



## AM8052 | Servomotor 8.2 Nm (standstill torque)

| Data for 400 V AC                                       | AM8052-wFyz              | AM8052-wJyz             | AM8052-wLyz             |
|---|--------------------------|-------------------------|-------------------------|
| Standstill torque                                       | 8.20 Nm                  |                         |                         |
| Rated torque  | 7.50 Nm                  | 6.90 Nm                 | 5.40 Nm                 |
| Rated speed   | 2000 min <sup>-1</sup>   | 4000 min <sup>-1</sup>  | 7500 min <sup>-1</sup>  |
| Rated power   | 1.57 kW                  | 2.89 kW                 | 4.24 kW                 |
| Peak torque   | 35.0 Nm                  |                         |                         |
| Standstill current                                      | 3.30 A                   | 6.30 A                  | 11.3 A                  |
| Peak current  | 17.9 A                   | 33.6 A                  | 60.7 A                  |
| Torque constant   | 2.48 Nm/A                | 1.29 Nm/A               | 0.72 Nm/A               |
| Voltage constant  | 167 mV/min <sup>-1</sup> | 89 mV/min <sup>-1</sup> | 49 mV/min <sup>-1</sup> |
| Number of poles   | 8                        |                         |                         |
| Rotor moment of inertia                                 | 4.06 kgcm <sup>2</sup>   |                         |                         |
| Weight  | 6.60 kg                  |                         |                         |
| Holding torque brake (M <sub>br</sub> )                 | 9 Nm                     |                         |                         |
| Power consumption (brake) at 24 V DC (P <sub>br</sub> ) | 18 W                     |                         |                         |
| Rotor moment of inertia incl. brake (J)                 | 4.711 kgcm <sup>2</sup>  |                         |                         |
| Weight incl. brake (m)                                  | 7.40 kg                  |                         |                         |

| Order reference<br>AM80uv-wxyz |   |
|--------------------------------|---|
| u                              | flange code   |
| v                              | motor length  |
| w = 0                          | smooth shaft  |
| w = 1                          | shaft with groove and feather key according to DIN 6885   |
| w = 2                          | shaft with IP 65 sealing ring and smooth shaft  |
| w = 3                          | shaft with IP 65 sealing ring and shaft with groove and feather key   |
| x                              | winding code A...Z  |
| y = 0                          | 2-cable standard, feedback resolver   |
| y = 1                          | One Cable Technology for power and feedback: feedback transmission via motor cable, no feedback cable necessary, electronic identification plate, single-turn |
| y = 2                          | One Cable Technology for power and feedback: feedback transmission via motor cable, no feedback cable necessary, electronic identification plate, multi-turn  |
| z = 0                          | without holding brake   |
| z = 1                          | with holding brake  |
| z = A                          | forced cooling, without holding brake   |
| z = B                          | forced cooling, with holding brake  |