

# FUE 2/042/200W Electronic Frequency and Voltage Inverter

Item Number: 0008902

# FUE 2/042/200W

## Lightweight, sturdy and high performance

>> These electronic converters, also known as inverters, are outstanding due to their light and compact design which, in connection with the aluminum construction, makes them easy to handle. They provide top performance even during continuous operation because of the high-quality electronics and the active cooling system. The sturdy housing as well as the damping of the inverter unit provide for lasting reliability. <<



## Additional Advantages

- Suitable for all types of applications because of the pulse current sensitive protective ground fault interrupter (230 V at 50 - 60 Hz). For the first time also in equipment with three output plug receptacles.
- Maximum degree of safety due to galvanic separation by way of an isolating transformer; the 42 V versions offer protective low voltage ( 50 V 1~).
- Maintenance-free: No mechanical wear parts in the inverter as well as potted electronics providing protection in the case of impacts and humidity.
- Fail-safe due to automatic overload shut-off and short circuit protection as well as excess temperature, surge voltage (up to 420 V) and low voltage protection.
- Intelligent load and voltage management for compensation of fluctuating input voltage, incorrectly dimensioned extension lines or users with strongly differing load draw provides protection to connected equipment.

| Description                           | Metric   | Imperial |
|---------------------------------------|----------|----------|
| Overall length                        | 420 mm   | 13.5 in  |
| Overall width                         | 325 mm   | 12.8 in  |
| Overall height                        | 325 mm   | 12.8 in  |
| Shipping size (length)                | 430 mm   | 16.9 in  |
| Shipping size (width)                 | 335 mm   | 13.2 in  |
| Shipping size (height)                | 350 mm   | 13.7 in  |
| Weight                                | 26,4 kg  | 58.2 lb  |
| Shipping weight (including packaging) | 27,4 kg  | 60.4 lb  |
| Input Voltage                         | 230 1~ V | 230 1~ V |
| Input frequency                       | 50-60 Hz | 50-60 Hz |
| Input current                         | 13 A     | 13 A     |
| Input power                           | 3 kVA    | 3 kVA    |
| Output current                        | 35 A     | 35 A     |
| Output power                          | 2,6 kVA  | 2.6 kVA  |
| Output voltage                        | 42 3 ~ V | 42 3 ~ V |
| Output Frequency                      | 200 Hz   | 200 Hz   |
| Power cable                           | 2,5 m    | 98.4 in  |
| Protection level                      | IP 44    |          |

### Standard Package - FUE 2/042/200W

includes CEE plug receptacles protective frame, operator's manual and parts book

**Please refer to our Price List and Ordering Guide for complete accessory information.**

Specifications may change due to continuous product development. Users are advised to consult Wacker Neuson's Operator's Manual and website for specific information regarding the engine power rating. Actual power output may vary due to conditions of specific use.

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## High frequency Internal Vibrators

IREN 30  
IREN 45  
IREN 65

IREN 38  
IREN 57

# IREN IREN

### Full performance even under load

>> Thanks to their high-torque, constant-speed motors, machines of the IREN series deliver outstanding compaction performance in all types of concrete and with any size vibrator head - from the smallest to the largest. Although a long protective hose gives them added flexibility to cope with a wide variety of applications, these powerful and reliable high-frequency internal vibrators are most impressive when working under a load. <<



### ADDITIONAL ADVANTAGES :

- Long-life design: The vibration-proof class H stator windings are wrapped and embedded in synthetic material. They will withstand a short-term load of up to 180 °C (356 °F). The heavy-duty roller bearings are oil-bath lubricated for high performance.
- Overload protection: The thermal circuit breakers prevent the motor from being damaged due to overheating.
- Easiest maintenance: The vibrator head can be replaced without the need for special tools.
- Specialists: The IREN 30 is the smallest internal vibrator in the IREN series. This model has a small-diameter vibratory head that makes it ideal for compacting concrete in narrow, confined spaces. And despite its lightweight design, it delivers outstanding compaction results.
- Extremely robust specially-hardened steel makes the vibrator-head housing of the IREN 57 unusually durable and resistant to damage.





| Technical Data  |         | IREN 30  | IREN 38         | IREN 45         | IREN 57         | IREN 65         |
|---|---------|--|-----------------|-----------------|-----------------|-----------------|
| Vibrator head Ø   | mm      | 30   | 38              | 45              | 58              | 65              |
| Vibrator head length (L)  | mm      | 353  | 345             | 382             | 400             | 490             |
| Shipping size (L x D x H)   | mm      | 600 x 200 x 450  | 600 x 200 x 450 | 760 x 200 x 650 | 760 x 200 x 650 | 760 x 200 x 650 |
| Protective hose   | m       | 5  | 5               | 5               | 5               | 5               |
| Vibrator head weight  | kg      | 1.4  | 2.2             | 3.5             | 5.8             | 9.2             |
| Operating weight  | kg      | 11.3   | 10.5            | 11.8            | 16.2            | 22.5            |
| Shipping weight<br>(including packaging)                                | kg      | 12.2   | 12.5            | 14.5            | 18.5            | 25.0            |
| Effective compaction<br>diameter (depending on<br>concrete consistency) | cm      | 40   | 50              | 60              | 85              | 100             |
| Please Note :   |         | This is non binding statement based on the practical experience of our customer under certain operating condition. This may vary under special circumstance we recommend ys doing test run under normal operating condition. |                 |                 |                 |                 |
| Vibrations  | 1/min   | 12,000   | 12,000          | 12,000          | 12,000          | 12,000          |
| Drive Engine  | 3 Phase | high frequency squirrel cage induction motor for connection to Wacker Neuson frequency and voltage converters  |                 |                 |                 |                 |
| Power   | kW      | 0.20   | 0.41            | 0.58            | 1.05            | 1.70            |
| Voltage   | V       | 42   | 42              | 42              | 42              | 42              |
| Frequency   | Hz      | 200  | 200             | 200             | 200             | 200             |
| Rated current   | A       | 3.5  | 7.0             | 10.0            | 17.3            | 25.0            |
| Power cable   | m       | 15   | 15              | 15              | 15              | 15              |
| Power Transmission  |         | directly from the built-in electric motor to the vibration system  |                 |                 |                 |                 |

### Standard Package - IREN

includes protective hose, switch,  
power cable, plug, operator's  
manual and parts book

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