



**WACKER  
NEUSON**  
*all it takes!*

# Internal Vibrators

Basic, Advanced, Premium and Backpack



## Experience you can rely on

Since the 1930s, we have been developing products for concrete technology, including our large selection of high-quality concrete vibrators.



## Cordless and emission-free

The battery-powered internal backpack vibrator with integrated converter offers the user maximum flexibility on the construction during concrete consolidation.

# Performance Data

## BASIC - Electric Flex-shaft Vibrators

|              | Unit | M1500                            |       |       | M2500 |       |       |       |
|--------------|------|----------------------------------|-------|-------|-------|-------|-------|-------|
| Drive system |      | Double-insulated universal motor |       |       |       |       |       |       |
| Voltage 1~   | V    | 120                              |       | 120   |       |       |       |       |
| Current      | A    | 12.5                             |       |       | 15    |       |       |       |
| Power        | hp   | 2.0                              |       |       | 2.5   |       |       |       |
| Weight       | lb   | 10.9                             |       |       | 11.9  |       |       |       |
| Shafts       | Unit | SM1-E                            | SM2-E | SM3-E | SM4-E | SM5-E | SM7-E | SM9-E |
| Length       | in   | 39.4                             | 78.7  | 118.2 | 157.5 | 197   | 275.8 | 19.7  |
| Weight       | lb   | 3.3                              | 5.5   | 7.5   | 9.5   | 11    | 15.4  | 2.9   |
|              |      | SM1-S                            | SM2-S | SM3-S | SM4-S | SM5-S | SM7-S | SM9-S |
| Length       | in   | 39.4                             | 78.7  | 118.1 | 157.5 | 196.8 | 275.6 | 354.3 |
| Weight       | lb   | 6                                | 9.5   | 13    | 15.7  | 20.6  | 28.4  | 33.3  |

## ADVANCED - Electric Flex-shaft Vibrators

|                                   | Unit | IEC45          |  | IEC58          |  |
|-----------------------------------|------|----------------|--|----------------|--|
| Vibrator head diameter            | in   | 1.8            |  | 2.3            |  |
| Effective consolidation diameter* | in   | 23.6           |  | 33.5           |  |
| Input voltage ~                   | V    | 120            |  | 120            |  |
| Current                           | A    | 8              |  | 8              |  |
| Frequency                         | Hz   | 50 - 60        |  | 50 - 60        |  |
| Protective hose/power cable       | ft   | 10-26.3 / 17.4 |  | 10-26.3 / 17.4 |  |

## PREMIUM - Electric Flex-shaft Vibrators

| FUFLEX          | Unit | FUFlex4/120 |  |  |  |
|-----------------|------|-------------|--|--|--|
| Input voltage ~ | V    | 120         |  |  |  |
| Current         | A    | 12          |  |  |  |
| Frequency       | Hz   | 50-60       |  |  |  |
| Power cable     | ft   | 49.2        |  |  |  |

## IRFLEX

|                                   | Unit | IRflex38  | IRflex45 | IRflex58                | IRflex60HR |
|-----------------------------------|------|-----------|----------|-------------------------|------------|
| Vibrator head diameter            | in   | 1.5       | 1.8      | 2.3                     | 2.6        |
| Effective consolidation diameter* | in   | 19.7      | 23.6     | 33.5                    | 33.5       |
| Protective hose length            | ft   | 9.8 / 164 | 16.4     | 16.4/26.2/<br>32.8/49.2 | 16.4/32.8  |
| Head length                       | in   | 13.6      | 15       | 15.8                    | 15.8       |

## IRFU

|                                   | Unit | IRFU65      |  |  |  |
|-----------------------------------|------|-------------|--|--|--|
| Vibrator head diameter            | in   | 2.6         |  |  |  |
| Effective consolidation diameter* | in   | 39.4        |  |  |  |
| Input voltage ~                   | V    | 120         |  |  |  |
| Current                           | A    | 15          |  |  |  |
| Frequency                         | Hz   | 50-60       |  |  |  |
| Protective hose length            | ft   | 16.4 / 26.2 |  |  |  |

## Heads

|          | Unit | H25S  | H25HA | H35S | H35HA | H45S | H45HA |
|----------|------|-------|-------|------|-------|------|-------|
| Diameter | in   | 1     | 1     | 1.4  | 1.4   | 1.8  | 1.8   |
| Length   | in   | 11.6  | 15    | 12.2 | 15.9  | 12   | 15.4  |
| Weight   | lb   | 1.8   | 2.9   | 3.5  | 5.1   | 6.2  | 7.3   |
|          |      | H50HA | H65   | HR48 | HR65  | HR70 | H70S  |
| Diameter | in   | 2     | 2.6   | 1.9  | 2.5   | 2.75 | 2.75  |
| Length   | in   | 15.6  | 15.2  | 6    | 15    | 15   | 6     |
| Weight   | in   | 8.5   | 13.7  | 6    | 8.4   | 11   | 6     |

## Backpack Vibrators

| Backpack Vibrators      | Unit | BV50A-H  |
|-------------------------|------|--|
| Length x width x height | in   | 23 x 19 x 23   |
| Weight w/o shaft & head | lb   | 29   |
| Shaft                   | ft   | 10, 13, 16.5   |
| Head diameter           | in   | 1, 1-3/8, 1-3/4, 2   |
| Frequency (no load)     | vpm  | 12,000   |
| Engine type             |      | 4-cycle, overhead valve, single-cylinder, air-cooled, gasoline Honda GXH50 |
| Starter                 |      | Recoil   |
| Operating speed         | rpm  | variable   |
| Fuel tank capacity      | gal  | 0.8  |
| Fuel consumption        | qt/h | 0.9  |

## Battery-powered Backpack Vibrator

|  | Unit | ACBE                                   |
|--|------|--|
| Length x width x height                | in   | 11.7 x 9.3 x 22                        |
| Weight w/battery BOB10 / BOB14         | lb   | 29.76 / 30.45                          |
| Shaft                                  | ft   | 5.0 / 10.0 / 16.5                      |
| Head diameter (IEe38 / IEe45 / IEe58)  | in   | 1.5 / 1.8 / 2.3                        |
| Power source                           |      | Electric, Battery BOB10, BOB14, Li-Ion |
| Battery weight BOB10 / BOB14           | lbs  | 20.5 / 21.2                            |
| Battery voltage                        | V    | 51.0                                   |
| Battery content BOB10 / BOB14          | Wh   | 1,008 / 1,425                          |
| Battery charge time (max) BOC7 / BOC13 | min  | 90-276 / 50-112                        |

## Head / Shaft Combination

|                        | Unit | IEe38 | IEe45 | IEe58 |
|------------------------|------|-------|-------|-------|
| Head diameter          | in   | 1.5   | 1.8   | 2.3   |
| Weight with 1.5 m hose | lb   | 8.8   | 11.5  | 17    |
| Weight with 3.0 m hose | lb   | 11.5  | 14    | 21    |
| Weight with 5.0 m hose | lb   | 14.1  | 19.4  | 26.7  |
| Rate current           | A    | 6.2   | 9.9   | 14.8  |
| Voltage (-3)           | V    | 34    | 34    | 34    |
| Output frequency       | Hz   | 200   | 200   | 200   |
| Output performance     | Kw   | 0.29  | 0.47  | 0.7   |
| Protection class       |      | IP67  | IP67  | IP67  |



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