



**HMS**

Modular Internal Vibrators



**Individually configurable: The internal vibrators HMS by Wacker Neuson**

The HMS range offers flexibility and cost-effectiveness: The internal vibrators in this range are individually configurable with different flexible shafts, vibrator heads and motors. All devices feature quick disconnect coupling for quick and easy use. The vibrator heads are induction hardened and therefore offer high wear resistance.

- Choice of 3 electric motors and 2 gasoline engines
- Selection of 12 different vibrator heads
- 11 different flexible shafts

**Possible combinations**

Gasoline engine, Internal vibrator & flexible shaft

	SM 1-E	SM 2-E	SM 4-E	SM 0-S	SM 1-S	SM 2-S	SM 3-S	SM 4-S	SM 5-S	SM 7-S	SM 9-S
H 25	■ ■	■ ■	■ ■	X X	X X	X X	X X	X X	X X	X X	X X
H 25S	■ ■	■ ■	■ ■	X X	X X	X X	X X	X X	X X	X X	X X
H 25HA	■ ■	■ ■	■ ■	X X	X X	X X	X X	X X	X X	X X	X X
H 35	X X	X X	X X	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
H 35S	X X	X X	X X	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
H 35HA	X X	X X	X X	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
H 45	X X	X X	X X	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
H 45S	X X	X X	X X	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
H 45HA	X X	X X	X X	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
H 50HA	X X	X X	X X	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
H 55	X X	X X	X X	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
H 65	X X	X X	X X	□ ■	□ ■	□ ■	□ ■	□ ■	□ ■	□ ■	□ ■

■ A 1500/035    ■ A 5000/160    □ Not Compatible    X Do not use

S = short standard vibrator head HA= hybrid vibrator head with high amplitude yellow) = permitted combination ( x ) = not permitted

**Electric motor, internal vibrator & flexible shaft**



	SM 1-E	SM 2-E	SM 4-E	SM 0-S	SM 1-S	SM 2-S	SM 3-S	SM 4-S	SM 5-S	SM 7-S	SM 9-S
H 25S	■ □ □	■ □ □	■ □ □	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X
H 25HA	□ ■ ■	□ ■ ■	□ ■ ■	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X
H 35S	X X X	X X X	X X X	■ ■ ■	■ ■ ■	■ ■ ■	■ ■ ■	■ ■ ■	■ ■ ■	□ ■ ■	□ ■ ■
H 35HA	X X X	X X X	X X X	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■
H 45S	X X X	X X X	X X X	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■
H 45HA	X X X	X X X	X X X	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■
HR 48	X X X	X X X	X X X	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■
H 50HA	X X X	X X X	X X X	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■
H 65	X X X	X X X	X X X	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■	□ ■ ■
HR 65	X X X	X X X	X X X	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■
HR 70	X X X	X X X	X X X	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■
HR 70S	X X X	X X X	X X X	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■	□ □ ■

■ M 1000   ■ M 2000   ■ M 3000   □ Not Compatible   X Do not use

S = short standard vibrator head HA = hybrid vibrator head with high amplitude HR = rubber coated vibrator head

(green) = M 1000 (black) = M 2000 (red) = M 3000

(white) = not recommended ( x ) = not permitted



## Technical specifications

### Electric Motors

	<b>M 1000</b>	<b>M 2000</b>	<b>M 3000</b>
Engine / Motor	universal motor	universal motor	universal motor
Voltage 1~ V	115	115	115
Current A	9	15	20
Frequency Hz	50 - 60	50 - 60	50 - 60
Power kW (hp)	1.0 (1.3)	1.7 (2.3)	2.3 (3.1)
Weight lb	11.7	13.1	17.8
L x W x H in	13.8 x 6.3 x 7.9	13.8 x 6.3 x 7.9	13.8 x 6.3 x 7.9
Power cable ft	2	2	2

### Gasoline Engines

	<b>A 1500/35</b>	<b>A 5000/160</b>
Engine / Motor	air-cooled single-cylinder four-stroke Honda gasoline engine	air-cooled single-cylinder four-stroke Honda gasoline engine
Power kW (hp)	1.0 (1.3)	4.0 (5.4)
Fuel type	regular-grade gasoline	regular-grade gasoline
Fuel consumption US gal/h	0.21	0.26
Tank capacity US qt	0.6	3.8
Weight lb	23.4	52
L x W x H in	16.7 x 10.8 x 15.9	22.3 x 16.6 x 15.2

### Flexible shafts

	<b>SM1-E</b>	<b>SM2-E</b>	<b>SM4-E</b>
Length in	36	78	156
Weight lb	3.3	5.5	9.5

### Flexible shafts

	<b>SM0-S</b>	<b>SM1-S</b>	<b>SM2-S</b>	<b>SM3-S</b>
Length in	18	36	78	120
Weight lb	2.9	6	9.5	13



## Flexible shafts

	<b>SM4-S</b>	<b>SM5-S</b>	<b>SM7-S</b>	<b>SM9-S</b>
Length in	156	198	276	360
Weight lb	15.7	20.5	28.4	33.3

## Vibrator heads - standard and rubber coated

	<b>H 65</b>	<b>HR 48</b>	<b>HR 65</b>	<b>HR 70</b>	<b>HR 70S</b>
Diameter in	2.5	1.89	2.5	2.75	2.75
Length in	15.3	14	15	15	6
Weight lb	15	6	8.4	11	6

## Vibrator heads - short

	<b>H 25S</b>	<b>H 35S</b>	<b>H 45S</b>
Diameter in	1	1.4	1.8
Length in	11.7	12.3	12
Weight lb	1.8	3.6	6.2

## Vibrator heads - hybrid

	<b>H 25HA</b>	<b>H 35HA</b>	<b>H 45HA</b>	<b>H 50HA</b>
Diameter in	1	1.4	1.8	2
Length in	15	15.9	15.4	15.6
Weight lb	2.6	4.4	6.8	7.9

### Please note

that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions.

Subject to alterations and errors excepted. Applicable also to illustrations.

Copyright © 2015 Wacker Neuson SE.