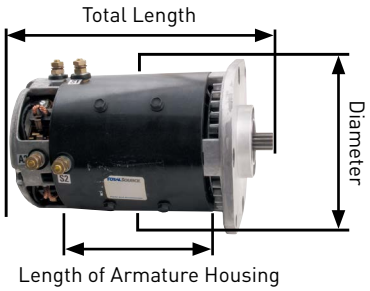
**Electric Motors** Motores Eléctricos Moteurs Électriques . . . . . **1210**
**Hydraulic Motors** Motores Hidráulica Moteurs Hydraulique . . . . . **1235**
**Motor Maintenance** Mantenimiento del Motor Entretien de Moteur . . . . . **1248**
**Remanufactured Motors** Motores Remanufacturados Moteurs Remanufacturés . . . . . **1242**
**Vacuum Motors** Motores de Aspiradoras Moteurs à Dépression . . . . . **1240**

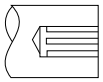
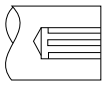
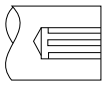
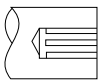
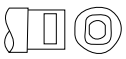
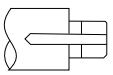
# 22

**Motors** Motores Moteurs

# **Electric Motors Motores Eléctricos** Moteurs Électriques

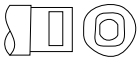
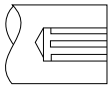
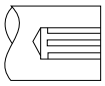
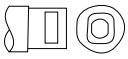
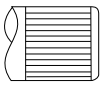
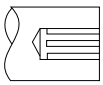
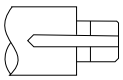
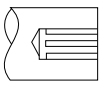
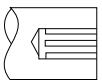



## Advance

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100101 |  | 8.49"<br>216mm | 5.66"<br>144mm" | 6.70"<br>170mm | 4 | 24<br>36<br>48 | 120 | 1080<br>2600<br>2360 | 3.00<br>6.00<br>8.00 |
| SYM5520 |  | 8.86"<br>225mm | 6.18"<br>157mm | 6.70"<br>170mm | 4 | 36 | 80 | 2400 | 3.00 |
| SYM5510 |  | 8.95"<br>227mm | 6.18"<br>157mm | 6.70"<br>170mm | 4 | 36 | 65 | 2700 | 3.00 |
| SYM100100 |  | 8.98"<br>228mm | 6.18"<br>157mm | 6.70"<br>170mm | 4 | 24<br>36<br>48 | 82 | 1200<br>1850<br>2000 | 4.00<br>7.00<br>9.00 |
| SYM99902 |  | 9.29"<br>236mm | 6.40"<br>163mm | 5.50"<br>140mm | 2 | 36<br>48 | 25 | 1200 | 1.00 |
| SYM5140 |  | 9.75"<br>248mm | 5.75"<br>146mm | 6.70"<br>170mm | 2 | 48 | 22 | 2100 | 2.00 |
| SYM100062 | | 9.75"<br>248mm | 5.75"<br>146mm | 6.70"<br>170mm | 2 | 36<br>48 | 43 | 1250 | 1.00 |

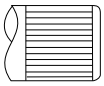
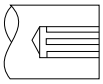
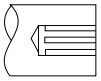
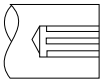
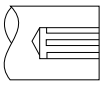
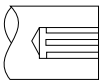
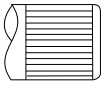
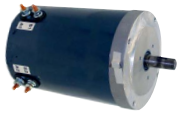
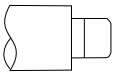
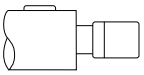
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Advance

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100060 |  | 9.75"<br>248mm | 5.75"<br>146mm | 6.70"<br>170mm | 2 | 36<br>48 | 43 | 1250 | 1.00 |
| SYM100114 |  | 9.76"<br>248mm | 5.92"<br>150mm | 6.70"<br>170mm | 2 | 24 | 110 | 1200 | 2.00 |
| SYM5880 |  | 9.75"<br>248mm | 5.92"<br>150mm | 6.70"<br>170mm | 2 | 48 | 80 | 3100 | 4.00 |
| SYM100107 |  | 9.97"<br>253mm | 5.92"<br>150mm | 6.70"<br>170mm | 2 | 24 | 110 | 1200 | 2.00 |
| SYM100176 |  | 9.99"<br>253mm | 3.36"<br>85mm | 5.50"<br>140mm | 2 Wires | 24 | 66 | 2760 | 1.00 |
| SYM100155 |  | 10.23"<br>260mm | 5.92"<br>150mm | 6.70"<br>170mm | 4 | 24<br>36<br>48 | 96 | 2000 | 5.00<br>8.00<br>10.00 |
| SYM5250 |  | 10.26"<br>261mm | 5.35"<br>136mm | 5.50"<br>140mm | 4 | 24 | 137 | 2500 | 3.00 |
| SYM5950 |  | 10.44"<br>265mm | 5.75"<br>146mm | 6.70"<br>170mm | 4 | 36 | 64 | 1400 | 2.00 |
| SYM5930 |  | 10.46"<br>265mm | 5.92"<br>150mm | 6.70"<br>170mm | 4 | 24<br>36<br>48 | 110 | 1350<br>2700<br>1850 | 4.00<br>7.00<br>10.00 |

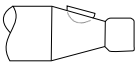
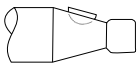
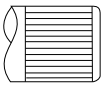
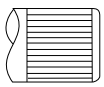
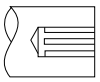
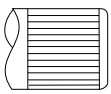
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Advance

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM5750 |  | 10.93"<br>278mm | 5.92"<br>150mm | 6.70"<br>170mm | 4 | 24 | 100 | 1720 | 3.00 |
| SYM100177 |  | 11.16"<br>283mm | 6.55"<br>166mm | 5.50"<br>140mm | 2 | 24 | 300 | 1800 | 9.00 |
| SYM5030 |  | 11.16"<br>283mm | 6.55"<br>166mm | 5.50"<br>140mm | 2 | 12<br>24 | 300 | 1800 | 9.00 |
| SYM5070 |  | 11.16"<br>283mm | 6.55"<br>166mm | 5.50"<br>140mm | 2 | 12<br>24 | 300 | 1800 | 9.00 |
| SYM5050 |  | 11.16"<br>283mm | 6.55"<br>166mm | 5.50"<br>140mm | 2 | 24 | 300 | 1800 | 9.00 |
| SYM100089 |  | 11.16"<br>283mm | 6.55"<br>166mm | 5.58"<br>142mm | 2 | 24 | 300 | 1800 | 9.00 |
| SYM100175 |  | 11.46"<br>291mm | 4.85"<br>123mm | 4.50"<br>114mm | 4 | 24 | 44 | 1900 | 1.00 |
| SYM99901  |  | 11.53"<br>293mm | 5.92"<br>150mm | 6.70"<br>170mm | 4 | 24<br>36<br>48 | 120<br>125<br>127 | 1080<br>2600<br>2360 | 3.00<br>6.00<br>8.00 |
| SYM100221 |  | 11.73"<br>298mm | 7.55"<br>192mm | 5.58"<br>142mm | 4 | 36 | 77 | 2200 | 4.00 |

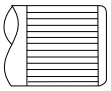
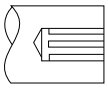
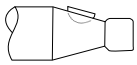
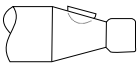
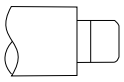
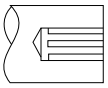
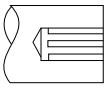
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Advance

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM5480 |  | 12.06"<br>306mm | 5.92"<br>150mm | 6.70"<br>170mm | 4 | 36 | 65 | 2700 | 3.00 |
| SYM5130 |  | 12.39"<br>314mm | 6.55"<br>166mm | 5.50"<br>140mm | 4 | 24 | 55 | 2000 | 2.00 |
| SYM5060 |  | 12.54"<br>319mm | 7.05"<br>179mm | 6.70"<br>170mm | 4 | 36 | 120 | 1900 | 6.00 |
| SYM5080 |  | 12.54"<br>319mm | 7.05"<br>179mm | 6.70"<br>170mm | 4 | 36 | 120 | 1650 | 5.00 |
| SYM100109 |  | 12.58"<br>320mm | 7.05"<br>179mm | 6.70"<br>170mm | 6 | 24<br>36 | 370<br>275 | 1300<br>2100 | 3.00 |
| SYM5200 | Special | 12.64"<br>321mm | 5.30"<br>135mm | 6.70"<br>170mm | 4 | 24 | 100 | 1700 | 2.00 |
| SYM5570 | Special | 12.64"<br>321mm | 5.30"<br>135mm | 6.70"<br>170mm | 4 | 12 | 133 | 1780 | 2.00 |
| SYM100154 | | 12.64"<br>321mm | 5.30"<br>135mm | 6.70"<br>170mm | 4 | 36<br>48 | 62 | 3200 | 3.00 |
| SYM5890 |  | 12.64"<br>321mm | 5.30"<br>135mm | 6.75"<br>171mm | 4 | 24 | 80 | 1340 | 2.00 |

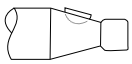
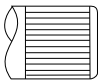
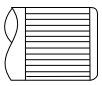
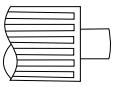
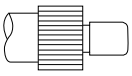
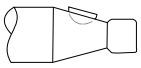
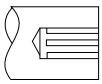
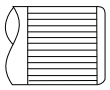
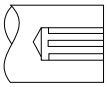
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Advance

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM99903 | | 12.73" 323mm | 5.92" 150mm | 6.70" 170mm | 4 | 24 36 48 | 140 | 2300 | 5.00 |
| SYM5960 |  | 12.81" 325mm | 7.79" 198mm | 6.70" 170mm | 4 | 24 | 150 | 3300 | 14.00 |
| SYM99905 |  | 12.85" 326mm | 7.05" 179mm | 6.70" 170mm | 2 | 48 | 230 | 2000 | 11.00 |
| SYM5110 |  | 13.13" 334mm | 5.55" 141mm | 5.50" 140mm | 4 | 24 | 45 | 1400 | 1.00 |
| SYM5150 |  | 13.13" 334mm | 5.55" 141mm | 5.50" 140mm | 4 | 24 | 50 | 1100 | 1.00 |
| SYM5170 |  | 13.13" 334mm | 5.55" 141mm | 5.58" 142mm | 4 | 24 | 62 | 1150 | 1.00 |
| SYM6060 |  | 13.36" 339mm | 8.02" 203mm | 6.70" 170mm | 4 | 24 36 48 | 165 | 2750 | 6.00 12.00 16.00 |
| SYM5780 |  | 13.55" 344mm | 8.02" 203mm | 6.70" 170mm | 2 | 48 | 1200 | 1800 | 8.00 |
| SYM100063 | | 13.55" 344mm | 8.02" 203mm | 6.70" 170mm | 2 | 36 | 325 | 1850 | 11.00 |

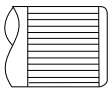
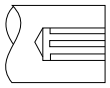
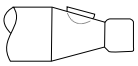
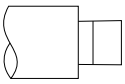
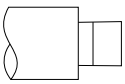
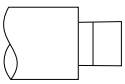
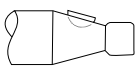
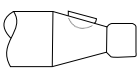
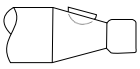
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Advance

| | Outgoing Shaft | **Total Length** ▼ | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM5240 |  | 13.75" 349mm | 5.30" 135mm | 6.70" 170mm | 4 | 24 | 80 | 1620 | 2.00 |
| SYM6040 |  | 13.84" 352mm | 7.79" 198mm | 6.70" 170mm | 4 | 48 | 100 | 2250 | 4.00 |
| SYM5920 |  | 14.03" 356mm | 9.02" 229mm | 6.70" 170mm | 4 | 24 | 105 | 1175 | 5.00 |
| SYM99904 |  | 14.59" 370mm | 5.81" 147mm | 6.70" 170mm | 4 | 24 | 80 | 2400 | 3.00 |
| SYM99907 |  | 14.59" 370mm | 5.81" 147mm | 6.70" 170mm | 4 | 12 | 120 | 1200 | 3.00 |
| SYM5710 |  | 14.98" 380mm | 7.05" 179mm | 6.70" 170mm | 4 | 24 | 140 | 220 | 4.00 |
| SYM6050 |  | 15.03" 382mm | 10.02" 255mm | 6.70" 170mm | 4 | 24<br>36<br>48 | 340 | 1250 | 11.00 |
| SYM5100 |  | 15.54" 395mm | 7.05" 179mm | 6.70" 170mm | 4 | 36 | 120 | 1650 | 5.00 |
| SYM5040 |  | 15.55" 395mm | 10.02" 255mm | 6.70" 170mm | 2 | 36<br>48 | 340 | 1250 | 11.00 |

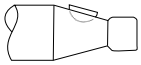
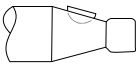
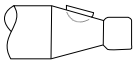
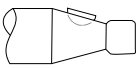
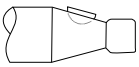
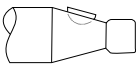
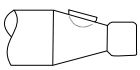
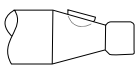
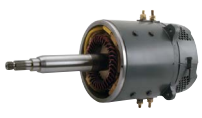
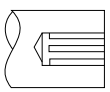
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Advance

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM2000 |  | 16.21" 412mm | 6.18" 157mm | 6.70" 170mm | 4 | 24 | 125 | 2063 | 3.00 |
| SYM5370 |  | 16.24" 413mm | 8.05" 204mm | 8.00" 203mm | 2 | 36 | 475 | 1500 | 16.00 |
| SYM100008 |  | 16.35" 415mm | 8.05" 204mm | 8.00" 203mm | 8 | 36 | 180 | 2060 | 1.00 |
| SYM100056 |  | 16.83" 428mm | 5.92" 150mm | 6.70" 170mm | 4 | 24 | 105 | 2660 | 5.00 |
| SYM100059 |  | 16.83" 428mm | 5.92" 150mm | 6.70" 170mm | 4 | 24 | 82 | 2145 | 4.00 |
| SYM100090 |  | 16.83" 428mm | 5.92" 150mm | 6.70" 170mm | 4 | 24<br>36<br>48 | 130<br>138 | 2400 | 5.00 |
| SYM5670 |  | 16.83" 428mm | 5.92" 150mm | 6.70" 170mm | 4 | 24 | 150 | 2300 | 4.00 |
| SYM100145 |  | 17.03" 433mm | 8.02" 203mm | 6.70" 170mm | 4 | 24 | 150 | 2900 | 6.00 |
| SYM5560 |  | 17.19" 437mm | 7.05" 179mm | 6.70" 170mm | 4 | 36 | 100 | 2200 | 5.00 |

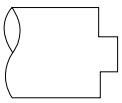
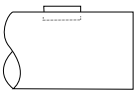
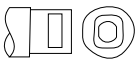
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Advance

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100140 |  | 17.57" 446mm | 6.18" 157mm | 6.70" 170mm | 4 | 24 | 150 | 3500 | 5.00 |
| SYM6330 |  | 18.15" 461mm | 8.02" 203mm | 6.70" 170mm | 4 | 24 | 210 | 1950 | 5.00 |
| SYM100017 |  | 18.17" 461mm | 8.02" 203mm | 6.70" 170mm | 4 | 24<br>36 | 210 | 2900 | 6.00 |
| SYM100106 |  | 18.17" 461mm | 8.02" 203mm | 6.70" 170mm | 4 | 24<br>36 | 150 | 2900 | 6.00 |
| SYM100095 |  | 18.66" 474mm | 8.05" 204mm | 8.00" 203mm | 4 | 36 | 200 | 2000 | 8.00 |
| SYM100084 |  | 18.66" 474mm | 8.05" 204mm | 8.00" 203mm | 4 | 36 | 200 | 2000 | 8.00 |
| SYM5400 |  | 18.66" 474mm | 8.05" 204mm | 8.00" 203mm | 4 | 36 | 200 | 2000 | 8.00 |
| SYM5840 |  | 19.26" 489mm | 8.02" 203mm | 6.70" 170mm | 4 | 36 | 200 | 1850 | 7.00 |
| SYM99918  |  | 19.97" 507mm | 6.43" 163mm | 6.70" 170mm | 4 | 24 | 102 | 3300 | 2.00 |

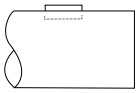
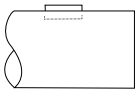
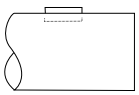
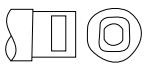
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Imperial

| | Outgoing Shaft | **Total Length** ▼ | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100227 |  | 8.00" 203mm | 4.92" 125mm | 3.97" 101mm | Two Way Connector | 36 | 10 | 2000 | 1.00 |
| SYM100163 | | 9.29" 236mm | 4.84" 123mm | 6.57" 167mm | Two Way Connector | 36 | 15 | 320 | 1.00 |
| SYM9500 | Special | 9.30" 236mm | 4.63" 118mm | 6.61" 168mm | 2 | 36 48 | 28 | 1230 1700 | 1.00 |
| SYM99977 | Special | 9.31" 236mm | 6.56" 167mm | 4.63" 117mm | Leads | 24 | 150 | 3600 | 1.00 |
| SYM100160 | | 9.31" 236mm | 4.88" 124mm | 6.56" 166mm | 2 | 36 | 15 | 320 | 1.00 |
| SYP56SD128 |  | 9.31" 236mm | 4.88" 124mm | 6.56" 166mm | 2 | 36 | 15 | 320 | 1.00 |
| SYM100151 |  | 9.69" 246mm | 5.95" 151mm | 6.69" 170mm | 2 | 36 48 | 26 | 1500 2000 | 1.00 2.00 |
| SYM100167 | Special | 10.23" 260mm | 6.96" 176mm | 4.00" 101mm | Leads | 36 | 17 | 1725 | 1.00 |
| SYM38400 | | 11.33" 288mm | 5.90" 150mm | 6.61" 168mm | Two Way Connector | 36 | 28 | 2200 | 1.00 |

# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Imperial

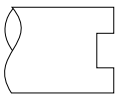
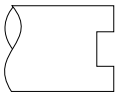
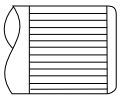
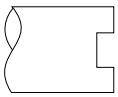
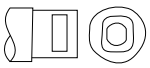
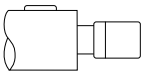
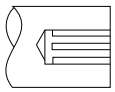
| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100231 | | 11.50" 292mm | 7.40" 188mm | 6.53" 166mm | Two Way Connector | 36 | 20 | 330 | 1.00 |
| SYM100226 |  | 11.65" 296mm | 7.28" 185mm | 6.06" 154mm | Two Way Connector | 24 | 23 | 270 | 1.00 |
| SYM100161 |  | 11.67" 296mm | 7.29" 185mm | 6.13" 155mm | 2 | 36 | 22 | 200 | 1.00 |
| SYP56SG617 | | 11.67" 296mm | 10.04" 255mm | 6.13" 155mm | Leads | 36 | 30 | 300 | 1.00 |
| SYM99978 | | 11.74" 298mm | 7.00" 178mm | 6.56" 166mm | Leads | 36 | 15 | 320 | 1.00 |
| SYM100228 | | 11.85" 301mm | 7.48" 190mm | 6.06" 154mm | Two Way Connector | 36 | 20 | 300 | 1.00 |
| SYM100224 |  | 12.67" 322mm | 7.28" 185mm | 6.65" 169mm | Two Way Connector | 36 | 31 | 2200 | 2.00 |
| SYM100158 |  | 13.00" 330mm | 8.98" 228mm | 4.63" 117mm | 2 | 48 | 70 | 3070 | 4.00 |
| SYM99975 | Special | 13.50" 343mm | 4.63" 118mm | 4.64" 118mm | 2 | 24 | 150 | 3600 | 4.00 |

# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Imperial

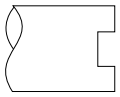
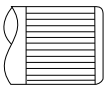
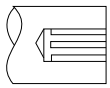
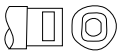
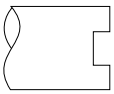
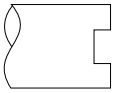
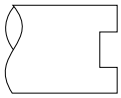
| | Outgoing Shaft | **Total Length** ▼ | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM99976 | | 14.03" 356mm | 4.63" 118mm | 4.63" 118mm | 2 | 24 | 40 | 3000 | 2.00 |
| SYMC200C4129C25 | | 14.03" 356mm | 9.10" 231mm | 4.63" 118mm | 2 | 36 | 45 | 200 | 2.00 |

## Iskra

| | Outgoing Shaft | **Total Length** ▼ | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100173 |  | 6.69" 170mm | 4.09" 104mm | 4.48" 114mm | 2 | 12 | 2 | 2500 | 1.00 |
| SYM99979 |  | 6.70" 170mm | 4.76" 121mm | 4.48" 114mm | 2 | 12 | 2 | 2600 | 1.00 |
| SYM100013 |  | 7.08" 180mm | 4.68" 119mm | 4.50" 114mm | 2 | 24 | 158 | 3550 | 3.00 |
| SYM100408 |  | 11.02" 280mm | 5.03" 128mm | 4.92" 125mm | 2 | 24 | 125 | 3100 | 4.00 |
| SYM100117 |  | 11.02" 280mm | 5.03" 128mm | 4.92" 125mm | 2 | 24 | 3 | 3100 | 1.00 |
| SYM100186 |  | 11.69" 297mm | 5.03" 128mm | 4.41" 112mm | 2 | 24 | 1 | 3300 | 1.00 |
| SYM100187 |  | 14.09" 358mm | 6.69" 170mm | 7.04" 179mm | 2 | 36 | 7 | 2050 | 1.00 |

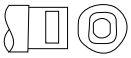
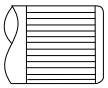
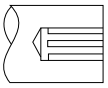
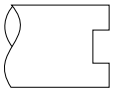
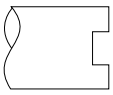
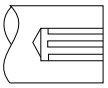
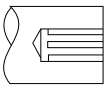
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Ohio

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Frame | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM35000 |  | 7.42" 188mm | 5.90" 150mm | B48 | 2 | 24 | 26 | 2000 | 1.00 |
| SYM100225 |  | 8.08" 205mm | 6.30" 160mm | C42 | 4 Wire Leads Connector | 36 | 53 | 1750 | 1.30 |
| SYM36900 | | 8.37" 213mm | 6.68" 170mm | A42 | 2 Wire Leads | 36 | 20 | 3850 | 1.00 |
| SYM27300 |  | 8.56" 217mm | 7.51" 191mm | B48 | 2 | 24 36 | 26 | 1900 | 1.00 |
| SYM27500 |  | 8.56" 217mm | 7.51" 191mm | B48 | 2 | 36 | 24 | 1660 | 1.00 |
| SYM23000 |  | 8.70" 221mm | 6.22" 158mm | D48 | 2 | 24 | 30 | 2050 | 1.00 |
| SYM23100 |  | 8.70" 221mm | 7.55" 192mm | D42 | 2 | 36 | 14 | 2150 | 1.00 |
| SYM42100 |  | 8.98" 228mm | 6.68" 170mm | B48 | 2 | 24 | 42 | 3000 | 1.00 |
| SYM39900 | | 9.45" 240mm | 7.95" 202mm | A18 | 2 | 36 | 65 | 2500 | 3.00 |

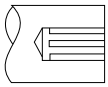
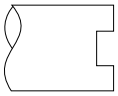
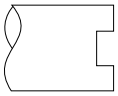
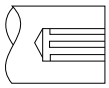
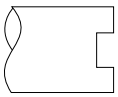
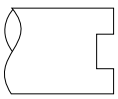
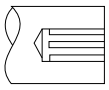
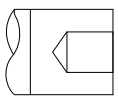
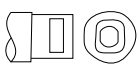
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Ohio

| | Outgoing Shaft | **Total Length** ▼ | Armature Housing Length | Frame | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100112 | Special | 9.69" 246mm | 8.46" 215mm | C48 | 2 | 36 48 | 65 | 1600 | 2.00 |
| SYM99993 |  | 9.75" 247mm | 6.49" 165mm | C56 | 2 | 36 48 | 2.2 | 1202 1328 | 0.25 |
| SYM40900 |  | 9.94" 253mm | 8.46" 215mm | D48 | 2 | 48 | 43 | 2700 | 2.00 |
| SYM99982 |  | 10.07" 256mm | 7.48" 190mm | D48 | 2 | 36 | 20 | 1400 | 1.00 |
| SYM35500 |  | 10.30" 262mm | 7.88" 200mm | C48 | 2 | 36 48 | 19 | 1400 1900 | 1.00 |
| SYM35800 |  | 10.30" 262mm | 7.88" 200mm | C48 | 2 | 36 48 | 19 | 1400 1900 | 1.00 |
| SYM99992 | Special | 10.47" 266mm | 7.67" 195mm | D48 | 2 | 24 | 162 | 3600 | 4.00 |
| SYM42800 |  | 10.55" 268mm | 7.59" 193mm | D48 | 2 | 24 | 162 | 3600 | 4.00 |
| SYM99984 |  | 10.81" 275mm | 7.55" 192mm | D48 | 2 | 36 | 74 | 1750 | 3.00 |

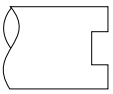
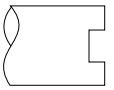
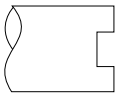
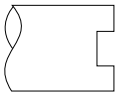
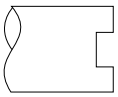
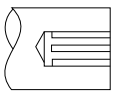
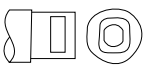
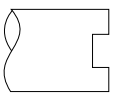
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Ohio

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Frame | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM99988 |  | 10.81" 275mm | 7.48" 190mm | D56 | 2 | 24 | 113 | 1750 | 3.00 |
| SYM99985 |  | 10.81" 275mm | 7.48" 190mm | D56 | 2 | 24 | 113 | 1750 | 3.00 |
| SYM99987 |  | 10.81" 275mm | 7.48" 190mm | D56 | 2 | 36 | 74 | 1750 | 3.00 |
| SYM99980 |  | 10.81" 275mm | 8.85" 225mm | D56 | 2 | 36 | 74 | 1750 | 3.00 |
| SYM42900 |  | 10.90" 276mm | 6.77" 172mm | D48 | 2 | 24 | 210 | 3600 | 7.00 |
| SYM1800 |  | 10.90" 277mm | 7.57" 192mm | D48 | 2 | 24 | 280 | 2000 2700 | 9.00 |
| SYM40400 |  | 10.90" 277mm | 7.99" 203mm | D48 | 2 | 24 | 162 | 3600 | 4.00 |
| SYM1900 |  | 10.92" 277mm | 7.99" 203mm | D48 | 2 | 36 48 | 41 | 1490 2090 | 1.00 2.00 |
| SYM99981 |  | 10.92" 277mm | 7.44" 189mm | D48 | 2 | 36 48 | 41 | 1490 2090 | 1.00 2.00 |

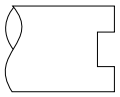
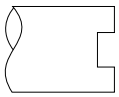
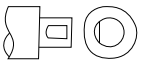
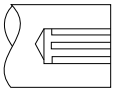
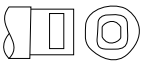
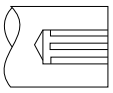
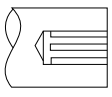
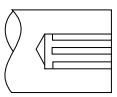
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Ohio

| | Outgoing Shaft | **Total Length** ▼ | Armature Housing Length | Frame | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM99986 | | 11.02"<br>280mm | 9.69"<br>246mm | D42 | 2 | 24 | 21 | 1450 | 1.00 |
| SYM100001 |  | 11.14"<br>283mm | 8.68"<br>221mm | D48 | 2 | 24<br>36 | 28 | 1660 | 1.00<br>1.00 |
| SYM3700 |  | 11.14"<br>283mm | 8.68"<br>221mm | D48 | 2 | 36<br>48 | 17 | 1700<br>2300 | 1.00<br>1.00 |
| SYM41200 |  | 11.19"<br>284mm | 7.87"<br>200mm | D56 | 2 | 36 | 5 | 2456<br>2790 | 1.00 |
| SYM42300 |  | 11.22"<br>285mm | 7.28"<br>185mm | D48 | 2 | 24 | 82 | 3000 | 2.00 |
| SYM99990 |  | 11.23"<br>285mm | 6.49"<br>165mm | D48 | 2 | 36 | 20 | 1400 | 1.00 |
| SYM99989 |  | 11.23"<br>285mm | 6.49"<br>165mm | D48 | 2 | 36 | 20 | 1400 | 1.00 |
| SYM36400 |  | 11.23"<br>285mm | 6.49"<br>165mm | D56 | 2 | 24 | 7 | 2650 | 0.25 |
| SYM42200 |  | 11.23"<br>285mm | 6.49"<br>165mm | D48 | 2 | 36 | 50 | 3000 | 2.00 |

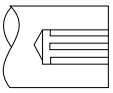
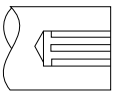
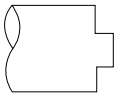
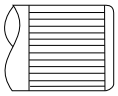
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Ohio

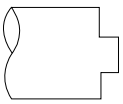
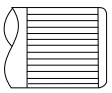
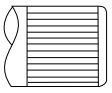
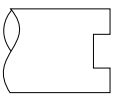
| | Outgoing Shaft | **Total Length** ▼ | Armature Housing Length | Frame | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM99995 |  | 11.23" 285mm | 6.49" 165mm | D48 | 2 | 72 80 | 47 | 3290 | 3.00 |
| SYM37800 | | 11.24" 285mm | 9.69" 246mm | D48 | Wire Leads | 36 | 25 | 700 | 1.00 |
| SYM42400 |  | 11.24" 285mm | 6.88" 175mm | D56 | 2 | 48 | 77 | 3000 | 4.00 |
| SYM99983 |  | 11.25" 286mm | 9.09" 231mm | D48 | 2 | 36 48 | 27 | 1510 2050 | 1.00 1.00 |
| SYM35200 |  | 11.25" 286mm | 9.09" 231mm | D48 | 2 | 24 | 35 | 1800 | 1.00 |
| SYM5260 |  | 11.28" 287mm | 7.28" 185mm | D48 | 2 | 36 48 | 21 19 | 1175 1676 | 1.00 1.00 |
| SYM35400 |  | 11.28" 287mm | 7.17" 182mm | D48 | 2 | 24 | 35 | 1800 | 1.00 |
| SYM99998 |  | 11.44" 291mm | 6.77" 172mm | D56 | 2 | 24 | 113 | 1750 | 3.00 |
| SYM99996 |  | 11.55" 293mm | 6.88" 175mm | D56 | 2 | 36 | 74 | 1750 | 3.00 |

# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Ohio

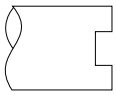
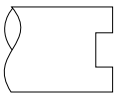
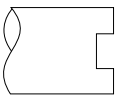
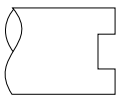
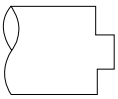
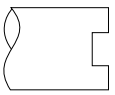
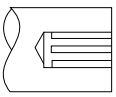
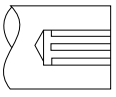
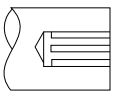
| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Frame | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM99994 |  | 11.55" 293mm | 6.88" 175mm | D56 | 2 | 24 | 113 | 1750 | 3.00 |
| SYM99997 |  | 11.55" 293mm | 6.88" 175mm | D56 | 2 | 36 | 74 | 1750 | 3.00 |
| SYM100159 |  | 11.75" 298mm | 8.85" 225mm | E48 | 2 | 36 | 43 | 2150 | 2.00 |
| SYM42700 |  | 12.26" 311mm | 8.46" 215mm | E56 | 2 | 48 | 108 | 2700 | 5.00 |

## TotalSource®

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100370 |  | 5.62" 143mm | 2.90" 74mm | 4.17" 106mm | 2 | 24 | 50 | | 2.00 |
| SYM100011 |  | 6.97" 177mm | 5.83" 148mm | 4.50" 114mm | 2 | 24 | 158 | 3550 | 3.00 |
| SYM100006 |  | 7.30" 185mm | 4.33" 110mm | 3.25" 83mm | 2 Wire Connectors | 36 48 | 10 | 2500 | 1.00 |
| SYM100322 |  | 9.68" 246mm | 4.00" 102mm | 4.17" 106mm | 2 | 48 | 17 | | 2.00 |

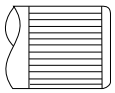
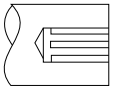
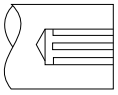
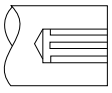
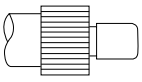
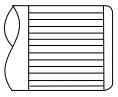
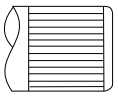
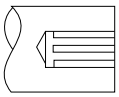
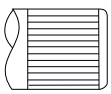
# **Electric Motors Motores Eléctricos** Moteurs Électriques

**TotalSource®**

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM99974 |  | 9.88"<br>251mm | 8.11"<br>206mm | 5.95"<br>151mm | 2 | 36<br>48 | 15 | 2000 | 1.00 |
| SYM99936 |  | 10.00"<br>254mm | 8.07"<br>205mm | 5.66"<br>144mm | 2 | 36<br>48 | 14<br>15 | 1500<br>2000 | 1.00<br>1.00 |
| SYM100118 |  | 10.18"<br>259mm | 8.50"<br>216mm | 5.47"<br>139mm | 2 | 36<br>48 | 24 | 1160<br>1550 | 1.00 |
| SYM100280 |  | 10.38"<br>264mm | 4.00"<br>102mm | 4.88"<br>124mm | 2 | 36<br>48 | 30 | 900 | 2.00 |
| SYM99912 |  | 10.41"<br>264mm | 8.46"<br>215mm | 5.65"<br>144mm | 2 | 48 | 24 | 1550 | 1.00 |
| SYM99922 |  | 10.47"<br>266mm | 7.00"<br>178mm | 5.66"<br>144mm | 2 | 36<br>48 | 25<br>25 | 2100<br>2902 | 1.00 |
| SYM99917 |  | 10.96"<br>278mm | 6.69"<br>170mm | 6.63"<br>168mm | 4 | 36<br>48 | 82<br>82 | 3000<br>4000 | 3.00<br>4.00 |
| SYM100081 |  | 11.00"<br>279mm | 6.18"<br>157mm | 6.63"<br>168mm | 2 | 36 | 121 | 3700 | 5.00 |
| SYM11300 |  | 11.17"<br>283mm | 6.29"<br>160mm | 6.65"<br>169mm | 4 | 36<br>48 | 82 | 4000 | 4.00 |

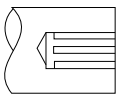
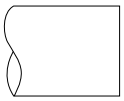
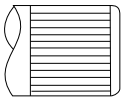
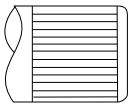
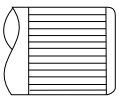
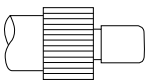
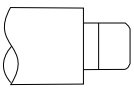
# **Electric Motors Motores Eléctricos** Moteurs Électriques

**TotalSource®**

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100289 |  | 11.38" 289mm | 8.25" 210mm | 4.63" 117mm | 3 | 36 | 133 | 1250 | 9.00 |
| SYM100189 |  | 11.51" 292mm | 6.14" 156mm | 6.62" 168mm | 2 | 24 | 125 | 2500 | 3.00 |
| SYM100010 |  | 11.51" 292mm | 6.14" 156mm | 6.62" 168mm | 2 | 24 | 125 | 2500 | 3.00 |
| SYM100018 |  | 12.00" 305mm | 7.00" 178mm | 7.50" 190mm | 4 | 36 | 95 | 1900 | 4.00 |
| SYM99919 |  | 12.52" 318mm | 6.14" 156mm | 6.62" 168mm | 4 | 24 | 121 | 2700 | 1.00 |
| SYM99934 |  | 13.04" 331mm | 6.69" 170mm | 6.63" 168mm | 2 | 36 | 186 | 2810 | 8.00 |
| SYM27200 |  | 13.76" 350mm | 9.64" 245mm | 6.63" 168mm | 4 | 36 | 76 | 3117 | 3.00 |
| SYM99933 |  | 13.93" 354mm | 9.33" 237mm | 6.63" 168mm | 2 | 36 48 | 285 | 1640 | 10.00 15.00 |
| SYM2500 |  | 14.00" 355mm | 7.00" 178mm | 6.63" 168mm | 4 | 36 | 88 | 2500 | 4.00 |

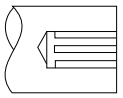
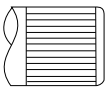
# **Electric Motors Motores Eléctricos** Moteurs Électriques

**TotalSource®**

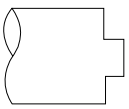
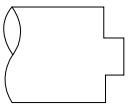
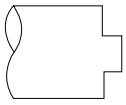
| | | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|---|
| SYM99920 | |  | 14.32"<br>364mm | 6.67"<br>169mm | 6.63"<br>168mm | 2 | 36<br>48 | 285<br>285 | 1640<br>2350 | 11.00<br>15.00 |
| SYM99946 | |  | 14.33"<br>364mm | 6.14"<br>156mm | 6.34"<br>161mm | 4 | 36 | 147 | 3190 | 5.00 |
| SYM100512 | |  | 14.40"<br>366mm | 6.45"<br>164mm | 7.48"<br>190mm | 3 | 48 | 91 | 3460 | 6.00 |
| SYM99921 | | | 14.85"<br>377mm | 6.65"<br>169mm | 6.45"<br>164mm | 2 | 36<br>48 | 200<br>220 | 2325<br>3100 | 8.00<br>10.00 |
| SYM99925 | |  | 14.49"<br>368mm | 6.73"<br>171mm | 6.64"<br>169mm | 2 | 24 | 91 | 3400 | 2.00 |
| SYM100284 | |  | 15.82"<br>402mm | 5.00"<br>127mm | 6.69"<br>170mm | 3 | 24 | 60 | 1550 | 2.00 |
| SYM100281 | |  | 16.63"<br>422mm | 5.63"<br>143mm | 7.25"<br>184mm | 4 | 24 | 250 | 1400 | 3.00 |
| SYM100016 | |  | 17.00"<br>432mm | 6.00"<br>152mm | 6.00"<br>152mm | 3 | 24 | 257 | 900 | 4.00 |
| SYM100282 | | | 17.50"<br>445mm | 12.25"<br>311mm | 7.25"<br>184mm | 2 | 36<br>48 | 383 | 2400 | 25.00 |

# **Electric Motors Motores Eléctricos** Moteurs Électriques

## TotalSource®

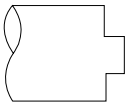
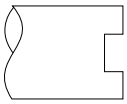
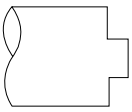
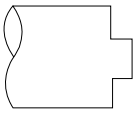
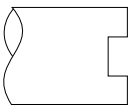
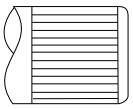
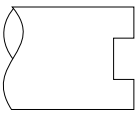
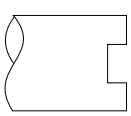
| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100014 | | 17.80" 452mm | 8.54" 217mm | 7.50" 190mm | 2 | 36 48 | 155 | 3200 | 8.00 |
| SYM100362 | | 18.00" 457mm | 8.66" 220mm | 7.67" 195mm | 2 | 36 48 | 260 | | |
| SYM1400 |  | 18.10" 460mm | 8.26" 210mm | 7.12" 181mm | 4 | 36 | 138 | 1900 | 5.00 |
| SYM100009 | Special | 19.75" 502mm | 8.38" 213mm | 8.00" 203mm | 4 | 36 48 | 138 | 1900 | 5.00 |
| SYM100279 |  | 20.63" 524mm | 13.38" 340mm | 10.88" 276mm | 3 | 36 48 | 446 | 961 | 25.00 |

## Thoroughbred

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100026 |  | 6.00" 152mm | 4.13" 105mm | 3.73" 95mm | 2 Cable Set 24.00" | 24 | 65 | 3000 | 2.00 |
| SYM100057 |  | 6.00" 152mm | 4.13" 105mm | 3.73" 95mm | 2 Cable Set 46.25" | 24 | 65 | 3000 | 2.00 |
| SYM100149 |  | 6.00" 152mm | 4.13" 105mm | 3.73" 95mm | 2 Cables | 24 | 65 | 3000 | 2.00 |

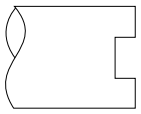
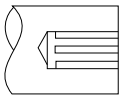
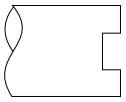
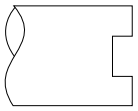
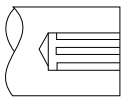
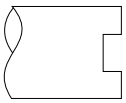
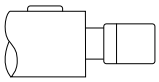
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Thoroughbred

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM51000 |  | 6.10"<br>155m | 3.43"<br>87mm | 4.15"<br>105mm | 2 | 24 | 75 | 3500 | 1.50 |
| SYM100027 |  | 6.85"<br>174mm | 5.90"<br>150mm | 4.50"<br>114mm | 2 | 24 | 155 | 2800 | 3.00 |
| SYM100005 |  | 8.11"<br>206mm | 4.00"<br>102mm | 4.00"<br>102mm | 2 | 24 | 20 | 1700 | 1.00 |
| SYM100012 |  | 8.11"<br>206mm | 4.00"<br>102mm | 4.00"<br>102mm | 2 | 24 | 20 | 1700 | 1.00 |
| SYM13400 |  | 8.50"<br>216mm | 5.25"<br>133mm | 5.00"<br>127mm | 2 | 12 | 210 | 2400 | 3.00 |
| SYM100007 |  | 8.50"<br>216mm | 4.00"<br>102mm | 3.25"<br>83mm | 4 Wire Connections | 36<br>48 | 10 | 2000 | 1.00 |
| SYM100004 |  | 9.84"<br>250mm | 8.46"<br>215mm | 5.00"<br>127mm | 2 | 36<br>48 | 15 | 1500<br>2000 | 1.00 |
| SYM99930 |  | 10.18"<br>259mm | 8.11"<br>206mm | 5.66"<br>144mm | 2 | 72 | 11 | 1750 | 10.00 |

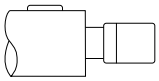
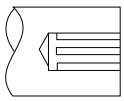
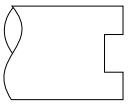
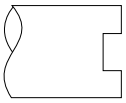
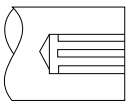
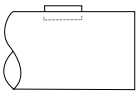
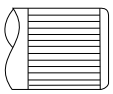
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Thoroughbred

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM99938 |  | 10.18"<br>259mm | 8.17"<br>208mm | 6.63"<br>168mm | 2 | 72 | 11 | 1750 | 10.00 |
| SYM5230 |  | 10.16"<br>258mm | 5.55"<br>141mm | 5.50"<br>140mm | 4 | 48 | 110 | 1920 | 4.00 |
| SYM99913 |  | 10.47"<br>266mm | 7.75"<br>197mm | 5.70"<br>145mm | 2 | 36<br>48 | 25<br>25 | 2100<br>2902 | 1.00<br>1.00 |
| SYM99935 Special | | 10.57"<br>268mm | 8.66"<br>220mm | 5.70"<br>145mm | 2 | 48 | 14 | 1125 | 1.00 |
| SYM99915 |  | 10.57"<br>268mm | 8.66"<br>220mm | 5.70"<br>145mm | 2 | 48 | 24 | 1900 | 1.00 |
| SYM99914 |  | 10.59"<br>269mm | 7.68"<br>195mm | 5.57"<br>141mm | 2 | 36<br>48 | 25<br>25 | 2100<br>2902 | 1.00<br>1.00 |
| SYM99923 |  | 10.59"<br>269mm | 9.60"<br>244mm | 5.57"<br>141mm | 2 | 36<br>48 | 25<br>25 | 2100<br>2902 | 1.00<br>1.00 |
| SYM2400 | | 10.70"<br>272mm | 5.90"<br>150mm | 4.50"<br>114mm | 4 | 24 | 34 | 3250 | 1.00 |
| SYM100003 |  | 10.98"<br>279mm | 5.04"<br>128mm | 5.00"<br>127mm | 4 | 24 | 33 | 3300 | 1.00 |

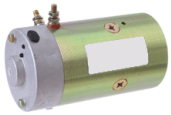
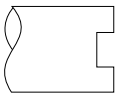
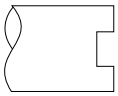
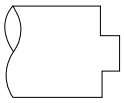
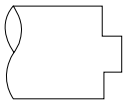
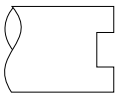
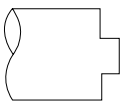
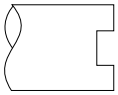
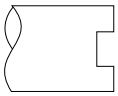
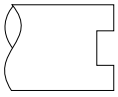
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Thoroughbred

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100002 |  | 11.00" 279mm | 5.90" 150mm | 4.50" 114mm | 4 | 24 | 34 | 3250 | 1.00 |
| SYM100209 |  | 11.16" 283mm | 6.55" 166mm | 5.50" 140mm | 4 | 24 | 300 | 1800 | 9.00 |
| SYM100034 | Special | 11.42" 290mm | 7.00" 178mm | 5.00" 127mm | 2 | 24 | 280 | 2700 | 6.70 |
| SYM36600 |  | 11.44" 291mm | 7.00" 178mm | 5.30" 135mm | 2 | 24 | 280 | 2700 2000 | 9.00 |
| SYM99991 |  | 11.46" 291mm | 6.88" 175mm | 5.30" 135mm | 2 | 24 | 280 | 2700 2000 | 9.00 |
| SYM100099 | Special | 11.50" 292mm | 6.75" 171mm | 5.00" 127mm | 2 | 24 | 210 | 2800 | 4.00 |
| SYM1500 |  | 12.53" 318mm | 6.18" 157mm | 6.70" 170mm | 2 | 36 | 175 | 2800 | 9.00 |
| SYM1100 |  | 13.56" 344mm | 6.18" 157mm | 6.70" 170mm | 4 | 24 | 120 | 2400 | 2.00 |
| SYM1200 |  | 16.06" 408mm | 7.02" 178mm | 6.63" 168mm | 4 | 36 | 75 | 2800 | 3.00 |

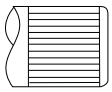
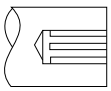
# **Electric Motors Motores Eléctricos** Moteurs Électriques

## Western Motors

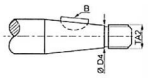
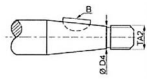
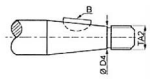
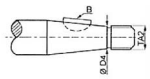
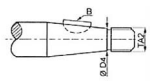
| | Outgoing Shaft | **Total Length** ▼ | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100174  |  | 6.00" 152mm | 4.50" 114mm | 3.00" 76mm | 2 | 24 | 100 | 2800 | 1.00 |
| SYM100124 |  | 7.00" 178mm | 6.00" 152mm | 4.50" 114mm | 2 | 12 | 210 | 2400 | 2.00 |
| SYM100111 |  | 7.00" 178mm | 4.80" 122mm | 4.50" 114mm | 2 | 24 | 155 | 2800 | 3.00 |
| SYM100199 |  | 7.00" 178mm | 4.80" 122mm | 4.50" 114mm | 2 | 24 | 155 | 2800 | 3.00 |
| SYM13600 |  | 7.50" 190mm | 6.00" 152mm | 4.50" 114mm | 1 | 12 | 210 | 2400 | 2.00 |
| SYM20300 |  | 8.65" 220mm | 5.50" 140mm | 5.00" 127mm | 2 | 12 | 250 | 3500 | 3.00 |
| SYM100029 |  | 10.00" 254mm | 8.00" 203mm | 5.00" 127mm | 2 | 24 | 140 | 3700 | 3.00 |
| SYM100030 |  | 10.50" 266mm | 7.00" 178mm | 5.00" 127mm | 2 | 12 | 320 | 2400 | 3.00 |
| SYM1600 |  | 11.10" 282mm | 6.97" 177mm | 5.00" 127mm | 2 | 24 | 140 | 3150 | 4.00 |

# **Electric Motors Motores Eléctricos** Moteurs Électriques

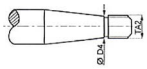
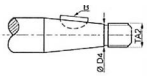
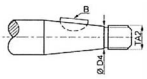
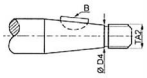
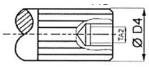
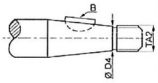
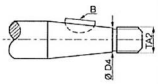
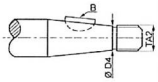
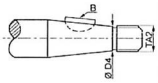
## Western Motors

| | Outgoing Shaft | **Total Length** ▼ | Armature Housing Length | Diameter | Terminal Clamps | Volt | Amp | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|
| SYM100031 |  | 11.16" 283mm | 6.87" 174mm | 5.00" 127mm | 2 | 24 | 210 | 3000 | 4.00 |
| SYM10700 |  | 11.92" 303mm | 7.04" 179mm | 6.63" 168mm | 2 | 36 | 200 | 1750 | 7.00 |
| SYM99916 | | 12.25" 311mm | 9.50" 241mm | 6.50" 165mm | 4 | 24 | 55 | 2000 | 1.00 |

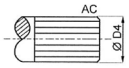
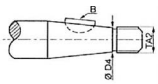
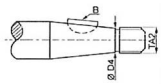
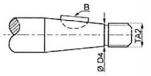
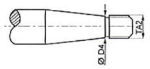
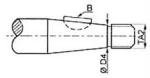
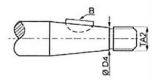
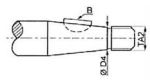
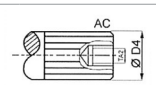
# **Hydraulic Motors Motores Hidráulica** Moteurs Hydraulique

| | Type of Shaft | **Total Length** ▼ | Diameter | Number of Connections | Number of Mounting Holes | Thread Type | Displacement CC | Seal Kits |
|---|---|---|---|---|---|---|---|---|
| SY28-103080 |  | 6.57" 167mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 200 | SY28-102982 |
| SY28-102972 |  | 6.57" 167mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 260 | SY28-102982 |
| SY28-102952 |  | 7.83" 199mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 160 | SY28-118443 |
| SY28-102946 |  | 8.07" 205mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 230 | SY28-118443 |
| SY28-102930 |  | 8.30" 211mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 230 | SY28-118443 |

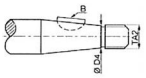
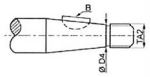
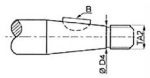
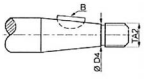
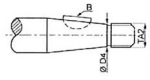
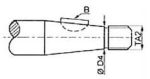
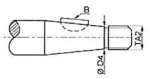
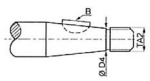
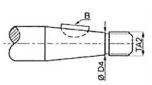
# Hydraulic Motors Motores Hidráulica Moteurs Hydraulique

| | Type of Shaft | Total Length ▼ | Diameter | Number of Connections | Number of Mounting Holes | Thread Type | Displacement CC | Seal Kits |
|---|---|---|---|---|---|---|---|---|
| SY1242018 |  | 8.62" 219mm | 3.93" 100mm | 2 | 4 | 7/8" - 14 | 155 | SY28-103154 |
| SY28-102978 |  | 8.93" 227mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 160 | SY109098 |
| SY77317 |  | 9.05" 230mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 200 | SY109098 |
| SY1234165 |  | 9.25" 235mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 260 | SY109098 |
| SY28-117409 |  | 9.25" 235mm | 5.00" 127mm | 3 | 4 | 7/8" - 14 | 300 | SY109098 |
| SY681010 |  | 9.40" 239mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 300 | SY109098 |
| SY1242015 |  | 9.40" 239mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 120 | SY109098 |
| SY28-103082 |  | 9.40" 239mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 350 | SY109098 |
| SY28-102934 |  | 9.40" 239mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 230 | SY109098 |

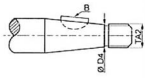
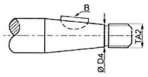
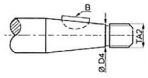
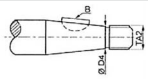
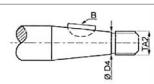
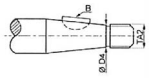
# Hydraulic Motors Motores Hidráulica Moteurs Hydraulique

| | Type of Shaft | Total Length ▼ | Diameter | Number of Connections | Number of Mounting Holes | Thread Type | Displacement CC | Seal Kits |
|---|---|---|---|---|---|---|---|---|
| SY28-103092 |  | 9.40" 239mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 300 | SY109098 |
| SY28-103063 |  | 9.60" 244mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 230 | SY109097 |
| SY28-103045 |  | 9.60" 244mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 470 | SY109097 |
| SY77319 |  | 9.84" 250mm | 3.25" 83mm | 2 | 4 | 7/8" - 14 | 110 | SY683249 |
| SY1234222 |  | 10.43" 265mm | 4.92" 125mm | 2 | 4 | 7/8" - 14 | 300 | SY109098 |
| SY28-117435 |  | 10.60" 269mm | 3.27" 83mm | 2 | 4 | 7/8" - 14 | 300 | SY28-103099 |
| SY77931 |  | 10.98" 279mm | 5.00" 127mm | 2 | 4 | 9/16" - 18 | 230 | SY1242019 |
| SY77316 |  | 11.22" 285mm | 5.00" 127mm | 2 | 4 | 9/16" - 18 | 300 | SY1242019 |
| SY28-102945 |  | 11.57" 294mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 750 | SY109098 |

# Hydraulic Motors Motores Hidráulica Moteurs Hydraulique

| | Type of Shaft | Total Length ▼ | Diameter | Number of Connections | Number of Mounting Holes | Thread Type | Displacement CC | Seal Kits |
|---|---|---|---|---|---|---|---|---|
| SY28-102942 |  | 11.69" 297mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 470 | SY109097 |
| SY28-117363 |  | 11.69" 297mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 470 | SY109097 |
| SY1234257 |  | 11.73" 298mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 350 | SY109097 |
| SY28-117320 |  | 11.85" 301mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 540 | SY109097 |
| SY1234183 |  | 11.92" 303mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 540 | SY109097 |
| SY1242017 |  | 11.96" 304mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 540 | SY109097 |
| SY28-102958 |  | 12.55" 319mm | 5.00" 127mm | 2 | 4 | 7/8" - 14 | 750 | SY109097 |
| SY1242016 |  | 12.91" 328mm | 5.00" 127mm | 4 | 4 | 3/14" - 16 | 470 | SY109359 |
| SY1234184 |  | 13.38" 340mm | 5.00" 127mm | 4 | 4 | 1 1/16" - 12 | 555 | SY109359 |

# Hydraulic Motors Motores Hidráulica Moteurs Hydraulique

| | Type of Shaft | Total Length ▼ | Diameter | Number of Connections | Number of Mounting Holes | Thread Type | Displacement CC | Seal Kits |
|---|---|---|---|---|---|---|---|---|
| SY28-117325 |  | 13.89" 353mm | 5.00" 127mm | 2 | 4 | 1 1/16" - 12 | 750 | SY109359 |
| SY28-102988 |  | 14.63" 372mm | 5.00" 125mm | 2 | 4 | 1 1/16" - 12 | 750 | SY109359 |
| SY28-117323 |  | 14.96" 380mm | 5.00" 127mm | 3 | 4 | 1 1/16" - 12 | 1050 | SY28-103093 |
| SY28-103062 |  | 15.00" 381mm | 5.00" 127mm | 2 | 4 | 1 1/16" - 12 | 930 | SY109359 |
| SY28-103096 |  | 15.00" 381mm | 5.00" 127mm | 3 | 4 | 1 1/16" - 12 | 1001 | SY28-103093 |
| SY28-117324 | Special | 15.88" 403mm | 5.00" 127mm | 2 | 4 | 1 1/16" - 12 | 1050 | SY28-103093 |
| SY28-103064 |  | 22.12" 562mm | 5.00" 127mm | 4 | 4 | 1 1/16" - 12 | 750 | SY109359 |

## AC

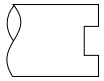
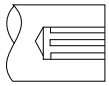
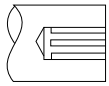
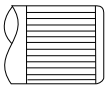
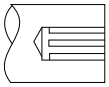
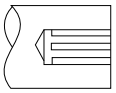
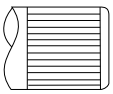
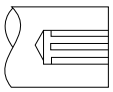
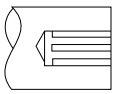
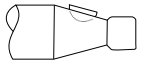
| | Fan Diameter ▼ | | Fan Stages | Design | Discharge Design | Volt | Bearing |
|---|---|---|---|---|---|---|---|
| SYVM110 | 4.30" | 109mm | 2 Stage | Through-Flow | | 120 | Dual Ball |
| SYVM110-REPL | 4.30" | 109mm | 2 Stage | Through-Flow | | 120 | Dual Ball |
| SYVM109 | 4.80" | 122mm | 2 Stage | By-Pass | Peripheral | 120 | Ball/Sleeve |
| SYVM104 | 5.70" | 145mm | 1 Stage | By-Pass | Peripheral | 120 | Ball/Sleeve |
| SYVM104-REPL | 5.70" | 145mm | 1 Stage | By-Pass | Peripheral | 120 | Ball/Sleeve |
| SYVM105 | 5.70" | 145mm | 2 Stage | By-Pass | Peripheral | 120 | Ball/Sleeve |
| SYVM105-REPL | 5.70" | 145mm | 2 Stage | By-Pass | Peripheral | 120 | Ball/Sleeve |
| SYVM108 | 5.70" | 145mm | 3 Stage | By-Pass | Peripheral | 120 | Dual Ball |
| SYVM108-REPL | 5.70" | 145mm | 3 Stage | By-Pass | Peripheral | 120 | Dual Ball |
| SYVM111 | 5.70" | 145mm | 1 Stage | Through-Flow | | 120 | Ball/Sleeve |
| SYVM111-REPL | 5.70" | 145mm | 1 Stage | Through-Flow | | 120 | Ball/Sleeve |
| SYVM112 | 5.70" | 145mm | 2 Stage | Through-Flow | | 120 | Ball/Sleeve |
| SYVM112-REPL | 5.70" | 145mm | 2 Stage | Through-Flow | | 120 | Ball/Sleeve |
| SYVM113 | 5.70" | 145mm | 2 Stage | Through-Flow | | 120 | Dual Ball |
| SYVM113-REPL | 5.70" | 145mm | 2 Stage | Through-Flow | | 120 | Dual Ball |
| SYVM121 | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 120 | Dual Ball |
| SYVM121-REPL | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 120 | Dual Ball |
| SYVM122 | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 120 | Dual Ball |
| SYVM122-REPL | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 120 | Dual Ball |
| SYVM130 | 5.70" | 145mm | 2 Stage | By-Pass | Tangential | 120 | Dual Ball |
| SYVM130-REPL | 5.70" | 145mm | 2 Stage | By-Pass | Tangential | 120 | Dual Ball |
| SYVM101 | 5.70" | 145mm | 2 Stage | By-Pass | Peripheral | 220 | Ball/Sleeve |
| SYVM101-REPL | 5.70" | 145mm | 2 Stage | By-Pass | Peripheral | 220 | Ball/Sleeve |
| SYVM123 | 7.20" | 183mm | 3 Stage | By-Pass | Peripheral | 120 | Dual Ball |
| SYVM124 | 7.20" | 183mm | 3 Stage | By-Pass | Peripheral | 120 | Dual Ball |
| SYVM127 | 7.20" | 183mm | 3 Stage | By-Pass | Tangential | 120 | Dual Ball |
| SYVM128 | 7.20" | 183mm | 3 Stage | By-Pass | Tangential | 120 | Dual Ball |
| SYVM129 | 7.20" | 183mm | 3 Stage | By-Pass | Tangential | 120 | Dual Ball |
| SYVM133 | 7.20" | 183mm | 3 Stage | By-Pass | Peripheral | 120 | Dual Ball |
| SYVM125 | 7.50" | 191mm | 3 Stage | By-Pass | Peripheral | 120 | Dual Ball |

## DC

| | Fan Diameter ▼ | | Fan Stages | Design | Discharge Design | Volt | Bearing |
|---|---|---|---|---|---|---|---|
| SYVM102 | 5.70" | 145mm | 2 Stage | By-Pass | Peripheral | 24 | Dual Ball |
| SYVM102-REPL | 5.70" | 145mm | 2 Stage | By-Pass | Peripheral | 24 | Dual Ball |
| SYVM107 | 5.70" | 145mm | 3 Stage | By-Pass | Peripheral | 24 | Dual Ball |
| SYVM107-REPL | 5.70" | 145mm | 3 Stage | By-Pass | Peripheral | 24 | Dual Ball |
| SYVM114 | 5.70" | 145mm | 2 Stage | By-Pass | Tangential | 24 | Dual Ball |
| SYVM114-REPL | 5.70" | 145mm | 2 Stage | By-Pass | Tangential | 24 | Dual Ball |
| SYVM120 | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 24 | Dual Ball |
| SYVM120-REPL | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 24 | Dual Ball |
| SYVM131 | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 24 | Dual Ball |
| SYVM131-REPL | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 24 | Dual Ball |
| SYVM132 | 5.70" | 145mm | 3 Stage | By-Pass | Peripheral | 24 | Dual Ball |
| SYVM132-REPL | 5.70" | 145mm | 3 Stage | By-Pass | Peripheral | 24 | Dual Ball |
| SYVM103 | 5.70" | 145mm | 2 Stage | By-Pass | Peripheral | 36 | Dual Ball |
| SYVM103-REPL | 5.70" | 145mm | 2 Stage | By-Pass | Peripheral | 36 | Dual Ball |
| SYVM106 | 5.70" | 145mm | 3 Stage | By-Pass | Peripheral | 36 | Dual Ball |
| SYVM106-REPL | 5.70" | 145mm | 3 Stage | By-Pass | Peripheral | 36 | Dual Ball |
| SYVM115 | 5.70" | 145mm | 2 Stage | By-Pass | Tangential | 36 | Dual Ball |
| SYVM115-REPL | 5.70" | 145mm | 2 Stage | By-Pass | Tangential | 36 | Dual Ball |
| SYVM116 | 5.70" | 145mm | 2 Stage | By-Pass | Tangential | 36 | Dual Ball |
| SYVM116-REPL | 5.70" | 145mm | 2 Stage | By-Pass | Tangential | 36 | Dual Ball |
| SYVM117 | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 36 | Dual Ball |
| SYVM117-REPL | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 36 | Dual Ball |
| SYVM118 | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 36 | Dual Ball |
| SYVM118-REPL | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 36 | Dual Ball |
| SYVM119 | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 36 | Dual Ball |
| SYVM119-REPL | 5.70" | 145mm | 3 Stage | By-Pass | Tangential | 36 | Dual Ball |
| SYVM126 | 7.50" | 191mm | 3 Stage | By-Pass | Peripheral | 42 | Dual Ball |

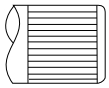
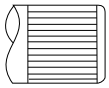
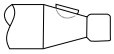
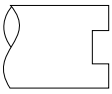
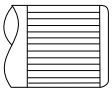
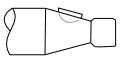
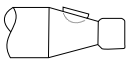
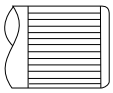
# **Remanufactured Motors Motores Remanufacturados** Moteurs Remanufacturés

## AC

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Type | Amp | kW | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SYM100322-R |  | 9.68" 246mm | 4.02" 102mm | 4.17" 106mm | 2 | 48 | AC | | 0.80 | | 1.10 |
| SYM100504-R |  | 9.84" 250mm | 5.24" 133mm | 5.51" 140mm | 2 | 36 48 | AC | 25 | 0.95 | | |
| SYM100381-R |  | 11.22" 285mm | 4.53" 115mm | 7.08" 180mm | 3 | 24 | AC | 383 | 9.20 | | 12.30 |
| SYM100421-R |  | 11.45" 291mm | 3.54" 90mm | 7.87" 200mm | 3 | 48 | AC | | 5.00 | | 6.70 |
| SYM100296-R |  | 12.16" 309mm | 6.69" 170mm | 6.69" 170mm | 3 | 24 | AC | 438 | 10.50 | | 14.10 |
| SYM100303-R |  | 12.16" 309mm | 6.69" 170mm | 6.69" 170mm | 3 | 16 | AC | 656 | 10.50 | | 14.10 |
| SYM100393-R |  | 13.03" 331mm | 5.83" 148mm | 7.87" 200mm | 3 | 29 | AC | 179 | 5.20 | 2140 | 7.00 |
| SYM100295-R |  | 13.26" 337mm | 7.00" 178mm | 7.87" 200mm | 3 | 24 | AC | 658 | 15.80 | | 21.20 |
| SYM100311-R |  | 13.26" 337mm | 6.69" 170mm | 7.87" 200mm | 3 | 24 | AC | 658 | 15.80 | | 21.20 |
| SYM100314-R |  | 15.24" 387mm | 3.15" 80mm | 6.69" 170mm | 3 | 16 | AC | 206 | 3.30 | | 4.40 |

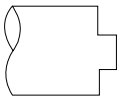
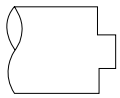
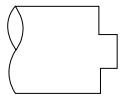
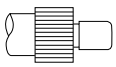
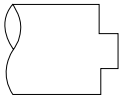
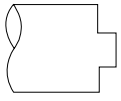
# **Remanufactured Motors Motores Remanufacturados** Moteurs Remanufacturés

## AC

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Type | Amp | kW | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SYM100450-R |  | 15.43" 392mm | 5.11" 130mm | 6.69" 170mm | 3 | 15 | AC | 267 | 4.00 | | 5.00 |
| SYM100284-R |  | 15.82" 402mm | 5.12" 130mm | 6.92" 176mm | 3 | 15 | AC | 367 | 4.00 | | 5.40 |
| SYM100387-R | | 16.53" 420mm | 12.28" 312mm | 7.60" 193mm | 3 | 55 | AC | 230 | 14.00 | 2400 | 18.80 |
| SYM100298-R |  | 16.77" 426mm | 5.31" 135mm | 6.69" 170mm | 3 | 24 | AC | 196 | 4.70 | | 6.30 |
| SYM100280-R |  | 17.60" 447mm | 12.24" 311mm | 7.24" 184mm | 2 | 36 48 | AC | 383 | | 2400 | 25.00 |
| SYM100474-R |  | 17.91" 455mm | 13.38" 340mm | 10.96" 278mm | 3 | 61 | AC | 255 | 18.00 | 961 | 24.00 |
| SYM100300-R |  | 18.49" 470mm | 8.05" 204mm | 6.69" 170mm | 3 | 24 | AC | 304 | 7.30 | | 9.80 |
| SYM100302-R |  | 18.89" 480mm | 7.95" 202mm | 6.69" 170mm | 3 | 24 | AC | 217 | 5.20 | | 7.00 |
| SYM100279-R |  | 20.63" 524mm | 13.38" 340mm | 10.88" 276mm | 3 | 36 48 | AC | 446 | 18.40 | 961 | 25.00 |

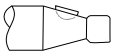
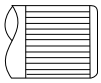
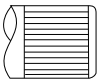
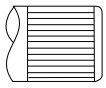
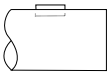
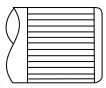
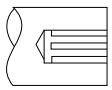
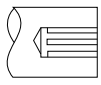
# **Remanufactured Motors Motores Remanufacturados** Moteurs Remanufacturés

## DC

| | Outgoing Shaft | **Total Length** ▼ | Armature Housing Length | Diameter | Terminal Clamps | Volt | Type | Amp | kW | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SYM100374-R |  | 8.54" 217mm | 3.54" 90mm | 4.41" 112mm | 2 | 48 | DC | 19 | 0.90 | 2400 | 1.20 |
| SYM100062-R | Special | 9.75" 248mm | 5.75" 146mm | 6.70" 170mm | 2 | 36 48 | DC | 42 | | 1250 | 1.00 |
| SYM5250-R | | 10.26" 261mm | 5.53" 140mm | 5.50" 140mm | 4 | 24 | DC | 137 | | 2500 | 3.00 |
| SYM100452-R | | 10.41" 264mm | 8.46" 215mm | 5.65" 144mm | 2 | 48 | DC | 24 | | 1550 | 1.00 |
| SYM100383-R |  | 11.45" 291mm | 6.10" 155mm | 8.70" 221mm | 2 | 80 | DC | 200 | 13.50 | 2550 | 18.10 |
| SYM100389-R |  | 11.69" 297mm | 5.90" 150mm | 8.70" 221mm | 2 | 80 | DC | 200 | 13.50 | 2550 | 18.10 |
| SYM100022-R |  | 12.13" 308mm | 5.70" 145mm | 7.28" 185mm | 4 | 24 | DC | 186 | 4.50 | | 6.00 |
| SYN100390-R |  | 12.28" 312mm | 7.48" 190mm | 7.33" 186mm | 2 | 48 | DC | 230 | 9.00 | 2800 | 12.10 |
| SYM100385-R |  | 12.36" 314mm | 7.60" 193mm | 7.33" 186mm | 2 | 48 | DC | 230 | 9.00 | 2800 | 12.10 |

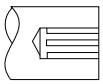
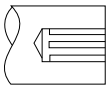
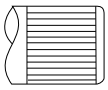
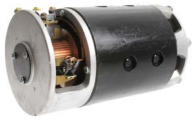
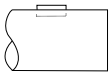
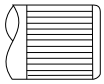
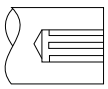
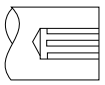
# **Remanufactured Motors Motores Remanufacturados** Moteurs Remanufacturés

## DC

| | | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Type | Amp | kW | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SYM100392-R | |  | 12.52"<br>318mm | 5.83"<br>148mm | 8.26"<br>210mm | 4 | 36 | DC | 83 | 3.00 | 1730 | 4.00 |
| SYM100384-R | | Special | 12.67"<br>322mm | 7.40"<br>188mm | 7.40"<br>188mm | 4 | 48 | DC | 80 | 3.20 | 2050 | 4.30 |
| SYM100473-R | |  | 13.00"<br>330mm | 7.00"<br>178mm | 8.07"<br>205mm | 4 | 36<br>48 | DC | 167 | 6.00 | | 8.00 |
| SYM100293-R | |  | 13.00"<br>330mm | 8.85"<br>225mm | 8.26"<br>210mm | 4 | 36<br>48 | DC | | 5.80 | | 7.80 |
| SYM100290-R | |  | 13.03"<br>331mm | 8.58"<br>218mm | 8.27"<br>210mm | 4 | 36 | DC | 119 | 4.30 | 1335 | 5.80 |
| SYM1100-R | |  | 13.56"<br>344mm | 6.18"<br>157mm | 6.70"<br>170mm | 4 | 24 | DC | 120 | | 2400 | 2.00 |
| SYM27200-R | |  | 13.76"<br>350mm | 9.64"<br>245mm | 6.63"<br>168mm | 4 | 36 | DC | 76 | | 3113 | 3.00 |
| SYM99933-R | |  | 13.93"<br>354mm | 9.33"<br>237mm | 6.63"<br>168mm | 2 | 36<br>48 | DC | 296 | 10.70 | 1640 | 10.00<br>15.00 |
| SYM100404-R | |  | 14.17"<br>360mm | 6.92"<br>176mm | 7.08"<br>180mm | 2 | 36<br>48 | DC | 253 | 9.10 | | 12.20 |

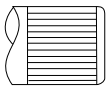
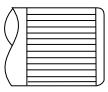
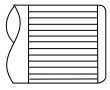
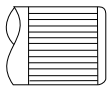
# **Remanufactured Motors Motores Remanufacturados** Moteurs Remanufacturés

## DC

| | Outgoing Shaft | **Total Length** ▼ | Armature Housing Length | Diameter | Terminal Clamps | Volt | Type | Amp | kW | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SYM99921-R | | 14.30"<br>363mm | 6.65"<br>169mm | 6.65"<br>169mm | 2 | 48 | DC | 200 | 7.00 | 3100 | 9.00 |
| SYM99920-R |  | 14.32"<br>364mm | 6.67"<br>169mm | 6.63"<br>168mm | 2 | 36<br>48 | DC | 285 | 10.80 | 1640<br>2350 | 11.00<br>15.00 |
| SYM100367-R |  | 14.68"<br>373mm | 8.66"<br>220mm | 7.67"<br>195mm | 2 | 24 | DC | 229 | 5.50 | | 7.40 |
| SYM100287-R |  | 14.76"<br>375mm | 8.86"<br>225mm | 8.26"<br>210mm | 4 | 36<br>48 | DC | | 58.00 | | 77.00 |
| SYM51100-R  |  | 15.55"<br>395mm | 7.05"<br>179mm | 6.70"<br>170mm | 4 | 36 | DC | 120 | | 1650 | 5.00 |
| SYM1200-R |  | 16.06"<br>408mm | 6.97"<br>177mm | 6.61"<br>168mm | 4 | 36<br>48 | DC | 75 | 2.90 | 2800 | 4.00 |
| SYM100382-R |  | 16.06"<br>408mm | 10.04"<br>255mm | 7.67"<br>195mm | 2 | 36 | DC | 283 | 10.20 | | 13.70 |
| SYM5370-R |  | 16.24"<br>412mm | 8.05"<br>204mm | 8.00"<br>203mm | 2 | 36 | DC | 475 | | 1500 | 16.00 |
| SYM100406-R | | 16.96"<br>431mm | 7.67"<br>195mm | 7.50"<br>190mm | 2 | 36<br>48 | DC | 280 | 7.40 | 2121 | 7.00 |

# **Remanufactured Motors Motores Remanufacturados** Moteurs Remanufacturés

## DC

| | Outgoing Shaft | **Total Length ▼** | Armature Housing Length | Diameter | Terminal Clamps | Volt | Type | Amp | kW | RPM | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SYM100282-R | | 17.08" 434mm | 12.20" 310mm | 7.40" 188mm | 3 | 36 48 | DC | 383 | 14.00 | 2400 | 19.00 |
| SYM100475-R | | 17.24" 438mm | 9.05" 230mm | 7.00" 178mm | 2 | 80 | DC | 125 | 10.00 | 3245 | 13.00 |
| SYM100014-R | | 17.80" 452mm | 8.54" 216mm | 7.50" 190mm | 2 | 36 48 | DC | 155 | | 3200 | 8.00 |
| SYM100362-R | | 17.99" 457mm | 8.66" 220mm | 7.67" 195mm | 2 | 36 48 | DC | 260 | 12.50 | | 16.80 |
| SYM100278-R |  | 18.31" 465mm | 7.60" 193mm | 8.26" 210mm | 4 | 36 | DC | 164 | 4.50 | 1610 | 6.00 |
| SYM100288-R |  | 20.16" 512mm | 8.66" 220mm | 7.67" 195mm | 4 | 24 | DC | 163 | 3.90 | 1650 | 5.20 |
| SYM100291-R |  | 20.16" 512mm | 4.25" 108mm | 11.30" 287mm | 4 | 36 | DC | | | | |
| SYM100025-R |  | 30.00" 762mm | 14.69" 373mm | 13.11" 333mm | 5 | 36 48 | DC | 467 | 18.00 | 925 | 24.00 |

# Motor Maintenance Mantenimiento del Motor Entretien de moteur

## Commutator Stones

| | Quantity | Thickness | | Total Width ▼ | | Total Length | | Material | Grade |
|---|---|---|---|---|---|---|---|---|---|
| SY59303 | 1 | 0.25" | 6mm | 0.25" | 6mm | 4.37" | 111mm | ALW | Medium |
| SY1232302 | 6 | 0.25" | 6mm | 0.31" | 8mm | 8.00" | 203mm | Resin 120 | Fine |
| SY1242069 | 1 | 0.25" | 6mm | 0.31" | 8mm | 8.00" | 203mm | ALW 150-IV | Medium - Medium Hardness |
| SY59306 | 1 | 0.37" | 9mm | 0.37" | 9mm | 6.00" | 152mm | Resin 220 | Extra Fine |
| SY59300 | 6 | 0.31" | 8mm | 0.37" | 9mm | 1.00" | 25mm | Resin 120 | Fine |
| SY1236178 | 1 | 0.25" | 6mm | 0.37" | 9mm | 6.00" | 152mm | Resin | Fine |
| SY1236180 | 6 | 0.31" | 8mm | 0.37" | 9mm | 1.00" | 25mm | Resin 90 | Medium |
| SY1234385 | 1 | 0.31" | 8mm | 0.37" | 9mm | 6.00" | 152mm | Resin 120 | Medium - Soft Hardness |
| SY59305 | 1 | 0.37" | 9mm | 0.62" | 16mm | 6.00" | 152mm | Resin 120 | Fine |
| SY59302 | 1 | 0.37" | 9mm | 0.62" | 16mm | 6.00" | 152mm | Resin 46 | Coarse |
| SY1236179 | 1 | 0.37" | 9mm | 0.62" | 16mm | 6.00" | 152mm | Resin | Extra Coarse |
| SY59304 | 1 | 0.25" | 6mm | 0.75" | 19mm | 4.37" | 111mm | ALW | Medium |
| SY1236182 | 1 | 0.50" | 13mm | 1.00" | 25mm | 4.37" | 111mm | ALW 150-FV | Medium - Soft Hardness |

## Seaters

| | Quantity | Thickness | | Total Width ▼ | | Total Length | | Material | Grade |
|---|---|---|---|---|---|---|---|---|---|
| SY39346 | 1 | 0.25" | 6mm | 0.50" | 13mm | 4.37" | 111mm | ALW | Medium |
| SY39804 | 1 | 0.62" | 16mm | 1.12" | 28mm | 4.37" | 111mm | ALW 320-GV | Extra Fine - Soft Hardness |

## Holders

| | Quantity | Thickness | | Total Width ▼ | | Total Length | | Material | Grade |
|---|---|---|---|---|---|---|---|---|---|
| SY39329 | 1 | 0.25" | 6mm | 0.62" | 16mm | 10.05" | 206mm | Resin 120 | Fine |
| SY39328 | 1 | 0.25" | 6mm | 0.62" | 16mm | 9.25" | 230mm | Plastic | |