Viber Head Performance with VMG Gasoline Power Units

Head Specifications					VMG-1750HH/BP		VMG-2500BP	
Diameter inches	**Length inches**	**Weight pounds**	**Unbalance lb-in**	**Ave Amp (Peak-to-Peak)**	**Speed[3] rpm**	**Force pounds**	**Speed[2] rpm**	**Force pounds**
⅞	11.94	1.4	0.029	0.041	**10,000**	**82**	**12,670**	**132**
1	12.45	2.1	0.029	0.028	**10,000**	**82**	**12,670**	**132**
1 ¼	12.19	3.0	0.092	0.062	**10,000**	**261**	**12,670**	**419**
1 ½	12.04	4.1	0.162	0.079	**10,000**	**460**	**12,670**	**739**
1 ¾	13.05	6.2	0.236	0.077	**10,000**	**670**	**12,670**	**1,076**
2 ⅛	13.01	9.2	0.337	0.073	**9,600**	**882**	**12,670**	**1,536**
2 ½	12.52	12.2	0.478	0.078	**9,100**	**1,124**	**11,750**	**1,874**
Special Purpose Heads								
⅞ Low Force	9.94	1.2	0.012	0.021	**10,000**	**34**	**12,670**	**55**
2 ⅛ Shallow Pour	5.84	3.3	0.168	0.102	**10,000**	**477**	**12,670**	**766**

Unshaded	Best Performance.
Shaded	Reduced Performance because speed is too high or too low. **A 10% increase in speed reduces the head bearing life by 50%.**

[1] The speed provided above is an approximation of the head speed in concrete for the specified motor-head combination. The actual speed will vary depending on temperature, consistency of the concrete, the degree of brush wear, the hours on the bearings, etc. Running an electric motor with too large a head will slow the motor and can result in excess amp draw and heat generation with premature motor failure.

[2] The speed provided above is an approximation of the head speed in concrete with the VMG-2500 Gasoline Engine Backpack Power Unit at maximum throttle. Unit operates at a maximum of 12,670 rpm. The actual speed will vary depending on temperature, consistency of the concrete, the hours on the bearings, etc.

[3] The speed provided above is an approximation of the head speed in concrete with the VMG-1750 Gasoline Engine Power Units at maximum throttle. Unit operates at a maximum of 10,000 rpm. The actual speed will vary depending on temperature, consistency of the concrete, the hours on the bearings, etc.

[4] The speed provided above is an approximation of the head speed in concrete with the VMP TURBO Pneumatic Power Unit with the control valve set for the appropriate head size. The actual speed will vary depending on temperature, consistency of the concrete the hours on the bearings, etc.