

ENMIX LIGHT

medium-speed mixer



Agitator mixers

Description

This medium speed mixer is the ideal solution for mixing and motion of fluids in containers and tanks. The Enmix light can also be used to blend the liquid and to dissolve solid fertilising agents. Various types of mixing tanks are used in modern greenhouse horticulture. The Enmix Light is developed specially for smaller mixing tanks that can contain up to $\pm 2 \text{ m}^3$ with a maximum diameter of 2.5 m. When using larger tanks that can hold up to $\pm 10 \text{ m}^3$ we recommend using the Enmix Custom with its more powerful propeller. The Enmix is the perfect alternative for bigbag systems.

The Enmix Light is composed of a four pole motor, with a power output of only 0,37 kW, The installation further consists of a motor mounting plate made of PVC, an RVS 316 stirrer shaft, and a stirrer disc made of PVC. To ensure an optimal dissolution and sinking particles are thoroughly mixed, propeller must be mounted approximately 10 cm from the bottom. The RVS 316 stainless steel shaft is supplied at a length of 1250 mm as a standard. The shaft is mounted at the end and can be shortened as desired.

A simple control box can switch the Enmix Light on and off by pause-pulse timing (is not included). When round tanks are used, two vertical, anti-vortex plates must be fitted inside the tank to prevent the complete volume from whirling. The two anti-vortex plates will cause optimal blending of the liquid. An alternative option is to mount the mixer eccentrically. The objective of the above is to ensure that the fluids are thoroughly mixed. As such, there is an agitator/mixer solution for every fertiliser tank or storage tank.

The Enmix Light mixer is supplied as a single-phase version with a cable, plug and thermal overload protection.

Advantages

- o low energy consumption
- o fits every tank, up to a height of 1400 mm
- o can be mounted easily with motor mounting plate

Technical engine specifications

| Frequency | Voltage | Current | Motor Speed (RPM) | Phases | Cos φ | Weight | Part No. VDEG |
|-----------|---------------|-----------------|-------------------|--------|---------------|---------|---------------|
| 50 Hz | 200 V | 2,00 A | 1400 RPM | 3F | 0,69 | 6,0 kg | 53010460 |
| 50 Hz | 230 V | 3,00 A | 1370 RPM | 1F | 0,96 | 6,2 kg | 53010400 |
| 50 Hz | 230 V / 400 V | 1,99 A / 1,15 A | 1400 RPM | 3F | 0,69 | 5,4 kg | 53010440 |
| 60 Hz* | 120 V | 6,90 A | 1600 RPM | 1F | 0,88 | 6,2 kg | 53010360 |
| 60 Hz* | 208 V | 2,15 A | 1690 RPM | 3F | 0,70 | 6,0 kg | 53010470 |
| 60 Hz* | 230 V | 3,60 A | 1650 RPM | 1F | 0,99 | 6,2 kg | 53010420 |
| 60 Hz* | 230 V / 400 V | 1,57 A / 0,91 A | 1681 RPM | 3F | 0,75 | 10,9 kg | 53010490 |
| 60 Hz* | 480 V | 0,98 A | 1710 RPM | 3F | 0,65 | 5,4 kg | 53010480 |

Materials

| | |
|---------------------------|-------------|
| Stirrer shaft | RVS 316 |
| Stirrer disc | PVC (black) |
| Mounting plate | PVC (black) |
| Mounting frame (optional) | RVS 304 |

