维修或更换电机。
2)泵卡死不转	2a)长期不使用 2b)叶轮被异物卡住 3c)轴承损坏	2a)用一螺丝刀转动泵轴末端的开槽以解除卡阻。 2b)取出叶轮处的异物。 2c)更换轴承。
3)泵工作但不出水	3a)泵内或吸入管路内有空气 3b)可能有漏气的地方 3c)底阀卡死或吸入管口未完全浸入液体中 3d)进口过滤器堵塞	3a)用排气阀释放泵内空气。 3b)检查所有连接处，看是否拧紧或密封 3c)清洗或更换底阀，并选用合适的进水管路 3d)清洗过滤器，如有必要更换它。同时参见2b）。
4)流量不足	4a)管路或附件直径过小 4b)叶轮处存在异物或沉积物 4c)转子损坏 4d)转子和泵壳磨损过度 4e)水中有大量气泡 4f)泵送的液体粘度过高 4g)反转	4a)选用直径适当的管路和附件。 4b)清洁叶轮并安装一进口过滤器。 4c)更换叶轮。 4d)更换叶轮和泵壳 4e)执行打开、关闭加水堵的操作排除泵内空气。 4f)选泵不合适。 4g)将接线盒内任意两线对调。
5）泵的颤动和噪音	5a)轴承磨损 5b)三相电不平衡	5a) 更换轴承 5b) 检查主电源
6）机封漏水	6a)机封干转或粘连 6b)泵送液体内有磨蚀性物质导致机封划损 6c)机封不适合所泵送的液体 6d)灌泵或初次起动泵时的轻微渗漏	对6a) 6b) 6c)的情况,需更换机封。 6a)确保泵壳内充满液体，并排空所有气体。 6b)安装进口过滤器，并选用与所泵送介质特性相符合的机封。 6c)选用与所泵送介质特性相符的机封。 6d)让泵转动一会机封将随转动而调整，如问题依然存在，参见6a) 6b) 6c)。

中文

12. ALLEGATI

12.1 Dimensioni e pesi
Dimensions and weights
Abmessung und Gewicht
Dimensions et poids
Dimensiones y pesos
Mått och vikt
Afmetingen en gewicht
Διαστάσεις και βάρη
Габариты и вес



TYPE	DN1	DN2	mm															
	ISO 228		a	fM	h1	h2	H	h5	m1	m2	n1	n2	n3	b	s	l1	l2	w	g1
B-**NMP 32/12AE-DE-FE** B-**NMP 32/12SE**	G 2	G 2	195	510	230	50	228 240	320	100	70	190	140	30	50	14	106	99	220	12
B-**NMP 50/12GE-HE** B-**NMP 50/12F/A** B-**NMP 50/12D/A**	G 2 1/2	G 2 1/2	205	540 580 602	262	60	240 240 250	360	100	70	240	190	37 37 20	50	14	120	117	234 274 298	12
B-**NMP 65/16F/A** B-**NMP 65/16D/A-E/A** B-**NMP 65/16C/B** B-**NMP 65/16A/B**	G 3	G 3	320	717 748 858 908	360	80	298 320 345 345	470	125	95	280	212	60 49 43 43	65	14	165	164	298 319 408 458	15

TIPO	**NMP** kg	**B-NMP** kg
B-**NMP 32/12FE**	30	32
B-**NMP 32/12DE**	30	32
B-**NMP 32/12AE**	31	33
B-**NMP 32/12SE**	33	35
B-**NMP 50/12HE**	37	39
B-**NMP 50/12GE**	38,5	40
B-**NMP 50/12F/A**	41,5	44,5
B-**NMP 50/12D/A**	50,5	54,5
B-**NMP 65/16F/A**	79	89,5
B-**NMP 65/16E/A**	92	102
B-**NMP 65/16D/A**	97,5	107,5
B-**NMP 65/16C/B**	121	130
B-**NMP 65/16A/B**	127	137

12.2 Esempi di installazione
Installation examples
Einbaubeispiele
Exemples d'installation
Ejemplos de instalaciones
Installationsexempel
Installatievoorbeelden
Παραδείγματα εγκαταστάσεων
Примеры установки
安装实例

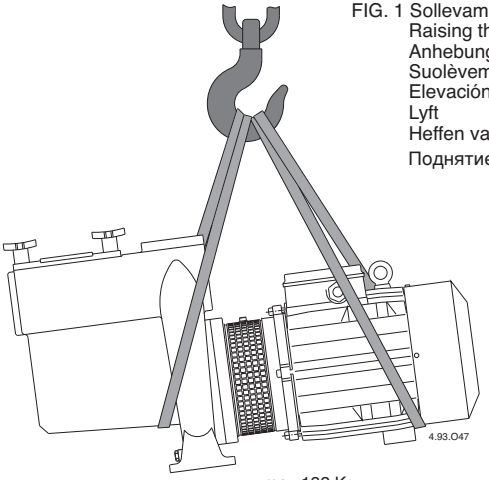


FIG. 1 Sollevamento pompa
Raising the pump
Anhebung Pumpe
Suolèvement de la pompe
Elevación de la bomba
Lyft
Heffen van de pomp
Поднятие насоса

max 132 Kg

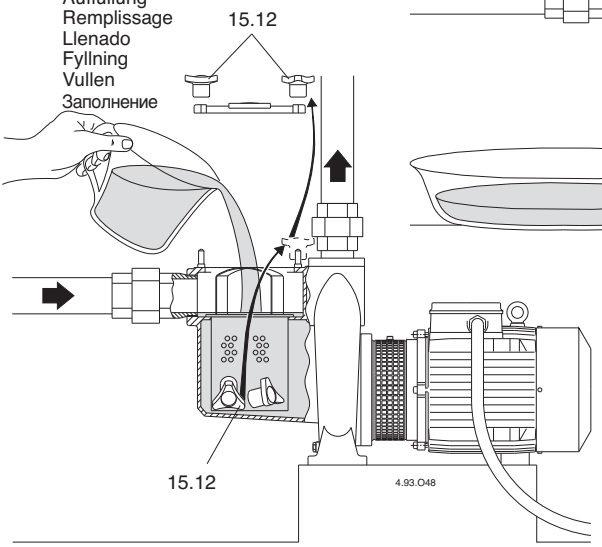
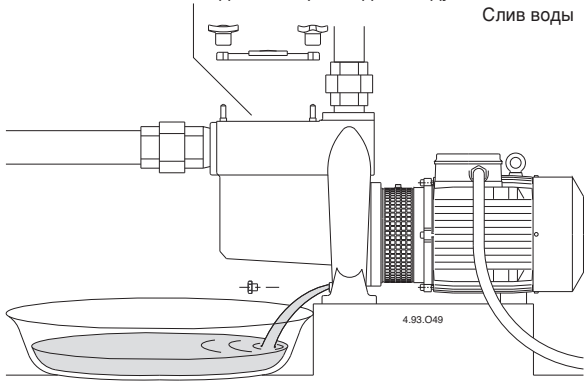


FIG. 2 Riempimento
Filling
Auffüllung
Remplissage
Llenado
Fyllning
Vullen
Заполнение



Entrata aria
Air inlet
Lufteintritt
Entrée d'air
Entrada aire
Luftinsläpp
Luchtinlaat
входное отверстие для воздуха

FIG. 3 Scarico
Draining
Entleerung
Vidange
Vaciado
Dränering
Aftappen
Слив воды

12. ALLEGATI

12.3 Denominazione delle parti
Designation of parts
Teile-Benennung
Description des pièces
Denominación de los elementos
Reservdelslista
Benaming van de onderdelen
Προσδιορισμός ανταλλακτικών
НАЗВАНИЕ КОМПОНЕНТОВ
备件名称

Italiano

Nr.	Denominazione
14.00	Corpo pompa
14.12	Tappo (scarico)
14.20	Guarnizione
14.24	Vite
14.28	Dado
14.46	Tappo
15.00	Coperchio filtro
15.04	O-ring
15.08	Vite
15.12	Dado a manopola
15.50	Filtro a cesto
28.00	Girante
28.04	Dado bloccaggio girante
28.20	Linguetta
32.00	Lanterna di raccordo
32.30	Protezione
32.32	Vite
32.33	Dado in gabbia
36.00	Tenuta meccanica
36.50	Anello di sicurezza
46.00	Anello paraspruzzi
70.20	Vite
70.21	Rosetta
73.00	Cuscinetto lato pompa
76.00	Carcassa motore con avvolg.
76.04	Passacavo
76.16	Appoggio
76.20	Spina
76.54	Morsettiera completa
78.00	Albero con pacco rotore
81.00	Cuscinetto lato ventola
82.00	Coperchio motore lato vent.
82.04	Molla di compensazione
82.08	Vite
88.00	Ventola
88.04	Anello di sicurezza
90.00	Calotta
90.04	Vite
94.00	Condensatore
98.00	Coperchio scatola morsetti
98.04	Vite
98.08	Guarnizione

Deutsch

Nr.	Teile-Benennung
14.00	Pumpengehäuse
14.12	Verschlußschraube (Entleerung)
14.20	Gehäusedichtung
14.24	Schraube
14.28	Mutter
14.46	Verschlußschraube
15.00	Filterdeckel
15.04	Runddichtring
15.08	Schraube
15.12	Flügelmutter
15.50	Saugsieb
28.00	Laufrad
28.04	Laufradmutter
28.20	Paßfeder
32.00	Antriebslaterne
32.30	Verkleidung
32.32	Schraube
32.33	Käfigmutter
36.00	Gleitringdichtung
36.50	Sicherungsring
46.00	Spritzring
70.20	Schraube
70.21	Scheibe
73.00	Wälzlager, pumpenseitig
76.00	Motorgehäuse mit Wicklung
76.04	Kabelführung
76.16	Stütze
76.20	Paßstift
76.54	Klemmenbrett, komplett
78.00	Welle mit Rotorpaket
81.00	Wälzlager, lüfterradseitig
82.00	Motorlagergehäuse, lüfterradseitig
82.04	Federscheibe
82.08	Schraube
88.00	Lüfterrad
88.04	Sicherungsring
90.00	Haube
90.04	Schraube
94.00	Kondensator
98.00	Klemmenkastendeckel
98.04	Schraube
98.08	Flachdichtung

Français

Nr.	Description
14.00	Corps de pompe
14.12	Bouchon (vidange)
14.20	Joint plat
14.24	Vis
14.28	Ecrou
14.46	Bouchon
15.00	Couvercle du filtre
15.04	Joint torique
15.08	Vis
15.12	Ecrou papillon
15.50	Panier filtre
28.00	Roue
28.04	Ecrou de blocage de roue
28.20	Clavette
32.00	Lanterne de raccordement
32.30	Protecteur
32.32	Vis
32.33	Êcron encagê
36.00	Garniture mécanique
36.50	Circlips
46.00	Déflecteur
70.20	Vis
70.21	Rondelle
73.00	Roulement à billes, côté pompe
76.00	Carcasse moteur avec bobinage
76.04	Bague de serrage de câble
76.16	Appui
76.20	Goupille
76.54	Plaque à bornes, complète
78.00	Arbre-rotor
81.00	Roulement à billes, côté ventilateur
82.00	Fond de moteur, côté ventilateur
82.04	Rondelle de compensation
82.08	Vis
88.00	Ventilateur
88.04	Circlips
90.00	Capot
90.04	Vis
94.00	Condensateur
98.00	Couvercle de boîte à bornes
98.04	Vis
98.08	Joint plat

12. ALLEGATI

12.3 Denominazione delle parti
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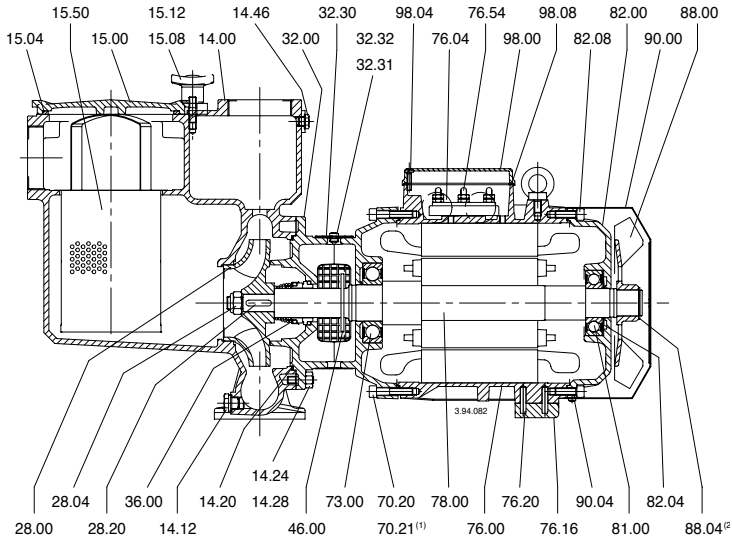
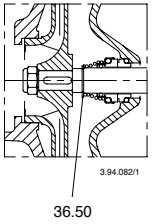
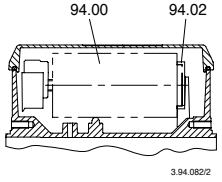
Προσδιορισμός ανταλλακτικών
НАЗВАНИЕ КОМПОНЕНТОВ
备件名称

English		Español		Nederlands		Svenska	
Nr.	**Designation**	**Nr.**	**Denominación**	**Nr.**	**Benaming**	**Nr.**	**Beskrivning**
14.00	Pump casing	14.00	Cuerpo bomba	14.00	Pomphuis	14.00	Pumphus
14.12	Plug (draining)	14.12	Tapón con arandela	14.12	Plug	14.12	Plugg med bricka
14.20	Gasket	14.20	Junta cuerpo bomba	14.20	O-ring	14.20	Pumphuspackning
14.24	Screw	14.24	Tornillo	14.24	Schroef	14.24	Skruv
14.28	Nut	14.28	Tuerca	14.28	Moer	14.28	Mutter
14.46	Plug	14.46	Tapón con arandela	14.46	Plug	14.46	Propp med bricka
15.00	Strainer cover	15.00	Tapa filtro	15.00	Filterdeksel	15.00	Filterlock
15.04	O-ring	15.04	Tapón con arandela	15.04	O-ring	15.04	Filterlockspackning
15.08	Screw	15.08	Tornillo	15.08	Schroef	15.08	Pinnskruv
15.12	Hand wheel	15.12	Pomo	15.12	Vleugelmoer	15.12	Vingmutter
15.50	Strainer basket	15.50	Filtro	15.50	Filterkorf	15.50	Sil
28.00	Impeller	28.00	Rodete	28.00	Waaier	28.00	Pumphjul
28.04	Impeller nut	28.04	Tuerca fijación rodete	28.04	Waaiermoer	28.04	Pumphjulsmutter
28.20	Key	28.20	Chaveta rodete	28.20	Spie	28.20	Kil
32.00	Lantern bracket	32.00	Acoplamiento motor bomba	32.00	Lantaarnstuk	32.00	Mellandel
32.30	Guard	32.30	Protector	32.30	Beschermrooster	32.30	Skydd
32.32	Screw	32.32	Tornillo	32.32	Schroef	32.32	Skruv
32.33	Caged Nut	32.33	Tuerca fijación	32.33	Onderlegring	32.33	Caged Nut
36.00	Mechanical seal	36.00	Sello mecánico	36.00	Mechanical seal	36.00	Mekanisk tätning
36.50	Circlip	36.50	Anillo seguridad	36.50	Circlip	36.50	Låsring
46.00	Deflector	46.00	Aspersor	46.00	Spatplaat	46.00	Avkastarring
70.20	Screw	70.20	Tornillo	70.20	Schroef	70.20	Skruv
70.21	Washer	70.21	Arandela de fijación	70.21	Ring	70.21	Bricka
73.00	Pump-side bearing	73.00	Cojinete lado bomba	73.00	Lager pompzijde	73.00	Kullager, pumpsida
76.00	Motor casing with winding	76.00	Carcasa motor bobinada	76.00	Motorhuis met wikkeling	76.00	Stator med lindning
76.04	Cable gland	76.04	Anillo prensancable	76.04	Kabeldoorvoer	76.04	Kabelgland
76.16	Support	76.16	Apoyo	76.16	Steun	76.16	Stöd
76.20	Pin	76.20	Pasador elástico	76.20	Passtift	76.20	Fäststift
76.54	Terminal box, set	76.54	Placa bornes completa	76.54	Aansluitblok	76.54	Kopplingsplint
78.00	Shaft with rotor packet	78.00	Eje con rotor	78.00	As met rotor	78.00	Axel med rotor
81.00	Fan-side bearing	81.00	Cojinete	81.00	Lager koelwaaierzijde	81.00	Kullager
82.00	Motor end shield, fan side	82.00	Tapa motor lado ventilador	82.00	Motordeksel	82.00	Motorsköld, fläktsida
82.04	Compensating spring	82.04	Muelle de compensación	82.04	Compensatieveer	82.04	Distansbricka
82.08	Screw	82.08	Tornillo	82.08	Bout	82.08	Skruv
88.00	Motor fan	88.00	Ventilador	88.00	Koelwaaier	88.00	Motorfläkt
88.04	Circlip	88.04	Anillo de seguridad	88.04	Veerring	88.04	Låsring
90.00	Fan cover	90.00	Protector ventilador	90.00	Koelwaaierkap	90.00	Fläktkåpa
90.04	Screw	90.04	Tornillo	90.04	Bout	90.04	Skruv
94.00	Capacitor	94.00	Condensador	94.00	Condensator	94.00	Kondensator
98.00	Terminal box cover	98.00	Tapa caja bornes	98.00	Deksel	98.00	Lock för kopplingslåda
98.04	Screw	98.04	Tornillo	98.04	Schroef	98.04	Skruv
98.08	Gasket	98.08	Junta	98.08	Pakking	98.08	Packning

12.4. Disegno per lo smontaggio ed il rimontaggio
Drawing for dismantling and assembly
Zeichnung für Demontage und Montage
Dessin pour démontage et montage
Dibujo para desmontaje y montaje
Ritning för demontering och montering
Onderdelentekening
Чертеж для демонтажа и сборки
组装与分解图







NMP 32/12SE-AE-DE-FE
NMP 52/12FE-GE-HE

Italiano

Nr.	Denominazione
14.00	Corpo pompa
14.12	Tappo (scarico)
14.20	Guarnizione
14.24	Vite
14.28	Dado
14.46	Tappo
15.00	Coperchio filtro
15.04	O-ring
15.08	Vite
15.12	Dado a manopola
15.50	Filtro a cesto
28.00	Girante
28.04	Dado bloccaggio girante
28.20	Linguetta
32.00	Lanterna di raccordo
32.30	Protezione
32.32	Vite
32.33	Dado in gabbia
36.00	Tenuta meccanica
36.50	Anello di sicurezza
46.00	Anello paraspruzzi
70.20	Vite
70.21	Rosetta
73.00	Cuscinetto lato pompa
76.00	Carcassa motore con avvolg.
76.04	Passacavo
76.16	Appoggio
76.20	Spina
76.54	Morsettiera completa
78.00	Albero con pacco rotore
81.00	Cuscinetto lato ventola
82.00	Coperchio motore lato vent.
82.04	Molla di compensazione
82.08	Vite
88.00	Ventola
88.04	Anello di sicurezza
90.00	Calotta
90.04	Vite
94.00	Condensatore
98.00	Coperchio scatola morsetti
98.04	Vite
98.08	Guarnizione

(1) Solo nei tipi
Only for types
Nur für Baugrößen
Seulement pour les types
Solo en los tipos
Endast typ
Uitsluitend voor typen

NMP 50/12D
NMP 65/16D-E-F

(2) Solo nei tipi
Only for types
Nur für Baugrößen
Seulement pour les types
Solo en los tipos
Endast typ
Uitsluitend voor typen

NMP 50/12D
NMP 65/16A-C-D-E-F

(I) DICHIARAZIONE DI CONFORMITÀ

Noi CALPEDA S.p.A. dichiariamo sotto la nostra esclusiva responsabilità che le Pompe NMP, NMPM, B-NMP, B-NMPM, tipo e numero di serie riportati in targa, sono conformi a quanto prescritto dalle Direttive 2004/108/CE, 2006/42/CE, 2006/95/CE e dalle relative norme armonizzate. Regolamento della Commissione N. 640/2009.

(GB) DECLARATION OF CONFORMITY

We CALPEDA S.p.A. declare that our Pumps NMP, NMPM, B-NMP, B-NMPM, with pump type and serial number as shown on the name plate, are constructed in accordance with Directives 2004/108/EC, 2006/42/EC, 2006/95/EC and assume full responsability for conformity with the standards laid down therein. Commission Regulation No. 640/2009.

(D) KONFORMITÄTSERKLÄRUNG

Wir, das Unternehmen CALPEDA S.p.A., erklären hiermit verbindlich, daß die Pumpen NMP, NMPM, B-NMP, B-NMPM, Typbezeichnung und Fabrik-Nr. nach Leistungsschild den EG-Vorschriften 2004/108/EG, 2006/42/EG, 2006/95/EG entsprechen. ErP-Richtlinie N. 640/2009.

(F) DECLARATION DE CONFORMITE

Nous, CALPEDA S.p.A., déclarons que les Pompes NMP, NMPM, B-NMP, B-NMPM, modèle et numero de série marqués sur la plaque signalétique sont conformes aux Directives 2004/108/CE, 2006/42/CE, 2006/95/CE. Règlement de la Commission Nº 640/2009.

(E) DECLARACION DE CONFORMIDAD

En CALPEDA S.p.A. declaramos bajo nuestra exclusiva responsabilidad que las Bombas NMP, NMPM, B-NMP, B-NMPM, modelo y numero de serie marcados en la placa de caracteristicas son conformes a las disposiciones de las Directivas 2004/108/CE, 2006/42/CE, 2006/95/CE. Reglamento de la Comisión n.º 640/2009.

(DK) OVERENSSTEMMELSESERKLÆRING

Vi CALPEDA S.p.A. erklærer hermed at vore pumper NMP, NMPM, B-NMP, B-NMPM, pumpe type og serie nummer vist på typeskiltet er fremstillet i overensstemmelse med bestemmelserne i Direktiv 2004/108/EC, 2006/42/EC, 2006/95/EC og er i overensstemmelse med de heri indeholdte standarder. Kommissionens forordning nr. 640/2009.

(P) DECLARAÇÃO DE CONFORMIDADE

Nós, CALPEDA S.p.A., declaramos que as nossas Bombas NMP, NMPM, B-NMP, B-NMPM, modelo e número de série indicado na placa identificadora são construidas de acordo com as Directivas 2004/108/CE, 2006/42/CE, 2006/95/CE e somos inteiramente responsáveis pela conformidade das respectivas normas. Disposição Regulamentar da Comissão n.º 640/2009.

(NL) CONFORMITEITSVERKLARING

Wij CALPEDA S.p.A. verklaren hiermede dat onze pompen NMP, NMPM, B-NMP, B-NMPM, pomptype en serienummer zoals vermeld op de typeplaat aan de EG-voorschriften 2004/108/EU, 2006/42/EU, 2006/95/EU voldoen. Verordening van de commissie nr. 640/2009.

(SF) VAKUUTUS

Me CALPEDA S.p.A. vakuutamme että pumppumme NMP, NMPM, B-NMP, B-NMPM, malli ja valmistusnumero tyyppikilvcstä, ovat valmistettu 2004/108/EU, 2006/42/EU, 2006/95/EU direktiivien mukaisesti ja CALPEDA ottaa täyden vastuun siitä, että tuotteet vastaavat näitä standardeja. Komission asetus (EY) N:o 640/2009.

(S) EU NORM CERTIFIKAT

CALPEDA S.p.A. intygar att pumpar NMP, NMPM, B-NMP, B-NMPM, pumptyp och serienummer, visade på namnplåten är konstruerade enligt direktiv 2004/108/EC, 2006/42/EC, 2006/95/EC. Calpeda åtar sig fullt ansvar för överensstämmelse med standard som fastställts i dessa avtal. Kommissionens förordning nr 640/2009.

(GR) ΔΗΛΩΣΗ ΣΥΜΦΩΝΙΑΣ

Εμείς ως CALPEDA S.p.A. δηλώνουμε ότι οι αντλίες μας αυτές NMP, NMPM, B-NMP, B-NMPM, με τύπο και αριθμό σειράς κατασκευής όπου αναγράφετε στην πινακίδα της αντλίας, κατασκευάζονται σύμφωνα με τις οδηγίες 2004/108/ΕΟΚ, 2006/42/ΕΟΚ, 2006/95/ΕΟΚ,, 2009/125/ΕΟΚ και αναλαμβάνουμε πλήρη υπευθυνότητα για συμφωνία (συμμόρφωση), με τα στάνταρς των προδιαγραφών αυτών. Κανονισμός Αρ. 640/2009 της Επιτροπής.

(TR) UYGUNLUK BEYANI

Bizler CALPEDA S.p.A. firması olarak NMP, NMPM, B-NMP, B-NMPM, Pompalarımızın, 2004/108/EC, 2006/42/EC, 2006/95/EC, direktiflerine uygun olarak imal edildiklerini beyan eder ve bu standartlara uygunluğuna dair tüm sorumluluğu üstleniriz. 640/2009 sayılı Komisyon Yönetmeliği.

(RU) ДЕКЛАРАЦИЯ СООТВЕТСТВИЯ

Компания “Calpeda S.p.A.” заявляет с полной ответственностью, что насосы серий NMP, NMPM, B-NMP, B-NMPM, тип и серийный номер которых указывается на заводской табличке соответствуют требованиям нормативов 2004/108/CE, 2006/42/CE, 2006/95/CE, 2009/125/CE. Постановление Комиссии № 640/2009.

(中文) 声明

我们科沛达泵业有限公司声明我们制造的 NMP, NMPM, B-NMP, B-NMPM, (在标牌上的泵型号和序列号)均符合以下标准的相应目录:2004/108/EC,2006/95/EC,2009/125/EC.本公司遵循其中的标准并承担相应的责任.委员会条例
No. 640/2009

Il Presidente
Marco Mettifogo

Montorso Vicentino, 06.2016

Calpeda s.p.a. - Via Roggia di Mezzo, 39 - 36050 Montorso Vicentino - Vicenza / Italia
Tel. +39 0444 476476 - Fax +39 0444 476477 - E.mail: info@calpeda.it www.calpeda.com