

## XHD™ Extra Heavy Duty Electric Vibrators

An economical solution for material-flow problems in bins and hoppers. No more pounding on bins and hoppers with sledge hammers. No more production delays because of clogged storage vessels.

No more clanging of noisy, air driven piston vibrators. MARTIN® XHD Hopper Vibrators are designed and built to withstand the rigors of the industrial environment. So tough we guarantee them for 3 years.



### High-Performance Vibrators

MARTIN® Electric Vibrators are designed and built to withstand the rigors of the industrial environment and operate in a continuous-duty cycle. This series is so tough we guarantee them for 3 years even when operated at 100% amplitude setting, in a 24/7 operating environment. Each vibrator is manufactured using the latest automated techniques, ensuring exact bearing and seal fits. Add vacuum-impregnated windings and you have a high-performance vibrator second to none. **Available in single-phase and 3-phase models from 200-20,000 force pounds. 900, 1200, 1800 and 3600 rpms. All of our electric vibrators are available in safety voltage.** **Note:** Vibrators sized for material 50-90 lbs. per cu./ft. with 5% or less moisture content. Contact factory for other material.

## FEATURES

### Quiet

Operates at 60 - 70 dBA, the same as a standard electric motor. Air driven piston vibrators operate as high as 120 dBA.

### Energy-Efficient

Higher force-to-energy consumption ratio than any other vibrator in its class.

### Built to Last

Vacuum impregnated windings, o-ring seals, and machined surfaces provide an IP 66 rating to protect against the entry of dirt or water, virtually eliminating the possibility of failure.

### Other Equipment & Services

- Mounting brackets, timers, and controls
- Factory-trained installation
- All single phase units contain overload, starting capacitor, switch box and cord standard. All units are available without these components at a reduced price.

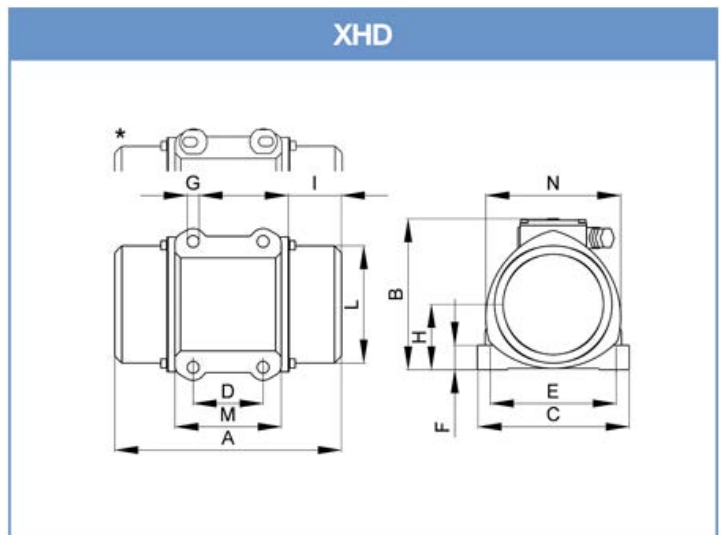
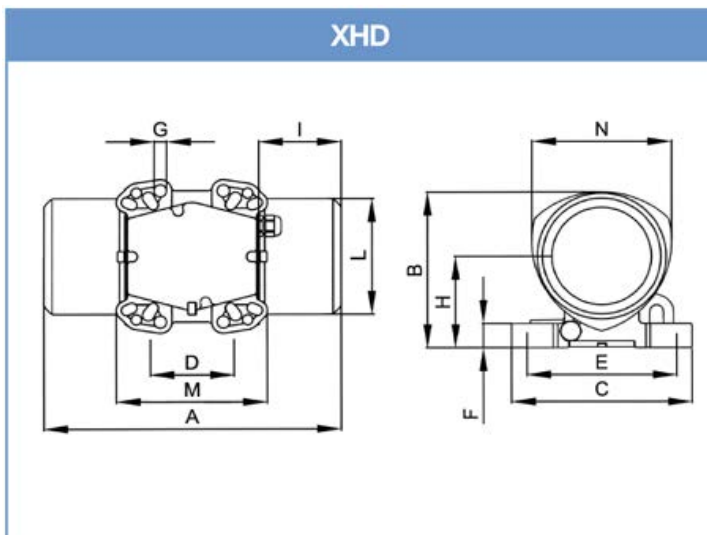
### Additional Specifications

- Operating Temperature: 3 Phase: -22° - 104° F, 1 Phase: 32° - 104° F.
- Adjustable Output: Weights can be positioned for precise control of force
- Force (maximum): 3500 force-lbs.
- Warranty: 3-years when operated within recommendations
- Included: 115 Volt Single Phase units include switchbox, overload protection, capacitor and cord.
- Totally water tight! Corrosive resistant!

## XHD™ Extra Heavy Duty Electric Vibrators

### XHD DIMENSIONS

| XHD SERIES      |                          |             |           |                              |           |           |
|-----------------|--------------------------|-------------|-----------|------------------------------|-----------|-----------|
| 3600 RPM        | A                        | B           | C         | D                            | E         | F         |
| A1.5T AND C1.5T | 8.23(209)                | 6.08(154.5) | 6.46(164) | 2.56(65)                     | 5.51(140) | 0.98(25)  |
| A2T AND C2.5T   | 8.86(225)                | 6.08(154.5) | 6.46(164) | 2.56(65)                     | 5.51(140) | 0.98(25)  |
| A5T AND C5T     | 10.04(255)               | 6.91(175.5) | 6.46(164) | 2.56(65)                     | 5.51(140) | 0.98(25)  |
| A8T AND C8T     | 11.18(284)               | 7.68(195)   | 8.54(217) | 3.94(100)                    | 7.08(180) | 1.18(30)  |
| A12T AND C12T   | 12.13(308)               | 8.31(211)   | 8.46(215) | 3.93(100)                    | 7.08(180) | 1.38(35)  |
| C16T            | 12.36(314)               | 8.54(217)   | 8.54(217) | 3.93(100)                    | 7.08(180) | 1.38(35)  |
| C24T            | 17.24(438)               | 10.12(257)  | 9.06(230) | 5.51(140)                    | 7.48(190) | 0.98(25)  |
| C36T            | 18.31(465)               | 9.13(232)   | 9.06(230) | 5.51(140)                    | 7.48(190) | 1.93(49)  |
|                 | G                        | H           | I         | L                            | M         | N         |
| A1.5T AND C1.5T | 0.51(13)                 | 3.78(96)    | 1.77(45)  | 3.94(100)                    | 5.04(128) | 4.61(117) |
| A2T AND C2.5T   | 0.51(13)                 | 3.78(96)    | 2.09(53)  | 3.94(100)                    | 5.04(128) | 4.61(117) |
| A5T AND C5T     | 0.51(13)                 | 4.13(105)   | 2.13(54)  | 4.88(124)                    | 5.04(128) | 5.55(141) |
| A8T AND C8T     | 0.67(17)                 | 4.53(115)   | 2.48(63)  | 5.63(143)                    | 5.67(144) | 6.3(160)  |
| A12T AND C12T   | 0.67(17)                 | 3.68(93.5)  | 2.48(63)  | 6.61(168)                    | 5.67(144) | 7.17(182) |
| C16T            | 0.67(17)                 | 3.68(93.5)  | 2.99(76)  | 6.61(168)                    | 5.75(146) | 7.17(182) |
| C24T            | 0.67(17)                 | 4.9(124.5)  | 4.06(103) | 7.91(201)                    | 8.82(224) | 9.48(241) |
| C36T            | 0.67(17)                 | 4.09(104)   | 4.13(105) | 7.87(200)                    | 7.09(180) | 7.87(200) |
| inches(mm)      | "A" Series = 115 VAC 1ph |             |           | "C" Series = 220/440 VAC 3ph |           |           |



## XHD™ Extra Heavy Duty Electric Vibrators

### XHD 1 PH PERFORMANCE DATA

|           |           | UNBALANCE     | CENTRIFUGAL FORCE | POWER INPUT | MAX AMP DRAW |
|-----------|-----------|---------------|-------------------|-------------|--------------|
| MODEL     | TYPE      | IN/LBS (CMKG) | FORCE LBS (N)     | (KW)        | 115          |
| XHD-A1.5T | NEA 50120 | 2.08(2.4)     | 384(1706)         | 0.18        | 1.52         |
| XHD-A2T   | NEA 50200 | 2.78(3.2)     | 511(2274)         | 0.18        | 1.52         |
| XHD-A5T   | NEA 50300 | 3.47(4)       | 639(2843)         | 0.27        | 2.4          |
| XHD-A8T   | NEA 50550 | 5.99(6.9)     | 1102(4904)        | 0.5         | 4.5          |
| XHD-A12T  | NEA 50770 | 9.55(11)      | 1758(7818)        | 0.69        | 7            |

### XHD 3 PH PERFORMANCE DATA

|           |            | UNBALANCE     | CENTRIFUGAL FORCE | POWER INPUT | MAX AMP DRAW |
|-----------|------------|---------------|-------------------|-------------|--------------|
| MODEL     | TYPE       | IN/LBS (CMKG) | FORCE LBS (N)     | (KW)        | 230/460      |
| XHD-C1.5T | NEG 50120  | 2.08(2.4)     | 384(1706)         | 0.18        | 0.6/0.3      |
| XHD-C2.5T | NEG 50200  | 2.78(3.2)     | 511(2274)         | 0.18        | 0.6/0.3      |
| XHD-C5T   | NEG 50300  | 3.47(4)       | 639(2843)         | 0.27        | 1.0/0.5      |
| XHD-C8T   | NEG 50550  | 5.99(6.9)     | 1102(4904)        | 0.5         | 1.5/0.75     |
| XHD-C12T  | NEG 50770  | 9.55(11)      | 1758(7818)        | 0.69        | 2.0/1.0      |
| XHD-C16T  | NEG 501140 | 12.76(14.7)   | 2349(10448)       | 1.2         | 3.5/1.75     |
| XHD-C24T  | NEG 501540 | 18.23(21)     | 3355(14925)       | 1.45        | 4.0/2.0      |
| XHD-C36T  | NEG 502020 | 22.57(26)     | 4154(18479)       | 2.2         | 6.0/3.0      |

## PHOTOS



XHD™ Extra Heavy Duty  
Electric Vibrators