

PRODUCT CATELOQUE



SRIKKA MOTORS

Industrial Vibration Motors



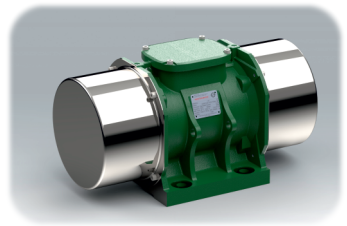
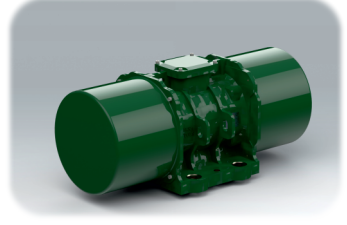
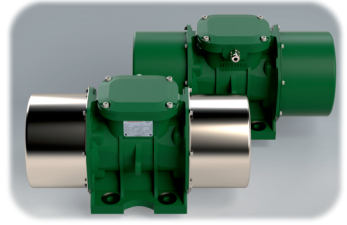
About Us



SRI KANCHI KAMATCHI ENERGY MOTORS PRIVATE LIMITED (SRIKKA MOTORS) is an electric motor manufacturing company, specifically manufacturing industrial electric vibration motors in accordance to international manufacturing standards as well as ASME Y14 quality standards. We implement QFD throughout our processes to maintain product quality at every stage of manufacturing.

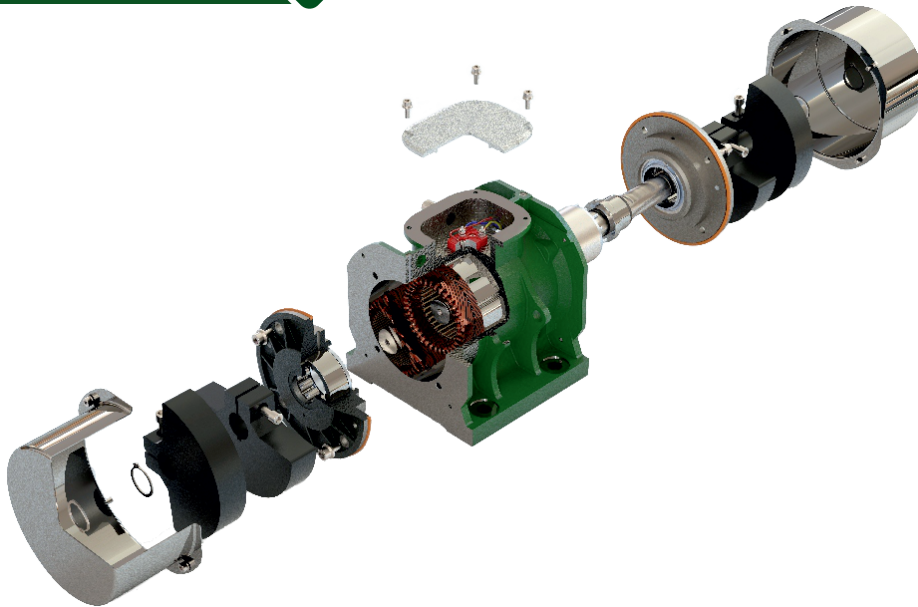
Located in the manufacturing capital of southern India - Coimbatore, Srikka Motors is progressing and contributing to Make in India with its advanced manufacturing process and 100% native components.

We manufacture electric vibrating motors for various industrial applications on various specific requirements. We firmly believe that 'innovation is the parent of all inventions. The core of the company is the Research and Development department. We have a proven engineering team to deploy advanced engineering concepts in vibration motor technology. With the help of advanced engineering tools on CAD and CAE, we deliver valuable engineering products.



Vibration Motors

Electric Vibrator



Electric vibration motors provides mechanical vibration from centrifugal force through eccentric mass rotation. Srikka electric vibrators capable of generating centrifugal force from 20kg to 10000kg with several voltage systems. This vibration can be adjustable through the simple eccentric mass adjustment. for the precise material movement and feeding applications, Srikka electric vibrators provide excellent application oriented service for various industrial applications. from fine material movement to mass hopping operations. Srikka's Vibrators are providing reliable service through well engineered product.

Standard Vibration motors
3000 RPM / 2Pole - 385 - 415V, 50Hz

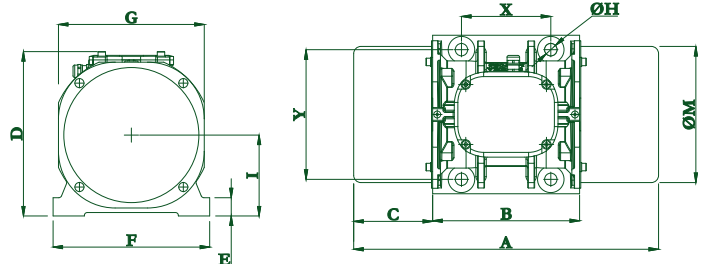
| # | Model No | Wm | Centrifugal Force | Power | | Connection | Current | | Cable Gland | Foot Print | | Dimensions | | | | | | | | | |
|----|-------------|-------|-------------------|-------|-------|------------|---------|---------|-------------|------------|-----|------------|-----|-----|-----|-----|-----|-----|----|-----|-----|
| | | KgCm | (Kg) | KW | hP | Δ / Y | Nominal | Ia / In | | X | Y | H | A | B | M | C | D | F | E | I | G |
| 1 | SCP20500D00 | 10.6 | 530 | 0.56 | 0.75 | Y | 1.21 | 4.3 | M16 | 105 | 140 | 13 | 340 | 174 | 158 | 83 | 196 | 170 | 20 | 92 | 169 |
| 2 | SCP20700D00 | 15.2 | 758 | 0.75 | 1.00 | Y | 1.5 | 4.45 | M16 | 105 | 140 | 13 | 340 | 174 | 158 | 83 | 196 | 170 | 20 | 92 | 169 |
| 3 | SCP20750E00 | 15.9 | 794 | 0.75 | 1.00 | Y | 1.5 | 4.45 | M16 | 120 | 170 | 17 | 330 | 185 | 170 | 72 | 210 | 208 | 22 | 96 | 185 |
| 4 | SCP21000E00 | 20.1 | 1005 | 0.93 | 1.25 | Y | 1.83 | 4.65 | M16 | 120 | 170 | 17 | 330 | 185 | 170 | 72 | 210 | 208 | 22 | 96 | 185 |
| 5 | SCP21250E00 | 27.1 | 1355 | 1.30 | 1.75 | Y | 2.44 | 5.4 | M16 | 120 | 170 | 17 | 330 | 185 | 170 | 72 | 210 | 208 | 22 | 96 | 185 |
| 6 | SCP21600F00 | 31.0 | 1551 | 1.49 | 2.00 | Y | 2.98 | 6.2 | M20 | 140 | 190 | 17 | 410 | 220 | 220 | 95 | 255 | 230 | 26 | 124 | 240 |
| 7 | SCP22000F00 | 39.7 | 1987 | 1.87 | 2.51 | Y | 3.4 | 6.45 | M20 | 140 | 190 | 17 | 410 | 220 | 220 | 95 | 255 | 230 | 26 | 124 | 240 |
| 8 | SCP22300F00 | 46.1 | 2303 | 2.24 | 3.00 | Y | 4.2 | 6.1 | M20 | 140 | 190 | 17 | 410 | 220 | 220 | 95 | 255 | 230 | 26 | 124 | 240 |
| 9 | SCP23300G50 | 67.2 | 3362 | 2.61 | 3.50 | Y | 5.1 | 8.2 | M20 | 155 | 255 | 22 | 530 | 280 | 265 | 125 | 311 | 304 | 30 | 147 | 285 |
| 10 | SCP24040G50 | 86.4 | 4321 | 2.98 | 4.00 | Y | 5.3 | 8.7 | M20 | 155 | 255 | 22 | 530 | 280 | 265 | 125 | 311 | 304 | 30 | 147 | 285 |
| 11 | SCP25050G50 | 100.2 | 5009 | 3.73 | 5.00 | Y | 7.0 | 8.7 | M20 | 155 | 255 | 22 | 570 | 280 | 265 | 145 | 311 | 304 | 30 | 147 | 285 |
| 12 | SCP26500H50 | 129.8 | 6490 | 5.22 | 7.00 | Δ | 9.36 | 8.7 | M25 | 200 | 320 | 28 | 620 | 358 | 375 | 140 | 405 | 400 | 40 | 205 | 410 |
| 13 | SCP29000H50 | 180.3 | 9015 | 9.33 | 12.51 | Δ | 17.65 | 8.6 | M25 | 200 | 320 | 28 | 620 | 358 | 375 | 140 | 405 | 400 | 40 | 205 | 410 |

Standard Vibration motors
1500 RPM / 4Pole - 385 - 415V, 50Hz

| | | | | | | | | | | | | | | | | | | | | | |
|----|-------------|-------|------|------|-------|---|-------|------|-----|-----|-----|----|---------|-----|-----|---------|-----|-----|----|-----|-----|
| 1 | SCP40400D00 | 33.6 | 420 | 0.18 | 0.25 | Y | 0.54 | 2.20 | M16 | 105 | 140 | 13 | 340 | 174 | 160 | 83 | 196 | 170 | 20 | 92 | 174 |
| 2 | SCP40500D00 | 40.3 | 504 | 0.37 | 0.50 | Y | 1.08 | 3.00 | M16 | 105 | 140 | 13 | 340 | 174 | 160 | 83 | 196 | 170 | 20 | 92 | 174 |
| 3 | SCP40300E00 | 26.7 | 334 | 0.56 | 0.75 | Y | 1.24 | 3.10 | M16 | 120 | 170 | 17 | 330 | 185 | 170 | 72 | 210 | 208 | 22 | 96 | 185 |
| 4 | SCP40600E00 | 57.1 | 714 | 0.56 | 0.75 | Y | 1.24 | 3.10 | M16 | 120 | 170 | 17 | 400 | 185 | 170 | 102 | 210 | 208 | 22 | 96 | 185 |
| 5 | SCP40900E00 | 76.0 | 950 | 0.93 | 1.25 | Y | 2.00 | 4.70 | M16 | 120 | 170 | 17 | 465 | 185 | 170 | 135 | 210 | 208 | 22 | 96 | 185 |
| 6 | SCP41400F00 | 107.4 | 1342 | 0.75 | 1.00 | Y | 1.82 | 4.30 | M20 | 140 | 190 | 17 | 460 | 220 | 222 | 120 | 255 | 230 | 26 | 124 | 240 |
| 7 | SCP41700F00 | 140.2 | 1752 | 1.12 | 1.50 | Y | 2.17 | 4.95 | M20 | 140 | 190 | 17 | 460 | 220 | 222 | 120 | 255 | 230 | 26 | 124 | 240 |
| 8 | SCP42400F01 | 188.4 | 2355 | 1.49 | 2.00 | Y | 3.15 | 5.00 | M20 | 140 | 190 | 17 | 460-500 | 220 | 222 | 120-140 | 255 | 230 | 26 | 124 | 240 |
| 9 | SCP42500G00 | 205.0 | 2563 | 1.49 | 2.00 | Y | 3.15 | 5.00 | M20 | 155 | 225 | 22 | 505 | 255 | 237 | 125 | 285 | 275 | 30 | 142 | 256 |
| 10 | SCP43000G00 | 248.2 | 3102 | 1.87 | 2.50 | Y | 3.65 | 6.65 | M20 | 155 | 225 | 22 | 537 | 255 | 237 | 140 | 285 | 275 | 30 | 142 | 256 |
| 11 | SCP43800G00 | 307.4 | 3843 | 2.24 | 3.00 | Y | 4.10 | 7.00 | M20 | 155 | 225 | 22 | 537 | 255 | 237 | 140 | 285 | 304 | 30 | 147 | 285 |
| 12 | SCP44300G50 | 344.2 | 4303 | 2.24 | 3.00 | Y | 4.10 | 7.00 | M20 | 155 | 255 | 28 | 584 | 280 | 265 | 150 | 311 | 304 | 32 | 147 | 285 |
| 13 | SCP45500H00 | 444.9 | 5561 | 2.60 | 3.50 | Y | 4.75 | 7.25 | M25 | 180 | 280 | 26 | 610 | 320 | 310 | 145 | 351 | 332 | 37 | 167 | 345 |
| 14 | SCP47200H50 | 579.7 | 7246 | 3.73 | 5.00 | Δ | 8.10 | 7.00 | M25 | 200 | 320 | 28 | 620 | 358 | 375 | 140 | 405 | 400 | 40 | 205 | 410 |
| 15 | SCP49000H50 | 720.8 | 9010 | 7.46 | 10.00 | Δ | 13.56 | 7.25 | M25 | 200 | 320 | 28 | 620 | 358 | 375 | 140 | 405 | 400 | 40 | 205 | 410 |

Standard Vibration motors
1000 RPM / 4Pole - 385 - 415V, 50Hz

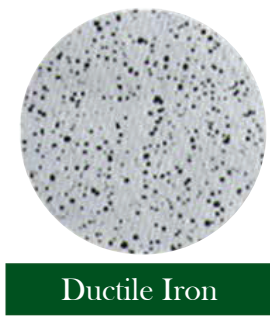
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|----|-------------|--------|------|------|------|---|-------|------|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| 1 | SCP60200D00 | 22.4 | 187 | 0.18 | 0.25 | Y | 0.66 | 2.20 | M16 | 105 | 140 | 13 | 340 | 174 | 160 | 83 | 196 | 170 | 20 | 92 | 174 |
| 2 | SCP60350E00 | 38.2 | 318 | 0.37 | 0.50 | Y | 0.98 | 2.80 | M16 | 120 | 170 | 17 | 400 | 185 | 170 | 102 | 210 | 208 | 22 | 96 | 185 |
| 3 | SCP60550E00 | 61.6 | 513 | 0.56 | 0.75 | Y | 1.23 | 3.00 | M16 | 120 | 170 | 17 | 465 | 185 | 170 | 135 | 210 | 208 | 22 | 96 | 185 |
| 4 | SCP60800F00 | 94.4 | 787 | 0.75 | 1.00 | Y | 1.42 | 3.40 | M20 | 140 | 190 | 17 | 500 | 220 | 222 | 140 | 255 | 230 | 26 | 124 | 240 |
| 5 | SCP61500F00 | 127.6 | 1063 | 0.93 | 1.25 | Y | 1.85 | 3.56 | M20 | 140 | 190 | 17 | 560 | 220 | 222 | 170 | 255 | 230 | 26 | 124 | 240 |
| 6 | SCP61600G00 | 200.8 | 1673 | 1.12 | 1.50 | Y | 2.35 | 3.80 | M20 | 155 | 225 | 22 | 565 | 255 | 237 | 155 | 285 | 275 | 30 | 142 | 256 |
| 7 | SCP62100G00 | 250.0 | 2083 | 1.49 | 2.00 | Y | 3.00 | 4.50 | M20 | 155 | 225 | 22 | 619 | 255 | 237 | 182 | 285 | 275 | 30 | 142 | 256 |
| 8 | SCP62600G50 | 313.2 | 2610 | 1.87 | 2.50 | Y | 4.00 | 4.90 | M20 | 155 | 225 | 24 | 700 | 280 | 265 | 210 | 311 | 304 | 32 | 147 | 285 |
| 9 | SCP63000G50 | 362.0 | 3017 | 2.24 | 3.00 | Y | 4.50 | 5.20 | M20 | 155 | 255 | 24 | 700 | 280 | 265 | 210 | 311 | 304 | 32 | 147 | 285 |
| 10 | SCP63800H00 | 455.9 | 3799 | 2.60 | 3.50 | Y | 5.60 | 6.15 | M25 | 180 | 280 | 26 | 680 | 320 | 311 | 185 | 351 | 332 | 32 | 170 | 330 |
| 11 | SCP64700H50 | 554.6 | 4622 | 3.00 | 4.00 | Y | 6.20 | 5.40 | M25 | 180 | 280 | 26 | 730 | 320 | 311 | 205 | 351 | 332 | 32 | 170 | 330 |
| 12 | SCP65200H50 | 623.0 | 5192 | 3.73 | 5.00 | Y | 6.90 | 5.70 | M25 | 200 | 320 | 28 | 708 | 358 | 375 | 175 | 405 | 400 | 40 | 205 | 410 |
| 13 | SCP66500H50 | 780.7 | 6506 | 4.48 | 6.00 | Y | 7.90 | 6.50 | M25 | 200 | 320 | 28 | 708 | 358 | 375 | 175 | 405 | 400 | 40 | 205 | 410 |
| 14 | SCP68000H50 | 962.2 | 8018 | 5.22 | 7.00 | Δ | 12.10 | 6.10 | M25 | 200 | 320 | 28 | 708 | 358 | 375 | 210 | 405 | 400 | 40 | 205 | 410 |
| 15 | SCP69000H50 | 1072.3 | 8936 | 6.00 | 8.00 | Δ | 13.00 | 6.00 | M25 | 200 | 320 | 28 | 708 | 358 | 375 | 210 | 405 | 400 | 40 | 205 | 410 |



ANNOTATION REFERENCE

1. Spheroidal Graphite iron Casting Body:

Srikka vibration motors are made up of high strength SG Cast / Ductile Iron to withstand the heavy vibration load from shaft to body through high quality bearings. Both body and flange are simulated for structural, vibration, thermal analysis for smooth and reliable operation. All the designs and prototypes are analysed through FMEA process.



| Characteristic | Ductile Iron | Grey Iron |
|-----------------------|---------------|-----------|
| Castability | No Preference | |
| Ease of machining | | ✓ |
| Vibration Damping | | ✓ |
| Surface Hardenability | No Preference | |
| Modulus of Elasticity | ✓ | |
| Impact Resistance | ✓ | |
| Corrosion Resistance | No Preference | |
| Strength / Weight | ✓ | |
| Wear Resistance | No Preference | |
| Cost Of Manufacture | | ✓ |

2. Energy Efficient Motors

Stampings used for stator and rotor of the Srikka Vibration motors are as per Ie2 / Ie3 energy efficient standards. F class copper winding along with vacuum impregnation provides additional support to maintain the efficiency standard.

