

SELECTION TABLES
End Suction Fire Pumps
50Hz Electric Motor Driven

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 Date November 15, 2018
 Supersedes January 1, 2018

| Flow | Pressure | | Required Motor HP Rating | | | Maximum Shutoff (PSI)* | Pump Model |
|-------------------------|----------|------|--------------------------|-------------|------------------|------------------------|------------|
| | PSI | Feet | Motor HP | Speed (RPM) | Horsepower (BHP) | | |
| 50 GPM | 98 | 226 | 30 | 2950 | 31 | 99 | 2-384-11 |
| | 100 | 231 | 30 | 2950 | 32 | 101 | 2-384-11 |
| | 105 | 243 | 30 | 2950 | 33 | 106 | 2-384-11 |
| | 110 | 254 | 40 | 2950 | 35 | 111 | 2-384-11 |
| | 115 | 266 | 40 | 2950 | 37 | 117 | 2-384-11 |
| | 120 | 277 | 40 | 2950 | 39 | 122 | 2-384-11 |
| | 125 | 289 | 40 | 2950 | 41 | 127 | 2-384-11 |
| | 130 | 300 | 40 | 2950 | 44 | 132 | 2-384-11 |
| | 135 | 312 | 40 | 2950 | 46 | 137 | 2-384-11 |
| | 140 | 323 | 50 | 2950 | 48 | 143 | 2-384-11 |
| | 145 | 335 | 50 | 2950 | 50 | 148 | 2-384-11 |
| 150 | 347 | 50 | 2950 | 51 | 153 | 2-384-11 | |
| 151 | 349 | 50 | 2950 | 51 | 154 | 2-384-11 | |

| | | | | | | | |
|--------------------------|-----|-----|------|------|------|----------|-----------|
| 100 GPM | 43 | 99 | 10 | 2950 | 9.4 | 44 | 2.5-384-7 |
| | 45 | 104 | 10 | 2950 | 10 | 46 | 2.5-384-7 |
| | 50 | 116 | 10 | 2950 | 11.5 | 51 | 2.5-384-7 |
| | 55 | 127 | 15 | 2950 | 14 | 56 | 2.5-384-7 |
| | 59 | 136 | 15 | 2950 | 15 | 60 | 2.5-384-7 |
| | 98 | 226 | 30 | 2950 | 31 | 99 | 2-384-11 |
| | 100 | 231 | 30 | 2950 | 32 | 101 | 2-384-11 |
| | 105 | 243 | 30 | 2950 | 34 | 106 | 2-384-11 |
| | 110 | 254 | 40 | 2950 | 36 | 112 | 2-384-11 |
| | 115 | 266 | 40 | 2950 | 38 | 117 | 2-384-11 |
| | 120 | 277 | 40 | 2950 | 40 | 122 | 2-384-11 |
| | 125 | 289 | 40 | 2950 | 42 | 127 | 2-384-11 |
| | 130 | 300 | 40 | 2950 | 44 | 133 | 2-384-11 |
| | 135 | 312 | 40 | 2950 | 46 | 138 | 2-384-11 |
| | 140 | 323 | 50 | 2950 | 48 | 143 | 2-384-11 |
| | 145 | 335 | 50 | 2950 | 50 | 149 | 2-384-11 |
| 149 | 345 | 50 | 2950 | 51 | 153 | 2-384-11 | |
| 150 | 347 | 50 | 2950 | 51 | 154 | 2-384-11 | |
| 151 | 349 | 50 | 2950 | 52 | 155 | 2-384-11 | |

| | | | | | | | |
|--------------------------|-----|-----|------|------|------|----------|-----------|
| 150 GPM | 42 | 97 | 10 | 2950 | 9.4 | 44 | 2.5-384-7 |
| | 45 | 104 | 10 | 2950 | 10.2 | 47 | 2.5-384-7 |
| | 50 | 116 | 15 | 2950 | 12 | 52 | 2.5-384-7 |
| | 55 | 127 | 15 | 2950 | 14 | 57 | 2.5-384-7 |
| | 58 | 135 | 15 | 2950 | 15 | 60 | 2.5-384-7 |
| | 59 | 136 | 15 | 2950 | 15 | 61 | 2.5-384-7 |
| | 97 | 224 | 30 | 2950 | 31 | 99 | 2-384-11 |
| | 100 | 231 | 30 | 2950 | 32 | 102 | 2-384-11 |
| | 105 | 243 | 30 | 2950 | 34 | 108 | 2-384-11 |
| | 110 | 254 | 40 | 2950 | 36 | 113 | 2-384-11 |
| | 115 | 266 | 40 | 2950 | 38 | 118 | 2-384-11 |
| | 120 | 277 | 40 | 2950 | 40 | 123 | 2-384-11 |
| | 125 | 289 | 40 | 2950 | 42 | 128 | 2-384-11 |
| | 130 | 300 | 40 | 2950 | 44 | 134 | 2-384-11 |
| | 135 | 312 | 40 | 2950 | 46 | 139 | 2-384-11 |
| | 140 | 323 | 50 | 2950 | 48 | 144 | 2-384-11 |
| 145 | 335 | 50 | 2950 | 51 | 149 | 2-384-11 | |
| 149 | 343 | 50 | 2950 | 51 | 153 | 2-384-11 | |
| 150 | 347 | 50 | 2950 | 51 | 154 | 2-384-11 | |

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



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| Flow | Pressure | | Required Motor HP Rating | | | Maximum Shutoff (PSI)* | Pump Model |
|----------------|----------|------|--------------------------|-------------|------------------|------------------------|------------|
| | PSI | Feet | Motor HP | Speed (RPM) | Horsepower (BHP) | | |
| 200 GPM | 40 | 92 | 10 | 2950 | 9.2 | 44 | 2.5-384-7 |
| | 44 | 102 | 20 | 2950 | 21 | 45 | 4-384-7 |
| | 45 | 104 | 10 | 2950 | 10.7 | 48 | 2.5-384-7 |
| | | | 20 | 2950 | 21 | 46 | 4-384-7 |
| | 50 | 116 | 15 | 2950 | 13 | 53 | 2.5-384-7 |
| | | | 25 | 2950 | 25 | 52 | 4-384-7 |
| | 55 | 127 | 15 | 2950 | 14 | 58 | 2.5-384-7 |
| | | | 25 | 2950 | 28 | 58 | 4-384-7 |
| | 57 | 131 | 20 | 2950 | 21 | 60 | 4-384-7 |
| | | | 15 | 2950 | 15 | 60 | 2.5-384-7 |
| | 58 | 134 | 15 | 2950 | 15 | 61 | 2.5-384-7 |
| | 60 | 139 | 30 | 2950 | 32 | 63 | 4-384-7 |
| | 62 | 143 | 30 | 2950 | 32 | 65 | 4-384-7 |
| | 95 | 219 | 30 | 2950 | 31 | 100 | 2-384-11 |
| | 100 | 231 | 30 | 2950 | 33 | 105 | 2-384-11 |
| | 105 | 243 | 30 | 2950 | 35 | 110 | 2-384-11 |
| | 110 | 254 | 40 | 2950 | 37 | 115 | 2-384-11 |
| | 115 | 266 | 40 | 2950 | 39 | 120 | 2-384-11 |
| | 120 | 277 | 40 | 2950 | 41 | 125 | 2-384-11 |
| | | | 60 | 2950 | 67 | 123 | 3-384-13.5 |
| | | | 60 | 2950 | 67 | 123 | 3-384-13.5 |
| | 125 | 289 | 40 | 2950 | 43 | 130 | 2-384-11 |
| | | | 75 | 2950 | 70 | 128 | 3-384-13.5 |
| | 130 | 300 | 40 | 2950 | 45 | 135 | 2-384-11 |
| | | | 75 | 2950 | 74 | 134 | 3-384-13.5 |
| | 135 | 312 | 50 | 2950 | 47 | 140 | 2-384-11 |
| | | | 75 | 2950 | 77 | 139 | 3-384-13.5 |
| | 140 | 323 | 50 | 2950 | 49 | 145 | 2-384-11 |
| | | | 75 | 2950 | 81 | 143 | 3-384-13.5 |
| | 145 | 335 | 50 | 2950 | 51 | 150 | 2-384-11 |
| | | | 75 | 2950 | 84 | 148 | 3-384-13.5 |
| | 148 | 341 | 50 | 2950 | 51 | 153 | 2-384-11 |
| | 149 | 344 | 50 | 2950 | 52 | 155 | 2-384-11 |
| | 150 | 347 | 100 | 2950 | 88 | 153 | 3-384-13.5 |
| | 155 | 358 | 100 | 2950 | 92 | 158 | 3-384-13.5 |
| | 160 | 370 | 100 | 2950 | 95 | 163 | 3-384-13.5 |
| | 165 | 381 | 100 | 2950 | 99 | 168 | 3-384-13.5 |
| | 170 | 393 | 100 | 2950 | 103 | 173 | 3-384-13.5 |
| | 175 | 404 | 100 | 2950 | 107 | 178 | 3-384-13.5 |
| | 180 | 416 | 100 | 2950 | 110 | 183 | 3-384-13.5 |
| 185 | 427 | 100 | 2950 | 114 | 188 | 3-384-13.5 | |
| 190 | 439 | 125 | 2950 | 118 | 193 | 3-384-13.5 | |
| 195 | 450 | 125 | 2950 | 122 | 198 | 3-384-13.5 | |
| 200 | 462 | 125 | 2950 | 126 | 203 | 3-384-13.5 | |
| 205 | 474 | 125 | 2950 | 130 | 208 | 3-384-13.5 | |
| 210 | 485 | 125 | 2950 | 135 | 213 | 3-384-13.5 | |
| 215 | 497 | 125 | 2950 | 139 | 218 | 3-384-13.5 | |
| 216 | 499 | 125 | 2950 | 136 | 219 | 3-384-13.5 | |
| 218 | 504 | 125 | 2950 | 141 | 221 | 3-384-13.5 | |

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



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| Flow | Pressure | | Required Motor HP Rating | | | Maximum Shutoff (PSI)* | Pump Model |
|----------------|----------|------|--------------------------|-------------|------------------|------------------------|------------|
| | PSI | Feet | Motor HP | Speed (RPM) | Horsepower (BHP) | | |
| 250 GPM | 44 | 102 | 20 | 2950 | 21 | 45 | 4-384-7 |
| | 45 | 104 | 20 | 2950 | 22 | 47 | 4-384-7 |
| | 50 | 116 | 25 | 2950 | 25 | 52 | 4-384-7 |
| | 55 | 127 | 25 | 2950 | 28 | 58 | 4-384-7 |
| | 56 | 130 | 20 | 2950 | 23 | 60 | 4-384-7 |
| | 60 | 139 | 30 | 2950 | 32 | 64 | 4-384-7 |
| | | | 40 | 2950 | 36 | 65 | 4-384-9.5 |
| | 62 | 143 | 30 | 2950 | 32 | 66 | 4-384-7 |
| | 65 | 150 | 40 | 2950 | 40 | 70 | 4-384-9.5 |
| | 70 | 162 | 40 | 2950 | 44 | 75 | 4-384-9.5 |
| | 75 | 173 | 50 | 2950 | 48 | 80 | 4-384-9.5 |
| | 76 | 176 | 30 | 2950 | 34 | 79 | 3-384-11 |
| | 80 | 185 | 40 | 2950 | 36 | 83 | 3-384-11 |
| | | | 50 | 2950 | 52 | 85 | 4-384-9.5 |
| | 85 | 196 | 40 | 2950 | 39 | 88 | 3-384-11 |
| | | | 50 | 2950 | 56 | 90 | 4-384-9.5 |
| | 90 | 208 | 40 | 2950 | 42 | 93 | 3-384-11 |
| | | | 60 | 2950 | 60 | 95 | 4-384-9.5 |
| | 91 | 210 | 30 | 2950 | 31 | 99 | 2-384-11 |
| | 95 | 219 | 30 | 2950 | 32 | 103 | 2-384-11 |
| | | | 40 | 2950 | 45 | 98 | 3-384-11 |
| | | | 60 | 2950 | 65 | 101 | 4-384-9.5 |
| | 100 | 231 | 30 | 2950 | 34 | 108 | 2-384-11 |
| | | | 50 | 2950 | 48 | 103 | 3-384-11 |
| | | | 60 | 2950 | 69 | 106 | 4-384-9.5 |
| | 105 | 243 | 40 | 2950 | 36 | 113 | 2-384-11 |
| | | | 50 | 2950 | 52 | 108 | 3-384-11 |
| | | | 75 | 2950 | 74 | 111 | 4-384-9.5 |
| | 110 | 254 | 40 | 2950 | 38 | 118 | 2-384-11 |
| | | | 50 | 2950 | 55 | 113 | 3-384-11 |
| | | | 75 | 2950 | 77 | 116 | 4-384-9.5 |
| | 111 | 256 | 75 | 2950 | 78 | 117 | 4-384-9.5 |
| | 115 | 266 | 40 | 2950 | 40 | 123 | 2-384-11 |
| | 119 | 275 | 60 | 2950 | 58 | 118 | 3-384-11 |
| | | | 60 | 2950 | 66 | 123 | 3-384-13.5 |
| | 120 | 277 | 40 | 2950 | 42 | 128 | 2-384-11 |
| | | | 60 | 2950 | 62 | 123 | 3-384-11 |
| | | | 60 | 2950 | 67 | 124 | 3-384-13.5 |
| | 125 | 289 | 40 | 2950 | 44 | 132 | 2-384-11 |
| | | | 60 | 2950 | 65 | 128 | 3-384-11 |
| | | | 75 | 2950 | 70 | 129 | 3-384-13.5 |
| | 130 | 300 | 40 | 2950 | 46 | 137 | 2-384-11 |
| | | | 60 | 2950 | 68 | 132 | 3-384-11 |
| | | | 75 | 2950 | 74 | 134 | 3-384-13.5 |
| | 135 | 312 | 50 | 2950 | 48 | 142 | 2-384-11 |
| | | | 75 | 2950 | 72 | 137 | 3-384-11 |
| | | | 75 | 2950 | 77 | 139 | 3-384-13.5 |
| | 140 | 323 | 50 | 2950 | 50 | 147 | 2-384-11 |
| 75 | | | 2950 | 76 | 142 | 3-384-11 | |
| 75 | | | 2950 | 81 | 144 | 3-384-13.5 | |
| 145 | 335 | 50 | 2950 | 51 | 152 | 2-384-11 | |
| | | 75 | 2950 | 79 | 147 | 3-384-11 | |
| | | 75 | 2950 | 85 | 149 | 3-384-13.5 | |
| 146 | 337 | 50 | 2950 | 51 | 153 | 2-384-11 | |
| 147 | 340 | 50 | 2950 | 51 | 154 | 2-384-11 | |
| | | 75 | 2950 | 79 | 150 | 3-384-11 | |
| 148 | 342 | 75 | 2950 | 79 | 150 | 3-384-11 | |

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



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50Hz Electric Motor Driven**

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| Flow | Pressure | | Required Motor HP Rating | | | Maximum Shutoff (PSI)* | Pump Model |
|---|----------|------|--------------------------|-------------|------------------|------------------------|------------|
| | | | Motor HP | Speed (RPM) | Horsepower (BHP) | | |
| | PSI | Feet | | | | | |
| 2 5 0 G P M | 150 | 347 | 100 | 2950 | 88 | 154 | 3-384-13.5 |
| | 155 | 358 | 100 | 2950 | 92 | 159 | 3-384-13.5 |
| | 160 | 370 | 100 | 2950 | 95 | 163 | 3-384-13.5 |
| | 165 | 381 | 100 | 2950 | 99 | 168 | 3-384-13.5 |
| | 170 | 393 | 100 | 2950 | 103 | 173 | 3-384-13.5 |
| | 175 | 404 | 100 | 2950 | 107 | 178 | 3-384-13.5 |
| | 180 | 416 | 100 | 2950 | 111 | 183 | 3-384-13.5 |
| | 185 | 427 | 100 | 2950 | 115 | 188 | 3-384-13.5 |
| | 190 | 439 | 125 | 2950 | 118 | 193 | 3-384-13.5 |
| | 195 | 450 | 125 | 2950 | 122 | 198 | 3-384-13.5 |
| | 200 | 462 | 125 | 2950 | 126 | 203 | 3-384-13.5 |
| | 205 | 474 | 125 | 2950 | 131 | 208 | 3-384-13.5 |
| | 210 | 485 | 125 | 2950 | 135 | 213 | 3-384-13.5 |
| | 215 | 497 | 125 | 2950 | 139 | 218 | 3-384-13.5 |
| | 216 | 499 | 125 | 2950 | 136 | 219 | 3-384-13.5 |
| 218 | 504 | 125 | 2950 | 142 | 221 | 3-384-13.5 | |

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



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End Suction Fire Pumps
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| Flow | Pressure | | Required Motor HP Rating | | | Maximum Shutoff (PSI)* | Pump Model |
|----------------|----------|------|--------------------------|-------------|------------------|------------------------|------------|
| | PSI | Feet | Motor HP | Speed (RPM) | Horsepower (BHP) | | |
| 300 GPM | 44 | 102 | 20 | 2950 | 21 | 46 | 4-384-7 |
| | 45 | 104 | 20 | 2950 | 22 | 47 | 4-384-7 |
| | 50 | 116 | 25 | 2950 | 25 | 53 | 4-384-7 |
| | 55 | 127 | 25 | 2950 | 29 | 58 | 4-384-7 |
| | 56 | 129 | 25 | 2950 | 24 | 60 | 4-384-7 |
| | 60 | 139 | 30 | 2950 | 32 | 64 | 4-384-7 |
| | | | 40 | 2950 | 36 | 65 | 4-384-9.5 |
| | 61 | 141 | 30 | 2950 | 32 | 65 | 4-384-7 |
| | 65 | 150 | 40 | 2950 | 40 | 71 | 4-384-9.5 |
| | 70 | 162 | 40 | 2950 | 44 | 76 | 4-384-9.5 |
| | 75 | 173 | 30 | 2950 | 34 | 79 | 3-384-11 |
| | | | 30 | 2950 | 34 | 79 | 3-384-11 |
| | | | 50 | 2950 | 48 | 81 | 4-384-9.5 |
| | 80 | 185 | 40 | 2950 | 37 | 84 | 3-384-11 |
| | | | 50 | 2950 | 52 | 86 | 4-384-9.5 |
| | 85 | 196 | 40 | 2950 | 40 | 90 | 3-384-11 |
| | | | 50 | 2950 | 57 | 91 | 4-384-9.5 |
| | 87 | 201 | 30 | 2950 | 31 | 100 | 2-384-11 |
| | 90 | 208 | 30 | 2950 | 32 | 103 | 2-384-11 |
| | | | 40 | 2950 | 43 | 95 | 3-384-11 |
| | | | 60 | 2950 | 61 | 96 | 4-384-9.5 |
| | 95 | 219 | 30 | 2950 | 34 | 108 | 2-384-11 |
| | | | 40 | 2950 | 46 | 99 | 3-384-11 |
| | | | 60 | 2950 | 65 | 101 | 4-384-9.5 |
| | 100 | 231 | 40 | 2950 | 36 | 112 | 2-384-11 |
| | | | 50 | 2950 | 49 | 104 | 3-384-11 |
| | | | 75 | 2950 | 70 | 106 | 4-384-9.5 |
| | 105 | 243 | 40 | 2950 | 37 | 117 | 2-384-11 |
| | | | 50 | 2950 | 52 | 109 | 3-384-11 |
| | | | 75 | 2950 | 75 | 111 | 4-384-9.5 |
| | 110 | 254 | 75 | 2950 | 77 | 116 | 4-384-9.5 |
| | | | 40 | 2950 | 39 | 122 | 2-384-11 |
| | | | 50 | 2950 | 55 | 114 | 3-384-11 |
| | | | 75 | 2950 | 77 | 116 | 4-384-9.5 |
| | 111 | 256 | 75 | 2950 | 79 | 117 | 4-384-9.5 |
| | 115 | 266 | 40 | 2950 | 41 | 126 | 2-384-11 |
| | | | 60 | 2950 | 59 | 118 | 3-384-11 |
| | 119 | 275 | 60 | 2950 | 67 | 123 | 3-384-13.5 |
| | 120 | 277 | 40 | 2950 | 43 | 131 | 2-384-11 |
| | | | 60 | 2950 | 62 | 123 | 3-384-11 |
| | | | 60 | 2950 | 67 | 124 | 3-384-13.5 |
| | 125 | 289 | 40 | 2950 | 45 | 135 | 2-384-11 |
| | | | 60 | 2950 | 65 | 128 | 3-384-11 |
| | | | 75 | 2950 | 71 | 129 | 3-384-13.5 |
| | 130 | 300 | 50 | 2950 | 47 | 140 | 2-384-11 |
| | | | 60 | 2950 | 69 | 133 | 3-384-11 |
| | | | 75 | 2950 | 74 | 135 | 3-384-13.5 |
| | 135 | 312 | 50 | 2950 | 49 | 145 | 2-384-11 |
| 75 | | | 2950 | 72 | 138 | 3-384-11 | |
| 75 | | | 2950 | 78 | 140 | 3-384-13.5 | |
| 140 | 323 | 50 | 2950 | 51 | 149 | 2-384-11 | |
| | | 75 | 2950 | 76 | 143 | 3-384-11 | |
| | | 75 | 2950 | 81 | 144 | 3-384-13.5 | |

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



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| Flow | Pressure | | Required Motor HP Rating | | | Maximum Shutoff (PSI)* | Pump Model |
|---|----------|------|--------------------------|-------------|------------------|------------------------|------------|
| | PSI | Feet | Motor HP | Speed (RPM) | Horsepower (BHP) | | |
| 3 0 0 G P M | 145 | 335 | 50 | 2950 | 51 | 155 | 2-384-11 |
| | | | 75 | 2950 | 78 | 148 | 3-384-11 |
| | | | 75 | 2950 | 85 | 149 | 3-384-13.5 |
| | 147 | 339 | 75 | 2950 | 79 | 150 | 3-384-11 |
| | | | 75 | 2950 | 79 | 150 | 3-384-11 |
| | 150 | 347 | 100 | 2950 | 88 | 154 | 3-384-13.5 |
| | 155 | 358 | 100 | 2950 | 92 | 159 | 3-384-13.5 |
| | 160 | 370 | 100 | 2950 | 96 | 164 | 3-384-13.5 |
| | 165 | 381 | 100 | 2950 | 100 | 169 | 3-384-13.5 |
| | 170 | 393 | 100 | 2950 | 103 | 174 | 3-384-13.5 |
| | 175 | 404 | 100 | 2950 | 107 | 179 | 3-384-13.5 |
| | 180 | 416 | 100 | 2950 | 111 | 184 | 3-384-13.5 |
| | 185 | 427 | 100 | 2950 | 115 | 188 | 3-384-13.5 |
| | 190 | 439 | 125 | 2950 | 119 | 193 | 3-384-13.5 |
| | 195 | 450 | 125 | 2950 | 123 | 198 | 3-384-13.5 |
| | 200 | 462 | 125 | 2950 | 127 | 203 | 3-384-13.5 |
| | 205 | 474 | 125 | 2950 | 131 | 208 | 3-384-13.5 |
| | 210 | 485 | 125 | 2950 | 135 | 213 | 3-384-13.5 |
| 215 | 497 | 125 | 2950 | 139 | 218 | 3-384-13.5 | |
| 216 | 498 | 125 | 2950 | 136 | 219 | 3-384-13.5 | |
| 218 | 504 | 125 | 2950 | 142 | 221 | 3-384-13.5 | |

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



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| Flow | Pressure | | Required Motor HP Rating | | | Maximum Shutoff (PSI)* | Pump Model |
|----------------|----------|------|--------------------------|-------------|------------------|------------------------|------------|
| | PSI | Feet | Motor HP | Speed (RPM) | Horsepower (BHP) | | |
| 400 GPM | 42 | 97 | 20 | 2950 | 21 | 45 | 4-384-7 |
| | 45 | 104 | 20 | 2950 | 23 | 48 | 4-384-7 |
| | 50 | 116 | 25 | 2950 | 26 | 54 | 4-384-7 |
| | 55 | 127 | 30 | 2950 | 30 | 60 | 4-384-7 |
| | 59 | 136 | 40 | 2950 | 36 | 66 | 4-384-9.5 |
| | 60 | 139 | 30 | 2950 | 32 | 65 | 4-384-7 |
| | | | 40 | 2950 | 37 | 67 | 4-384-9.5 |
| | 61 | 141 | 30 | 2950 | 31 | 66 | 4-384-7 |
| | 65 | 150 | 40 | 2950 | 41 | 72 | 4-384-9.5 |
| | 70 | 162 | 40 | 2950 | 45 | 77 | 4-384-9.5 |
| | 72 | 166 | 30 | 2950 | 34 | 79 | 3-384-11 |
| | 75 | 173 | 40 | 2950 | 36 | 82 | 3-384-11 |
| | | | 50 | 2950 | 49 | 82 | 4-384-9.5 |
| | 80 | 185 | 40 | 2950 | 39 | 88 | 3-384-11 |
| | | | 50 | 2950 | 53 | 87 | 4-384-9.5 |
| | 85 | 196 | 40 | 2950 | 42 | 93 | 3-384-11 |
| | | | 50 | 2950 | 58 | 92 | 4-384-9.5 |
| | 90 | 208 | 40 | 2950 | 45 | 97 | 3-384-11 |
| | | | 60 | 2950 | 62 | 97 | 4-384-9.5 |
| | 95 | 219 | 50 | 2950 | 48 | 102 | 3-384-11 |
| | | | 60 | 2950 | 66 | 102 | 4-384-9.5 |
| | 100 | 231 | 50 | 2950 | 51 | 106 | 3-384-11 |
| | | | 75 | 2950 | 71 | 107 | 4-384-9.5 |
| | 105 | 243 | 50 | 2950 | 54 | 111 | 3-384-11 |
| | | | 75 | 2950 | 76 | 112 | 4-384-9.5 |
| | 109 | 251 | 75 | 2950 | 77 | 116 | 4-384-9.5 |
| | | | 75 | 2950 | 77 | 116 | 4-384-9.5 |
| | 110 | 254 | 50 | 2950 | 57 | 116 | 3-384-11 |
| | 115 | 266 | 60 | 2950 | 60 | 120 | 3-384-11 |
| | 118 | 273 | 60 | 2950 | 67 | 124 | 3-384-13.5 |
| | 120 | 277 | 60 | 2950 | 63 | 125 | 3-384-11 |
| | | | 60 | 2950 | 68 | 126 | 3-384-13.5 |
| | 125 | 289 | 60 | 2950 | 67 | 130 | 3-384-11 |
| | | | 75 | 2950 | 72 | 131 | 3-384-13.5 |
| | 130 | 300 | 75 | 2950 | 70 | 134 | 3-384-11 |
| | | | 75 | 2950 | 75 | 136 | 3-384-13.5 |
| | 135 | 312 | 75 | 2950 | 74 | 139 | 3-384-11 |
| | | | 75 | 2950 | 79 | 141 | 3-384-13.5 |
| | 140 | 323 | 75 | 2950 | 77 | 144 | 3-384-11 |
| | | | 75 | 2950 | 82 | 145 | 3-384-13.5 |
| | 145 | 335 | 75 | 2950 | 79 | 149 | 3-384-11 |
| | | | 75 | 2950 | 86 | 150 | 3-384-13.5 |
| 75 | | | 2950 | 79 | 150 | 3-384-11 | |
| 146 | 337 | 75 | 2950 | 79 | 150 | 3-384-11 | |
| 150 | 347 | 100 | 2950 | 89 | 155 | 3-384-13.5 | |
| 155 | 358 | 100 | 2950 | 93 | 160 | 3-384-13.5 | |
| 160 | 370 | 100 | 2950 | 97 | 165 | 3-384-13.5 | |
| 165 | 381 | 100 | 2950 | 100 | 170 | 3-384-13.5 | |
| 170 | 393 | 100 | 2950 | 104 | 175 | 3-384-13.5 | |
| 175 | 404 | 100 | 2950 | 108 | 180 | 3-384-13.5 | |
| 180 | 416 | 100 | 2950 | 112 | 185 | 3-384-13.5 | |
| 185 | 427 | 125 | 2950 | 116 | 189 | 3-384-13.5 | |
| 190 | 439 | 125 | 2950 | 120 | 194 | 3-384-13.5 | |
| 195 | 450 | 125 | 2950 | 124 | 199 | 3-384-13.5 | |
| 200 | 462 | 125 | 2950 | 128 | 204 | 3-384-13.5 | |
| 205 | 474 | 125 | 2950 | 132 | 209 | 3-384-13.5 | |
| 210 | 485 | 125 | 2950 | 136 | 214 | 3-384-13.5 | |
| 215 | 496 | 125 | 2950 | 136 | 219 | 3-384-13.5 | |
| 215 | 497 | 125 | 2950 | 140 | 219 | 3-384-13.5 | |
| 216 | 499 | 125 | 2950 | 141 | 220 | 3-384-13.5 | |

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



SELECTION TABLES
End Suction Fire Pumps
50Hz Electric Motor Driven

Section 911.5 Page 508
 Date November 15, 2018
 Supersedes January 1, 2018

| Flow | Pressure | | Required Motor HP Rating | | | Maximum Shutoff (PSI)* | Pump Model |
|----------------|----------|------|--------------------------|-------------|------------------|------------------------|------------|
| | PSI | Feet | Motor HP | Speed (RPM) | Horsepower (BHP) | | |
| 450 GPM | 42 | 97 | 20 | 2950 | 21 | 46 | 4-384-7 |
| | 45 | 104 | 20 | 2950 | 23 | 49 | 4-384-7 |
| | 50 | 116 | 25 | 2950 | 26 | 55 | 4-384-7 |
| | 54 | 125 | 25 | 2950 | 28 | 59 | 4-384-7 |
| | 55 | 127 | 30 | 2950 | 30 | 60 | 4-384-7 |
| | 58 | 134 | 40 | 2950 | 36 | 65 | 4-384-9.5 |
| | 60 | 139 | 30 | 2950 | 32 | 66 | 4-384-7 |
| | | | 40 | 2950 | 38 | 67 | 4-384-9.5 |
| | 65 | 150 | 40 | 2950 | 41 | 73 | 4-384-9.5 |
| | 70 | 162 | 30 | 2950 | 34 | 79 | 3-384-11 |
| | | | 40 | 2950 | 45 | 77 | 4-384-9.5 |
| | 75 | 173 | 40 | 2950 | 37 | 85 | 3-384-11 |
| | | | 50 | 2950 | 50 | 83 | 4-384-9.5 |
| | 80 | 185 | 40 | 2950 | 40 | 90 | 3-384-11 |
| | | | 50 | 2950 | 54 | 88 | 4-384-9.5 |
| | 85 | 196 | 40 | 2950 | 43 | 96 | 3-384-11 |
| | | | 60 | 2950 | 58 | 93 | 4-384-9.5 |
| | 90 | 208 | 40 | 2950 | 46 | 99 | 3-384-11 |
| | | | 60 | 2950 | 62 | 98 | 4-384-9.5 |
| | 95 | 219 | 50 | 2950 | 49 | 103 | 3-384-11 |
| | | | 60 | 2950 | 67 | 103 | 4-384-9.5 |
| | 100 | 231 | 50 | 2950 | 52 | 108 | 3-384-11 |
| | | | 75 | 2950 | 72 | 108 | 4-384-9.5 |
| | 105 | 243 | 50 | 2950 | 55 | 112 | 3-384-11 |
| | | | 75 | 2950 | 76 | 113 | 4-384-9.5 |
| | 108 | 250 | 75 | 2950 | 77 | 116 | 4-384-9.5 |
| | 109 | 252 | 75 | 2950 | 77 | 117 | 4-384-9.5 |
| | 110 | 254 | 50 | 2950 | 58 | 117 | 3-384-11 |
| | 115 | 266 | 60 | 2950 | 61 | 122 | 3-384-11 |
| | 117 | 270 | 60 | 2950 | 67 | 124 | 3-384-13.5 |
| | 120 | 277 | 60 | 2950 | 64 | 126 | 3-384-11 |
| | | | 60 | 2950 | 69 | 127 | 3-384-13.5 |
| | 125 | 289 | 60 | 2950 | 68 | 131 | 3-384-11 |
| | | | 75 | 2950 | 72 | 132 | 3-384-13.5 |
| | 130 | 300 | 75 | 2950 | 71 | 135 | 3-384-11 |
| | | | 75 | 2950 | 76 | 137 | 3-384-13.5 |
| | 135 | 312 | 75 | 2950 | 74 | 140 | 3-384-11 |
| | | | 75 | 2950 | 79 | 142 | 3-384-13.5 |
| | 140 | 323 | 75 | 2950 | 78 | 145 | 3-384-11 |
| | | | 75 | 2950 | 83 | 146 | 3-384-13.5 |
| | 144 | 333 | 75 | 2950 | 79 | 150 | 3-384-11 |
| | 145 | 335 | 75 | 2950 | 79 | 150 | 3-384-11 |
| 75 | | | 2950 | 86 | 151 | 3-384-13.5 | |
| 146 | 337 | 75 | 2950 | 80 | 151 | 3-384-11 | |
| 150 | 347 | 100 | 2950 | 90 | 156 | 3-384-13.5 | |
| 155 | 358 | 100 | 2950 | 94 | 161 | 3-384-13.5 | |
| 160 | 370 | 100 | 2950 | 97 | 166 | 3-384-13.5 | |
| 165 | 381 | 100 | 2950 | 101 | 171 | 3-384-13.5 | |
| 170 | 393 | 100 | 2950 | 105 | 176 | 3-384-13.5 | |
| 175 | 404 | 100 | 2950 | 109 | 180 | 3-384-13.5 | |
| 180 | 416 | 100 | 2950 | 112 | 185 | 3-384-13.5 | |
| 185 | 427 | 125 | 2950 | 116 | 190 | 3-384-13.5 | |
| 190 | 439 | 125 | 2950 | 120 | 195 | 3-384-13.5 | |
| 195 | 450 | 125 | 2950 | 124 | 199 | 3-384-13.5 | |
| 200 | 462 | 125 | 2950 | 128 | 205 | 3-384-13.5 | |
| 205 | 474 | 125 | 2950 | 132 | 210 | 3-384-13.5 | |
| 210 | 485 | 125 | 2950 | 136 | 215 | 3-384-13.5 | |
| 214 | 494 | 125 | 2950 | 136 | 219 | 3-384-13.5 | |
| 215 | 497 | 125 | 2950 | 140 | 220 | 3-384-13.5 | |

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



SELECTION TABLES
End Suction Fire Pumps
50Hz Electric Motor Driven

Section 911.5 Page 509
 Date November 15, 2018
 Supersedes January 1, 2018

| Flow | Pressure | | Required Motor HP Rating | | | Maximum Shutoff (PSI)* | Pump Model |
|----------------|----------|------|--------------------------|-------------|------------------|------------------------|------------|
| | PSI | Feet | Motor HP | Speed (RPM) | Horsepower (BHP) | | |
| 500 GPM | 41 | 95 | 20 | 2950 | 21 | 46 | 4-384-7 |
| | 45 | 104 | 25 | 2950 | 24 | 50 | 4-384-7 |
| | 50 | 116 | 25 | 2950 | 27 | 56 | 4-384-7 |
| | 54 | 124 | 25 | 2950 | 29 | 59 | 4-384-7 |
| | 55 | 127 | 30 | 2950 | 30 | 61 | 4-384-7 |
| | 57 | 132 | 40 | 2950 | 36 | 66 | 4-384-9.5 |
| | 60 | 139 | 30 | 2950 | 32 | 66 | 4-384-7 |
| | | | 40 | 2950 | 38 | 69 | 4-384-9.5 |
| | 65 | 150 | 40 | 2950 | 42 | 75 | 4-384-9.5 |
| | 68 | 157 | 30 | 2950 | 34 | 79 | 3-384-11 |
| | 70 | 162 | 40 | 2950 | 35 | 82 | 3-384-11 |
| | | | 40 | 2950 | 46 | 79 | 4-384-9.5 |
| | 75 | 173 | 40 | 2950 | 38 | 87 | 3-384-11 |
| | | | 50 | 2950 | 50 | 84 | 4-384-9.5 |
| | 80 | 185 | 40 | 2950 | 41 | 93 | 3-384-11 |
| | | | 50 | 2950 | 54 | 89 | 4-384-9.5 |
| | 85 | 196 | 40 | 2950 | 44 | 99 | 3-384-11 |
| | | | 60 | 2950 | 59 | 94 | 4-384-9.5 |
| | 90 | 208 | 50 | 2950 | 47 | 100 | 3-384-11 |
| | | | 60 | 2950 | 63 | 99 | 4-384-9.5 |
| | 95 | 219 | 50 | 2950 | 50 | 105 | 3-384-11 |
| | | | 60 | 2950 | 68 | 104 | 4-384-9.5 |
| | 100 | 231 | 50 | 2950 | 53 | 110 | 3-384-11 |
| | | | 75 | 2950 | 72 | 109 | 4-384-9.5 |
| | 105 | 243 | 50 | 2950 | 56 | 114 | 3-384-11 |
| | | | 75 | 2950 | 77 | 115 | 4-384-9.5 |
| | 108 | 248 | 75 | 2950 | 77 | 117 | 4-384-9.5 |
| | | | 75 | 2950 | 77 | 118 | 4-384-9.5 |
| | 110 | 254 | 60 | 2950 | 59 | 119 | 3-384-11 |
| | 115 | 266 | 60 | 2950 | 62 | 123 | 3-384-11 |
| | | | 60 | 2950 | 66 | 123 | 3-384-13.5 |
| | 120 | 277 | 60 | 2950 | 65 | 128 | 3-384-11 |
| | | | 75 | 2950 | 70 | 128 | 3-384-13.5 |
| | 125 | 289 | 60 | 2950 | 69 | 132 | 3-384-11 |
| | | | 75 | 2950 | 73 | 133 | 3-384-13.5 |
| | 130 | 300 | 75 | 2950 | 72 | 136 | 3-384-11 |
| | | | 75 | 2950 | 77 | 138 | 3-384-13.5 |
| | 135 | 312 | 75 | 2950 | 75 | 141 | 3-384-11 |
| | | | 75 | 2950 | 80 | 144 | 3-384-13.5 |
| | 140 | 323 | 75 | 2950 | 79 | 147 | 3-384-11 |
| | | | 75 | 2950 | 84 | 147 | 3-384-13.5 |
| | 143 | 330 | 75 | 2950 | 79 | 150 | 3-384-11 |
| 144 | 333 | 75 | 2950 | 79 | 151 | 3-384-11 | |
| 145 | 335 | 100 | 2950 | 87 | 152 | 3-384-13.5 | |
| 150 | 347 | 100 | 2950 | 91 | 157 | 3-384-13.5 | |
| 155 | 358 | 100 | 2950 | 94 | 162 | 3-384-13.5 | |
| 160 | 370 | 100 | 2950 | 98 | 167 | 3-384-13.5 | |
| 165 | 381 | 100 | 2950 | 102 | 172 | 3-384-13.5 | |
| 170 | 393 | 100 | 2950 | 106 | 177 | 3-384-13.5 | |
| 175 | 404 | 100 | 2950 | 109 | 181 | 3-384-13.5 | |
| 180 | 416 | 100 | 2950 | 113 | 186 | 3-384-13.5 | |
| 185 | 427 | 125 | 2950 | 117 | 191 | 3-384-13.5 | |
| 190 | 439 | 125 | 2950 | 121 | 196 | 3-384-13.5 | |
| 195 | 450 | 125 | 2950 | 125 | 200 | 3-384-13.5 | |
| 200 | 462 | 125 | 2950 | 129 | 205 | 3-384-13.5 | |
| 205 | 474 | 125 | 2950 | 133 | 211 | 3-384-13.5 | |
| 210 | 485 | 125 | 2950 | 137 | 216 | 3-384-13.5 | |
| 215 | 497 | 125 | 2950 | 141 | 221 | 3-384-13.5 | |

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.



**SELECTION TABLES
End Suction Fire Pumps
50Hz Electric Motor Driven**

Section 911.5 Page 510
Date November 15, 2018
Supersedes January 1, 2018

| Flow | Pressure | | Required Motor HP Rating | | | Maximum Shutoff (PSI)* | Pump Model |
|---|----------|------|--------------------------|-------------|------------------|------------------------|------------|
| | | | Motor HP | Speed (RPM) | Horsepower (BHP) | | |
| | PSI | Feet | | | | | |
| 7 5 0 G P M | 52 | 120 | 40 | 2950 | 36 | 65 | 4-384-9.5 |
| | 55 | 127 | 40 | 2950 | 38 | 68 | 4-384-9.5 |
| | 60 | 139 | 40 | 2950 | 42 | 74 | 4-384-9.5 |
| | 65 | 150 | 40 | 2950 | 46 | 78 | 4-384-9.5 |
| | 70 | 162 | 50 | 2950 | 50 | 83 | 4-384-9.5 |
| | 75 | 173 | 50 | 2950 | 54 | 88 | 4-384-9.5 |
| | 80 | 185 | 60 | 2950 | 58 | 93 | 4-384-9.5 |
| | 85 | 196 | 60 | 2950 | 63 | 98 | 4-384-9.5 |
| | 90 | 208 | 60 | 2950 | 67 | 103 | 4-384-9.5 |
| | 95 | 219 | 75 | 2950 | 72 | 107 | 4-384-9.5 |
| | 100 | 231 | 75 | 2950 | 76 | 113 | 4-384-9.5 |
| | 104 | 240 | 75 | 2950 | 77 | 117 | 4-384-9.5 |

*Maximum shutoff includes Hydraulic Institute's tolerance of 6%. Value is used to determine flange rating for the pump.

