



**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	SMO-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/ 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

	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

