

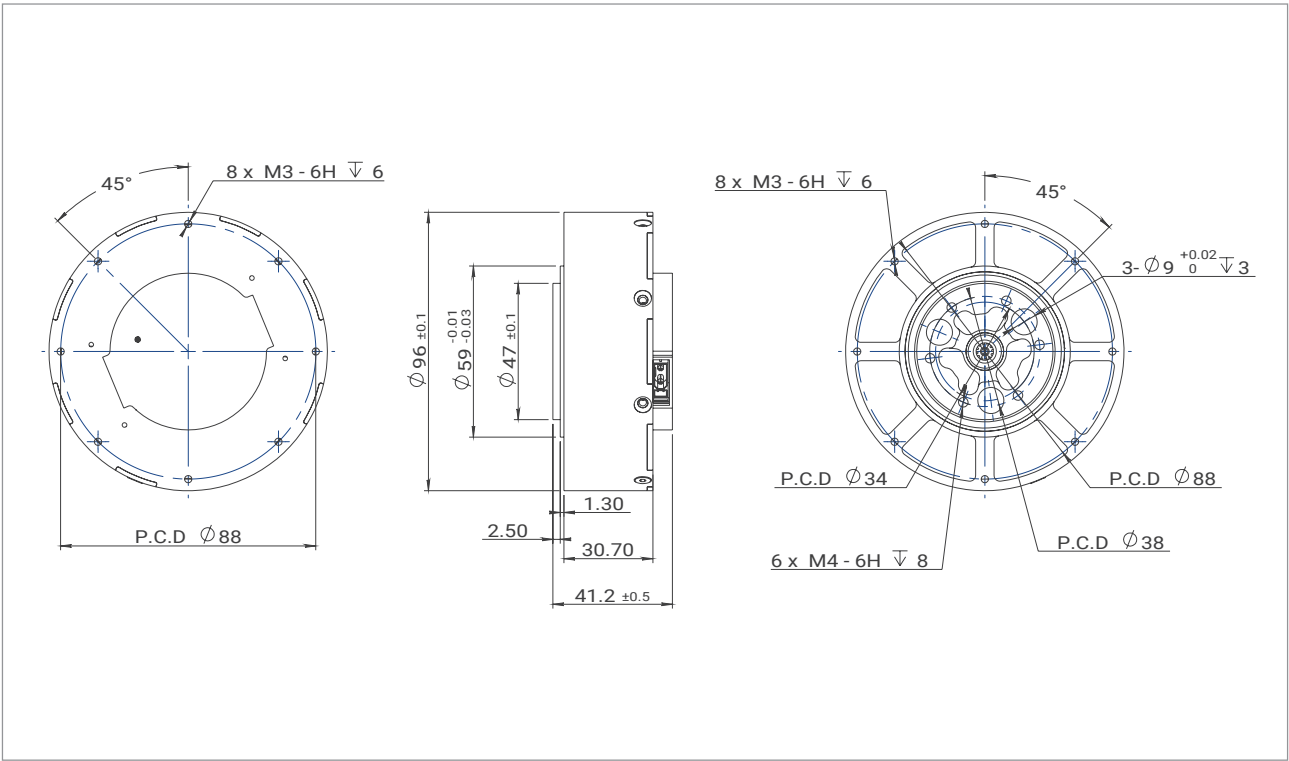
Series Name  
**RMD-X**  
Motor Simplified Name  
**X8-32**



Single Encoder

| Actuator Full Name | With Brake/Without Brake | Communication |
|--------------------|--------------------------|---------------|
| RMD-X8-P9-32-R     | N (without Brake)        | RS485         |

Installation Drawing



Product Parameters

| Parameters               | Unit               | X8-32                     |
|--------------------------|--------------------|---------------------------|
| Gear Ratio               | —                  | 9                         |
| Input Voltage            | V                  | 24                        |
| No Load Speed            | RPM                | 277                       |
| No-Load Input Current    | A                  | 0.9                       |
| Rated Speed              | RPM                | 244                       |
| Rated Torque             | N.m                | 8                         |
| Rated Output Power       | W                  | 204                       |
| Rated Phase Current      | A(rms)             | 6.2                       |
| Peak Torque              | N.m                | 32                        |
| Peak Phase Current       | A(rms)             | 30                        |
| Efficiency               | %                  | 82                        |
| Motor Back-EMF Constant  | Vdc/Krpm           | 10.9                      |
| Module Torque Constant   | N.m/A              | 1.3                       |
| Phase Resistance         | Ω                  | 0.13                      |
| Phase Inductance         | mH                 | 0.081                     |
| Pole Pair                | —                  | 21                        |
| 3 Phase Connection       | —                  | △                         |
| Back Drive Torque        | N.m                | 0.8                       |
| Backlash                 | Arcmin             | 8                         |
| Output Bearing Type      | —                  | Deep Groove Ball Bearings |
| Axial Load               | Tensile load       | KN                        |
|                          | Compressive load   | KN                        |
| Radial Load              | KN                 | 2                         |
| Inertia                  | Kg.cm <sup>2</sup> | 1.43                      |
| Encoder Type & Interface | —                  | Single Encoder ABS-18BIT  |
| Control Accuracy         | Degree             | <0.01                     |
| Communication            | —                  | RS485                     |
| Weight                   | Kg                 | 0.55                      |
| Insulation Grade         | —                  | F                         |

Stall Torque Data

|       | Torque (N.m) | Temperature Rise (°C) | Stall Time (s) | Phase Current (Arms) |
|-------|--------------|-----------------------|----------------|----------------------|
| X8-32 | 15.6         | 6                     | 10             | 18.4                 |
|       | 18           | 11                    | 8              | 21.2                 |
|       | 24           | 36                    | 5              | 29                   |
|       | 30           | 54                    | 3              | 38.2                 |