

VE 1200 rpm Electric Vibrator

Powtek **VE3 / 1200** vibrator series is designed for those applications requiring high amplitude.

Drum product densification, filling stations and foundry shake-outs make large use of this vibrator.

All units are continuous duty even at maximum force output.

Force output precisely adjustable from 20% to 100%.



VE3 1200 RPM Three-Phase

PERFORMANCE DATA

| MODEL | FORCE OUTPUT | UNBALANCE | HP | AMP DRAW 460 V | AMP DRAW 230 V | STARTUP CURRENT MULTIPLIER | FRAME | WEIGHT |
|--------------|--------------|-----------|------|----------------|----------------|----------------------------|-------|--------|
| | lbs | in -lbs | h.p. | Amps | Amps | | | lbs |
| VE3/12/110 | 110 | 2.7 | 0.12 | 0.35 | 0.7 | 1.6 | 1 | 12 |
| VE3/12/220 | 220 | 7.1 | 0.21 | 0.43 | 0.86 | 1.8 | 2 | 24 |
| VE3/12/550 | 560 | 14 | 0.38 | 0.54 | 1.08 | 2.6 | 3 | 54 |
| VE3/12/700 | 704 | 17 | 0.40 | 0.56 | 1.12 | 2.5 | 3 | 73 |
| VE3/12/980 | 999 | 24 | 0.47 | 0.68 | 1.36 | 3.0 | 4-A | 100 |
| VE3/12/1250 | 1248 | 31 | 0.62 | 0.95 | 1.9 | 3.3 | 4-B | 105 |
| VE3/12/2000 | 2044 | 50 | 1.07 | 1.3 | 2.6 | 4.4 | 15-A | 117 |
| VE3/12/2800 | 2926 | 71 | 1.21 | 1.6 | 3.2 | 4.7 | 15-B | 139 |
| VE3/12/4000 | 4382 | 107 | 1.88 | 2.3 | 4.6 | 4.8 | 20 | 189 |
| VE3/12/6000 | 7190 | 175 | 2.68 | 4.2 | 8.4 | 5.2 | 30 | 288 |
| VE3/12/10000 | 11033 | 269 | 3.75 | 5 | 10 | 6.0 | 50 | 398 |
| VE3/12/15000 | 14480 | 353 | 8.04 | 9.5 | 19 | 5.3 | 70 | 550 |
| VE3/12/18000 | 18700 | 456 | 11.4 | 13 | 26 | 4.8 | 70-B | 636 |
| VE3/12/18700 | 18700 | 456 | 11.4 | 13 | 26 | 4.8 | 120-A | 781 |
| VE3/12/20000 | 20926 | 510 | 12 | 14 | 28 | 4.7 | 120-B | 825 |
| VE3/12/25000 | 27093 | 661 | 14 | 16 | 33 | 5.5 | 120-C | 979 |
| VE3/12/44000 | 44222 | 1078 | 25 | 28 | 56 | 5.2 | 200 | 1958 |

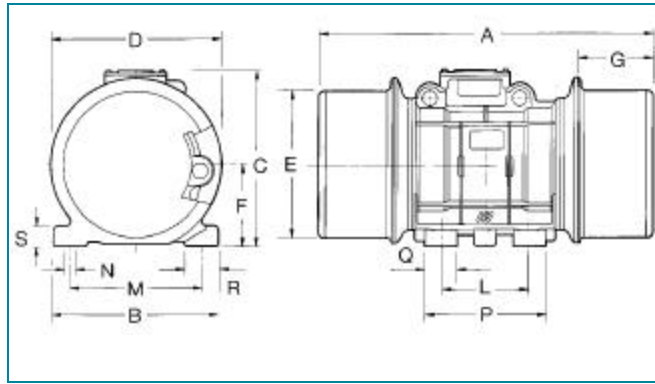


The **VE3 / 1200** is widely used with **vibratory screeners** for product sizes ranging between 3/4" and 2"

and with **vibratory feeders** that require high G force and lower tonnage rate



D I M E N S I O N S



| D I M E N S I O N S | | | | | | | | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|------|-------|----------------|-------|----------------|------|-------|------|------|------|---------------|
| MODEL | A | B | C | D | E | F | G | L | L ₁ | M | M ₁ | N | P | Q | R | S | BOLT HOLE NBR |
| VE3/12/110 | 9.06 | 5.91 | 5.71 | 5.12 | 4.13 | 2.36 | 2.17 | 2.76 | 2.44-2.91 | 5.12 | 4.17 | 0.35 | 3.9 | 1.18 | 1.38 | 0.39 | 4 |
| VE3/12/220 | 11.73 | 6.54 | 7.28 | 6.30 | 5.12 | 2.95 | 2.72 | 3.54 | 3.54 | 4.92 | 5.51 | 0.51 | 4.72 | 1.18 | 1.57 | 0.47 | 4 |
| VE3/12/550 | 13.78 | 7.48 | 8.07 | 7.36 | 5.94 | 3.35 | 3.35 | 4.13 | | 5.51 | | 0.51 | 5.35 | 1.30 | 1.57 | 0.63 | 4 |
| VE3/12/700 | 13.78 | 7.48 | 8.07 | 7.36 | 5.94 | 3.35 | 3.35 | 4.13 | | 5.51 | | 0.51 | 5.35 | 1.30 | 1.57 | 0.63 | 4 |
| VE3/12/980 | 13.98 | 8.27 | 9.29 | 8.50 | 7.13 | 3.98 | 2.80 | 4.72 | | 6.70 | | 0.67 | 6.30 | 1.57 | 1.69 | 0.79 | 4 |
| VE3/12/1250 | 16.34 | 8.27 | 9.29 | 8.50 | 7.13 | 3.98 | 3.98 | 4.72 | | 6.70 | | 0.67 | 6.30 | 1.57 | 1.69 | 0.79 | 4 |
| VE3/12/2000 | 19.21 | 9.65 | 10.24 | 10.16 | 8.62 | 4.80 | 4.21 | 5.51 | | 7.48 | | 0.67 | 7.48 | 1.57 | 1.77 | 0.98 | 4 |
| VE3/12/2800 | 21.42 | 9.65 | 10.24 | 10.16 | 8.62 | 4.80 | 5.31 | 5.51 | | 7.48 | | 0.67 | 7.48 | 1.57 | 1.77 | 0.98 | 4 |
| VE3/12/4000 | 22.83 | 10.83 | 12.20 | 10.94 | 9.41 | 5.20 | 5.35 | 6.10 | | 8.86 | | 0.83 | 8.07 | 1.97 | 2.17 | 1.18 | 4 |
| VE3/12/6000 | 24.02 | 12.80 | 13.54 | 12.80 | 11.14 | 6.18 | 5.39 | 6.14 | | 10.08 | | 0.91 | 8.66 | 2.17 | 2.36 | 1.38 | 4 |
| VE3/12/10000 | 27.44 | 13.39 | 14.72 | 13.98 | 12.17 | 6.77 | 6.30 | 7.09 | | 11.02 | | 0.98 | 9.45 | 2.36 | 2.56 | 1.57 | 4 |
| VE3/12/15000 | 30.79 | 15.35 | 16.26 | 15.67 | 13.66 | 7.52 | 6.97 | 7.87 | | 12.6 | | 1.10 | 11.02 | 2.95 | 3.07 | 1.77 | 4 |
| VE3/12/18000 | 33.31 | 15.35 | 16.26 | 15.67 | 13.66 | 7.52 | 7.95 | 7.87 | | 12.6 | | 1.10 | 11.02 | 2.95 | 3.07 | 1.77 | 4 |
| VE3/12/18700 | 34.65 | 17.91 | 17.64 | 18.11 | 16.18 | 8.86 | 8.07 | 10.24 | | 14.76 | | 1.26 | 13.39 | 3.39 | 3.27 | 1.97 | 6 |
| VE3/12/20000 | 34.65 | 17.91 | 17.64 | 18.11 | 16.18 | 8.86 | 8.07 | 10.24 | | 14.76 | | 1.26 | 13.39 | 3.39 | 3.27 | 1.97 | 6 |
| VE3/12/25000 | 36.06 | 17.91 | 17.64 | 18.11 | 16.18 | 8.86 | 8.07 | 10.24 | | 14.76 | | 1.26 | 13.39 | 3.39 | 3.27 | 1.97 | 6 |
| VE3/12/44000 | 43.30 | 24.21 | 23.62 | 23.42 | 21.30 | 11.81 | 8.66 | 16.55 | | 20.47 | | 1.77 | 21.45 | 3.54 | 2.54 | 1.97 | 8 |

F E A T U R E S

Housing is in a ductile cast iron that combines high structural strength with remarkable mechanical flexibility.

End covers are sealed with o-rings to protect from dust and water

Coating is highly resistant to impacts, abrasion and is able to withstand a variety of harmful chemicals.

Units use uniquely oversized bearings designed to carry large axial and radial forces.

All units from size 2000 and larger are supplied with roller bearings with grease fittings reaching both sides of the bearing. No more dry bearings in vertical applications.

with vibratory tables



with tubular feeders



POWTEK

I N D U S T R I A L V I B R A T O R S

2500 PEARL BUCK RD - SUITE I
BRISTOL, PA 19007
TEL: 215-788-2888 FAX: 215-788-2883
powtek@comcast.net
www.powtek.us