

**HMI / Y2 Series Cast-Iron Housing
Three Phase Asynchronous Induction Motor**

HONGMA

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TECHICAL DATA

Synchronous Speed: 3000r/min (2 Poles), 50Hz

| Type | | Output | | At full load | | | | Is/In | Ts/Tn | Tmax/Tn | Noise | Weight |
|----------|-------|--------|------|--------------|---------|------------|-------|-------|-------|---------|---------|--------|
| | | | | Speed | Current | Efficiency | Power | | | | | |
| | | KW | HP | r/min | A | % | COSΦ | | | | LwdB(A) | KG |
| HMI / Y2 | 56M1 | 0.09 | 0.12 | 2750 | 0.32 | 62 | 0.7 | 5.2 | 2.1 | 2.2 | 58 | 3.6 |
| HMI / Y2 | 56M2 | 0.12 | 0.18 | 2750 | 0.38 | 67 | 0.72 | 5.2 | 2.1 | 2.2 | 58 | 3.9 |
| HMI / Y2 | 63M1 | 0.18 | 0.25 | 2730 | 0.5 | 65.3 | 0.8 | 5.5 | 2.2 | 2.2 | 63 | 5 |
| HMI / Y2 | 63M2 | 0.25 | 0.37 | 2800 | 0.7 | 68.3 | 0.81 | 5.5 | 2.2 | 2.2 | 63 | 5.4 |
| HMI / Y2 | 71M1 | 0.37 | 0.5 | 2756 | 1 | 70.3 | 0.81 | 6.1 | 2.2 | 2.2 | 66 | 7.8 |
| HMI / Y2 | 71M2 | 0.55 | 0.75 | 2792 | 1.4 | 73.4 | 0.82 | 6.1 | 2.2 | 2.3 | 66 | 10 |
| HMI / Y2 | 80M1 | 0.75 | 1 | 2830 | 1.8 | 75.3 | 0.83 | 6.1 | 2.2 | 2.3 | 69 | 16 |
| HMI / Y2 | 80M2 | 1.1 | 1.5 | 2830 | 2.6 | 77.3 | 0.84 | 7 | 2.2 | 2.3 | 69 | 17 |
| HMI / Y2 | 90S | 1.5 | 2 | 2840 | 3.4 | 79.3 | 0.84 | 7 | 2.2 | 2.3 | 74 | 22 |
| HMI / Y2 | 90L | 2.2 | 3 | 2840 | 4.8 | 81.4 | 0.85 | 7 | 2.2 | 2.3 | 74 | 25 |
| HMI / Y2 | 100L | 3 | 4 | 2860 | 6.3 | 83.3 | 0.87 | 7.5 | 2.2 | 2.3 | 78 | 33 |
| HMI / Y2 | 112M | 4 | 5.5 | 2880 | 8 | 85.3 | 0.88 | 7.5 | 2.2 | 2.3 | 79 | 45 |
| HMI / Y2 | 132S1 | 5.5 | 7.5 | 2900 | 1 | 86.3 | 0.88 | 7.5 | 2.2 | 2.3 | 82 | 64 |
| HMI / Y2 | 132S2 | 7.5 | 10 | 2900 | 14.8 | 87.4 | 0.88 | 7.5 | 2.2 | 2.3 | 82 | 70 |
| HMI / Y2 | 160M1 | 11 | 15 | 2930 | 21.3 | 88.4 | 0.89 | 7.5 | 2.2 | 2.3 | 88 | 117 |
| HMI / Y2 | 160M2 | 15 | 20 | 2930 | 28.7 | 89.4 | 0.89 | 7.5 | 2.2 | 2.3 | 88 | 125 |
| HMI / Y2 | 160L | 18.5 | 25 | 2930 | 34.6 | 90.4 | 0.9 | 7.5 | 2.2 | 2.3 | 88 | 147 |
| HMI / Y2 | 180M | 22 | 30 | 2940 | 40.8 | 91 | 0.9 | 7.5 | 2 | 2.3 | 91 | 180 |
| HMI / Y2 | 200L1 | 30 | 40 | 2950 | 55.3 | 91.6 | 0.9 | 7.5 | 2 | 2.3 | 94 | 240 |
| HMI / Y2 | 200L2 | 37 | 50 | 2950 | 67.6 | 92.4 | 0.9 | 7.5 | 2 | 2.3 | 94 | 255 |
| HMI / Y2 | 225M | 45 | 60 | 2970 | 82 | 92.7 | 0.9 | 7.5 | 2 | 2.3 | 94 | 309 |
| HMI / Y2 | 250M | 55 | 75 | 2970 | 99.9 | 93 | 0.9 | 7.5 | 2 | 2.3 | 95 | 403 |
| HMI / Y2 | 280S | 75 | 100 | 2970 | 35.6 | 93.4 | 0.9 | 7.5 | 2 | 2.3 | 96 | 544 |
| HMI / Y2 | 280M | 90 | 120 | 2970 | 159.6 | 94.2 | 0.91 | 7.5 | 2 | 2.3 | 96 | 620 |
| HMI / Y2 | 315S | 110 | 150 | 2980 | 194.6 | 94.4 | 0.91 | 7.1 | 1.8 | 2.2 | 98 | 980 |
| HMI / Y2 | 315M | 132 | 180 | 2980 | 232.1 | 95 | 0.91 | 7.1 | 1.8 | 2.2 | 98 | 1080 |
| HMI / Y2 | 315L1 | 160 | 215 | 2980 | 278.2 | 95 | 0.92 | 7.1 | 1.8 | 2.2 | 101 | 1160 |
| HMI / Y2 | 315L2 | 200 | 270 | 2980 | 347 | 95.2 | 0.92 | 7.1 | 1.8 | 2.2 | 101 | 1190 |
| HMI / Y2 | 355M | 250 | 335 | 2980 | 43.5 | 95.7 | 0.92 | 7.1 | 1.6 | 2.2 | 105 | 1760 |
| HMI / Y2 | 355L | 315 | 420 | 2980 | 541.5 | 96.1 | 0.92 | 7.1 | 1.6 | 2.2 | 105 | 1850 |

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Three Phase Asynchronous Induction Motor**

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TECHICAL DATA

Synchronous Speed 1500r/min (4 Poles) 50Hz

| Type | | Output | | At full load | | | | Is/In | Ts/Tn | Tmax/Tn | Noise | Weight |
|----------|-------|--------|------|--------------|---------|------------|-------|-------|-------|---------|-------|--------|
| | | | | Speed | Current | Efficiency | Power | | | | | |
| | | KW | HP | r/min | A | % | COSΦ | | | LwdB(A) | KG | |
| HMI / Y2 | 56M1 | 0.06 | 0.08 | 1325 | 0.28 | 56 | 0.58 | 3.9 | 2 | 2.1 | 48 | 3.6 |
| HMI / Y2 | 56M2 | 0.09 | 0.12 | 1325 | 0.39 | 58 | 0.61 | 3.9 | 2 | 2.1 | 48 | 3.9 |
| HMI / Y2 | 63M1 | 0.12 | 0.16 | 1320 | 0.4 | 57.2 | 0.72 | 4.2 | 2.1 | 2.2 | 57 | 5.2 |
| HMI / Y2 | 63M2 | 0.18 | 0.25 | 1320 | 0.6 | 60.2 | 0.73 | 4.2 | 2.1 | 2.2 | 57 | 5.5 |
| HMI / Y2 | 71M1 | 0.25 | 0.37 | 1347 | 0.8 | 65.3 | 0.74 | 5 | 2.1 | 2.2 | 60 | 7 |
| HMI / Y2 | 71M2 | 0.37 | 0.5 | 1340 | 1.1 | 67.3 | 0.75 | 5 | 2.1 | 2.2 | 60 | 7.5 |
| HMI / Y2 | 80M1 | 0.55 | 0.75 | 1390 | 1.6 | 71.2 | 0.75 | 5 | 2.4 | 2.3 | 63 | 17 |
| HMI / Y2 | 80M2 | 0.75 | 1 | 1390 | 2 | 73.3 | 0.76 | 6 | 2.3 | 2.3 | 63 | 18 |
| HMI / Y2 | 90S | 1.1 | 1.5 | 1390 | 2.9 | 75.3 | 0.77 | 6 | 2.3 | 2.3 | 66 | 22 |
| HMI / Y2 | 90L | 1.5 | 2 | 1390 | 3.7 | 78.4 | 0.79 | 6 | 2.3 | 2.3 | 66 | 27 |
| HMI / Y2 | 100L1 | 2.2 | 3 | 1410 | 5.1 | 80.2 | 0.81 | 6 | 2.3 | 2.3 | 69 | 34 |
| HMI / Y2 | 100L2 | 3 | 4 | 1410 | 6.8 | 82.3 | 0.82 | 7 | 2.3 | 2.3 | 69 | 38 |
| HMI / Y2 | 112M | 4 | 5.5 | 1435 | 8.8 | 84.3 | 0.82 | 7 | 2.3 | 2.3 | 70 | 43 |
| HMI / Y2 | 132S | 5.5 | 7.5 | 1440 | 11.8 | 85.4 | 0.83 | 7 | 2.3 | 2.3 | 76 | 68 |
| HMI / Y2 | 132M | 7.5 | 10 | 1440 | 15.5 | 87.3 | 0.84 | 7 | 2.3 | 2.3 | 76 | 81 |
| HMI / Y2 | 160M | 11 | 15 | 1460 | 22.5 | 88.4 | 0.84 | 7 | 2.2 | 2.3 | 80 | 123 |
| HMI / Y2 | 160L | 15 | 20 | 1460 | 30 | 89.4 | 0.85 | 8 | 2.2 | 2.3 | 79 | 144 |
| HMI / Y2 | 180M | 18.5 | 25 | 1470 | 35.9 | 91 | 0.86 | 8 | 2.2 | 2.3 | 80 | 182 |
| HMI / Y2 | 180L | 22 | 30 | 1470 | 42.6 | 91.3 | 0.86 | 8 | 2.2 | 2.3 | 80 | 190 |
| HMI / Y2 | 200L | 30 | 40 | 1470 | 57.4 | 92.4 | 0.86 | 7 | 2.2 | 2.3 | 83 | 270 |
| HMI / Y2 | 225S | 37 | 50 | 1480 | 69.3 | 92.9 | 0.87 | 7 | 2.2 | 2.3 | 85 | 284 |
| HMI / Y2 | 225M | 45 | 60 | 1480 | 84.3 | 93.3 | 0.87 | 7 | 2.2 | 2.3 | 84 | 320 |
| HMI / Y2 | 250M | 55 | 75 | 1480 | 103 | 93.3 | 0.87 | 7 | 2.2 | 2.3 | 86 | 427 |
| HMI / Y2 | 280S | 75 | 100 | 1480 | 139.1 | 94.2 | 0.87 | 7 | 2.2 | 2.3 | 89 | 562 |
| HMI / Y2 | 280M | 90 | 120 | 1480 | 166.2 | 94.6 | 0.87 | 7 | 2.2 | 2.3 | 89 | 667 |
| HMI / Y2 | 315S | 110 | 150 | 1490 | 200 | 95 | 0.88 | 7 | 2.1 | 2.2 | 96 | 1000 |
| HMI / Y2 | 315M | 132 | 180 | 1490 | 239.7 | 95.1 | 0.88 | 7 | 2.1 | 2.2 | 96 | 1100 |
| HMI / Y2 | 315L1 | 160 | 215 | 1490 | 286.7 | 95.3 | 0.89 | 7 | 2.1 | 2.2 | 100 | 1160 |
| HMI / Y2 | 315L2 | 200 | 270 | 1490 | 358 | 95.4 | 0.89 | 7 | 2.1 | 2.2 | 100 | 1270 |
| HMI / Y2 | 355M2 | 250 | 335 | 1490 | 440.7 | 95.8 | 0.9 | 7 | 2.1 | 2.2 | 104 | 1700 |
| HMI / Y2 | 355L2 | 315 | 420 | 1490 | 554.6 | 95.9 | 0.9 | 7 | 2.1 | 2.2 | 104 | 1850 |

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TECHICAL DATA

Synchronous Speed 1000r/min (6 Poles) 50Hz

| Type | | Output | | At full load | | | | Is/In | Ts/Tn | Tmax/Tn | Noise | Weight |
|----------|-------|--------|------|--------------|---------|------------|-------|-------|-------|---------|---------|--------|
| | | | | Speed | Current | Efficiency | Power | | | | | |
| | | KW | HP | r/min | A | % | COSΦ | | | | LwdB(A) | KG |
| HMI / Y2 | 71M1 | 0.18 | 0.25 | 865 | 0.7 | 56.3 | 0.66 | 4 | 1.9 | 2 | 59 | 7 |
| HMI / Y2 | 71M2 | 0.25 | 0.37 | 863 | 0.9 | 59.4 | 0.68 | 4 | 1.9 | 2 | 59 | 7.5 |
| HMI / Y2 | 80M1 | 0.37 | 0.5 | 890 | 1.3 | 62.4 | 0.7 | 4.7 | 1.9 | 2 | 61 | 17 |
| HMI / Y2 | 80M2 | 0.55 | 0.75 | 890 | 1.8 | 65.3 | 0.72 | 4.7 | 1.9 | 2.1 | 61 | 19 |
| HMI / Y2 | 90S | 0.75 | 1 | 910 | 2.3 | 69.4 | 0.72 | 5.5 | 2 | 2.1 | 64 | 23 |
| HMI / Y2 | 90L | 1.1 | 1.5 | 910 | 3.2 | 72.3 | 0.73 | 5.5 | 2 | 2.1 | 64 | 25 |
| HMI / Y2 | 100L | 1.5 | 2 | 920 | 4 | 76.4 | 0.75 | 5.5 | 2 | 2.1 | 68 | 33 |
| HMI / Y2 | 112M | 2.2 | 3 | 935 | 5.5 | 79.3 | 0.76 | 6.5 | 2 | 2.1 | 72 | 45 |
| HMI / Y2 | 132S | 3 | 4 | 960 | 7.4 | 81.3 | 0.76 | 6.5 | 2.1 | 2.1 | 76 | 63 |
| HMI / Y2 | 132M1 | 4 | 5.5 | 960 | 9.7 | 82.5 | 0.76 | 6.5 | 2.1 | 2.1 | 76 | 73 |
| HMI / Y2 | 132M2 | 5.5 | 7.5 | 960 | 12.9 | 84.4 | 0.77 | 6.5 | 2.1 | 2.1 | 76 | 84 |
| HMI / Y2 | 160M | 7.5 | 10 | 970 | 17.1 | 86.3 | 0.77 | 6.5 | 2 | 2.1 | 80 | 119 |
| HMI / Y2 | 160L | 11 | 15 | 970 | 24.4 | 87.8 | 0.78 | 6.5 | 2 | 2.1 | 80 | 147 |
| HMI / Y2 | 180L | 15 | 20 | 970 | 31.5 | 89.2 | 0.81 | 7 | 2 | 2.1 | 79 | 195 |
| HMI / Y2 | 200L1 | 18.5 | 25 | 970 | 38.4 | 90.3 | 0.81 | 7 | 2.1 | 2.1 | 82 | 220 |
| HMI / Y2 | 200L2 | 22 | 30 | 970 | 44.5 | 90.4 | 0.83 | 7 | 2.1 | 2.1 | 82 | 250 |
| HMI / Y2 | 225M | 30 | 40 | 980 | 59.1 | 91.8 | 0.8 | 7 | 2 | 2.1 | 82 | 292 |
| HMI / Y2 | 250M | 37 | 50 | 980 | 70.8 | 92.3 | 0.86 | 7 | 2.1 | 2.1 | 84 | 408 |
| HMI / Y2 | 280S | 45 | 60 | 980 | 85.7 | 92.8 | 0.86 | 7 | 2.1 | 2 | 85 | 536 |
| HMI / Y2 | 280M | 55 | 75 | 980 | 104.3 | 93.2 | 0.86 | 7 | 2.1 | 2 | 85 | 595 |
| HMI / Y2 | 315S | 75 | 100 | 990 | 141.3 | 93.8 | 0.86 | 7 | 2 | 2 | 90 | 990 |
| HMI / Y2 | 315M | 90 | 120 | 990 | 168.8 | 94.2 | 0.86 | 7 | 2 | 2 | 90 | 1080 |
| HMI / Y2 | 315L1 | 110 | 150 | 990 | 206.1 | 94.3 | 0.86 | 6.7 | 2 | 2 | 90 | 1150 |
| HMI / Y2 | 315L2 | 132 | 180 | 990 | 243.9 | 94.5 | 0.87 | 6.7 | 2 | 2 | 89 | 1210 |
| HMI / Y2 | 355M1 | 160 | 215 | 990 | 290.8 | 95 | 0.88 | 6.7 | 1.9 | 2 | 96 | 1600 |
| HMI / Y2 | 355M2 | 200 | 270 | 990 | 363.1 | 95.1 | 0.88 | 6.7 | 1.9 | 2 | 96 | 1700 |
| HMI / Y2 | 355L | 250 | 335 | 990 | 452.9 | 95.3 | 0.88 | 6.7 | 1.9 | 2 | 96 | 1800 |

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TECHICAL DATA

Synchronous Speed 750r/min (8 Poles) 50Hz

| Type | | Output | | At full load | | | | Is/In | Ts/Tn | Tmax/Tn | Noise | Weight |
|----------|-------|--------|------|--------------|---------|------------|-------|-------|-------|---------|---------|--------|
| | | | | Speed | Current | Efficiency | Power | | | | | |
| | | KW | HP | r/min | A | % | COSΦ | | | | LwdB(A) | KG |
| HMI / Y2 | 80M1 | 0.18 | 0.25 | 630 | 0.9 | 51.2 | 0.61 | 3.3 | 1.8 | 1.9 | 60 | 17 |
| HMI / Y2 | 80M2 | 0.25 | 0.37 | 640 | 1.1 | 54.2 | 0.61 | 3.3 | 1.8 | 1.9 | 60 | 19 |
| HMI / Y2 | 90S | 0.37 | 0.5 | 660 | 1.5 | 62.2 | 0.61 | 4 | 1.8 | 1.9 | 64 | 23 |
| HMI / Y2 | 90L | 0.55 | 0.75 | 660 | 2.2 | 63.3 | 0.61 | 4 | 1.8 | 2 | 64 | 25 |
| HMI / Y2 | 100L1 | 0.75 | 1 | 690 | 2.4 | 71.2 | 0.67 | 4 | 1.8 | 2 | 67 | 33 |
| HMI / Y2 | 100L2 | 1.1 | 1.5 | 690 | 3.3 | 73.2 | 0.69 | 5 | 1.8 | 2 | 67 | 38 |
| HMI / Y2 | 112M | 1.5 | 2 | 680 | 4.4 | 75.3 | 0.69 | 5 | 1.8 | 2 | 69 | 50 |
| HMI / Y2 | 132S | 2.2 | 3 | 710 | 6 | 78.4 | 0.71 | 6 | 1.8 | 2 | 72 | 63 |
| HMI / Y2 | 132M | 3 | 4 | 710 | 7.9 | 79.2 | 0.73 | 6 | 1.8 | 2 | 72 | 79 |
| HMI / Y2 | 160M1 | 4 | 5.5 | 720 | 10.2 | 81.2 | 0.73 | 6 | 1.9 | 2 | 76 | 118 |
| HMI / Y2 | 160M2 | 5.5 | 7.5 | 720 | 13.6 | 83.3 | 0.74 | 6 | 2 | 2 | 76 | 119 |
| HMI / Y2 | 160L | 7.5 | 10 | 720 | 17.7 | 85.9 | 0.75 | 6 | 2 | 2 | 76 | 145 |
| HMI / Y2 | 180L | 11 | 15 | 730 | 25.1 | 87.8 | 0.76 | 6.6 | 2 | 2 | 78 | 184 |
| HMI / Y2 | 200L | 15 | 20 | 730 | 34 | 88.3 | 0.76 | 6.6 | 2 | 2 | 80 | 750 |
| HMI / Y2 | 225S | 18.5 | 25 | 730 | 40.9 | 90.4 | 0.76 | 6.6 | 1.9 | 2 | 80 | 266 |
| HMI / Y2 | 225M | 22 | 30 | 740 | 47.1 | 9 | 0.78 | 6.6 | 1.9 | 2 | 80 | 292 |
| HMI / Y2 | 250M | 30 | 40 | 740 | 63.2 | 91.3 | 0.79 | 6.6 | 1.9 | 2 | 82 | 405 |
| HMI / Y2 | 280S | 37 | 50 | 740 | 77.5 | 91.8 | 0.79 | 6.6 | 1.9 | 2 | 83 | 520 |
| HMI / Y2 | 280M | 45 | 60 | 740 | 93.7 | 92.4 | 0.79 | 6.6 | 1.9 | 2 | 82 | 592 |
| HMI / Y2 | 315S | 55 | 75 | 740 | 110.6 | 93.3 | 0.81 | 6.6 | 1.8 | 2 | 88 | 1000 |
| HMI / Y2 | 315M | 75 | 100 | 740 | 150.8 | 93.3 | 0.81 | 6.6 | 1.8 | 2 | 88 | 1100 |
| HMI / Y2 | 315L1 | 90 | 120 | 740 | 177.3 | 94.1 | 0.82 | 6.6 | 1.8 | 2 | 88 | 1160 |
| HMI / Y2 | 315L2 | 110 | 150 | 740 | 216 | 94.4 | 0.82 | 6.4 | 1.8 | 2 | 88 | 1230 |
| HMI / Y2 | 355M1 | 132 | 180 | 740 | 259.7 | 94.2 | 0.82 | 6.4 | 1.8 | 2 | 95 | 1600 |
| HMI / Y2 | 355M2 | 160 | 215 | 740 | 313.8 | 94.5 | 0.82 | 6.4 | 1.8 | 2 | 95 | 1700 |
| HMI / Y2 | 355L1 | 200 | 270 | 740 | 386.3 | 94.8 | 0.83 | 6.4 | 1.8 | 2 | 95 | 1800 |