

TYPE YD - LOW VOLTAGE (380V) SQUIRREL CAGE MOTORS



شرکت صنایع ماشینهای الکتریکی جوبین (جمکو)
Jovain Electrical Machines Industries Co.(JEMCO)

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TECHNICAL DATA

Type YD-LOW VOLTAGE(380) squirrel-cage motors - IM B35, Degree of protection IP 55, 50Hz
Selection and ordering data

| Type No. | Rated output | Frame size | Moment of inertia J | Performance at rated output | | | Rated current at 380 V | Rated torque | Locked-rotor torque | Locked-rotor current | Break-down torque | Weight approx |
|----------------------|--------------|------------|---------------------|-----------------------------|-------------------|-------------------------|------------------------|--------------|---------------------|----------------------|-------------------|---------------|
| | | | | Rated speed | Efficiency η | Power factor $\cos\phi$ | | | | | | |
| | | | | rev/min | % | A | Nm | rated torque | rated current | rated torque | kg | |
| 3000 rev/min - 2pole | | | | | | | | | | | | |
| YD1162-2A1 | 15 | 160M | 0.04 | 2932 | 89.7 | 0.89 | 29 | 49 | 2.2 | 7 | 2.8 | 120 |
| YD1161-2A1 | 18.5 | 160L | 0.05 | 2936 | 89.5 | 0.88 | 36 | 60 | 2.2 | 7 | 2.8 | 138 |
| YD1181-2A1 | 22 | 180M | 0.07 | 2940 | 89 | 0.88 | 43 | 71 | 2.2 | 7 | 2.8 | 187 |
| YD1201-2A1 | 30 | 200L | 0.135 | 2957 | 91 | 0.89 | 56 | 97 | 2.2 | 7 | 2.8 | 235 |
| YD1202-2A1 | 37 | 200L | 0.152 | 2955 | 91.5 | 0.88 | 70 | 120 | 2.2 | 7 | 2.8 | 240 |
| YD1221-2A1 | 45 | 225M | 0.229 | 2969 | 91.5 | 0.89 | 84 | 145 | 2.2 | 7 | 2.8 | 305 |
| YD1251-2A1 | 55 | 250M | 0.442 | 2970 | 92.2 | 0.88 | 103 | 177 | 2.2 | 7 | 2.8 | 407 |
| YD1281-2A1 | 75 | 280S | 0.769 | 2970 | 92 | 0.88 | 141 | 241 | 2.2 | 7 | 2.8 | 505 |
| YD1282-2A1 | 90 | 280M | 0.956 | 2981 | 92.5 | 0.89 | 166 | 288 | 2.2 | 7 | 2.8 | 625 |
| 1500 rev/min - 4pole | | | | | | | | | | | | |
| YD1161-4A1 | 15 | 160L | 0.052 | 1454 | 89.5 | 0.84 | 30 | 99 | 2.2 | 7 | 2.8 | 142 |
| YD1181-4A1 | 18.5 | 180M | 0.124 | 1473 | 91.0 | 0.88 | 35 | 120 | 2.2 | 7 | 2.8 | 189 |
| YD1182-4A1 | 22 | 180L | 0.138 | 1470 | 91.5 | 0.86 | 42 | 143 | 2.2 | 7 | 2.8 | 190 |
| YD1201-4A1 | 30 | 200L | 0.227 | 1468 | 92.5 | 0.87 | 57 | 195 | 2.2 | 7 | 2.8 | 282 |
| YD1221-4A1 | 37 | 225S | 0.457 | 1483 | 92.0 | 0.88 | 69 | 238 | 2.2 | 7 | 2.8 | 327 |
| YD1222-4A1 | 45 | 225M | 0.54 | 1481 | 92.5 | 0.88 | 84 | 290 | 2.2 | 7 | 2.8 | 360 |
| YD1251-4A1 | 55 | 250M | 0.821 | 1480 | 93.0 | 0.88 | 102 | 355 | 2.2 | 7 | 2.8 | 425 |
| YD1281-4A1 | 75 | 280S | 1.352 | 1486 | 93.5 | 0.89 | 137 | 482 | 2.2 | 7 | 2.8 | 600 |
| YD1282-4A1 | 90 | 280M | 1.522 | 1489 | 94.0 | 0.89 | 163 | 577 | 2.2 | 7 | 2.8 | 630 |
| 1000 rev/min - 6pole | | | | | | | | | | | | |
| YD1181-6A1 | 15 | 180L | 0.188 | 970 | 90.0 | 0.80 | 32 | 148 | 2.2 | 7 | 2.8 | 200 |
| YD1201-6A1 | 18.5 | 200L | 0.27 | 978 | 90.7 | 0.84 | 37 | 181 | 2.2 | 7 | 2.8 | 258 |
| YD1202-6A1 | 22 | 200L | 0.296 | 977 | 91.0 | 0.83 | 44 | 215 | 2.2 | 7 | 2.8 | 270 |
| YD1221-6A1 | 30 | 225M | 0.543 | 983 | 91.3 | 0.84 | 59 | 291 | 2.2 | 7 | 2.8 | 337 |
| YD1251-6A1 | 37 | 250M | 0.925 | 977 | 91.5 | 0.88 | 70 | 362 | 2.2 | 7 | 2.8 | 425 |
| YD1281-6A1 | 45 | 280S | 1.22 | 987 | 92.3 | 0.85 | 87 | 435 | 2.2 | 7 | 2.8 | 550 |
| YD1282-6A1 | 55 | 280M | 1.427 | 987 | 93.0 | 0.87 | 103 | 532 | 2.2 | 7 | 2.8 | 620 |



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