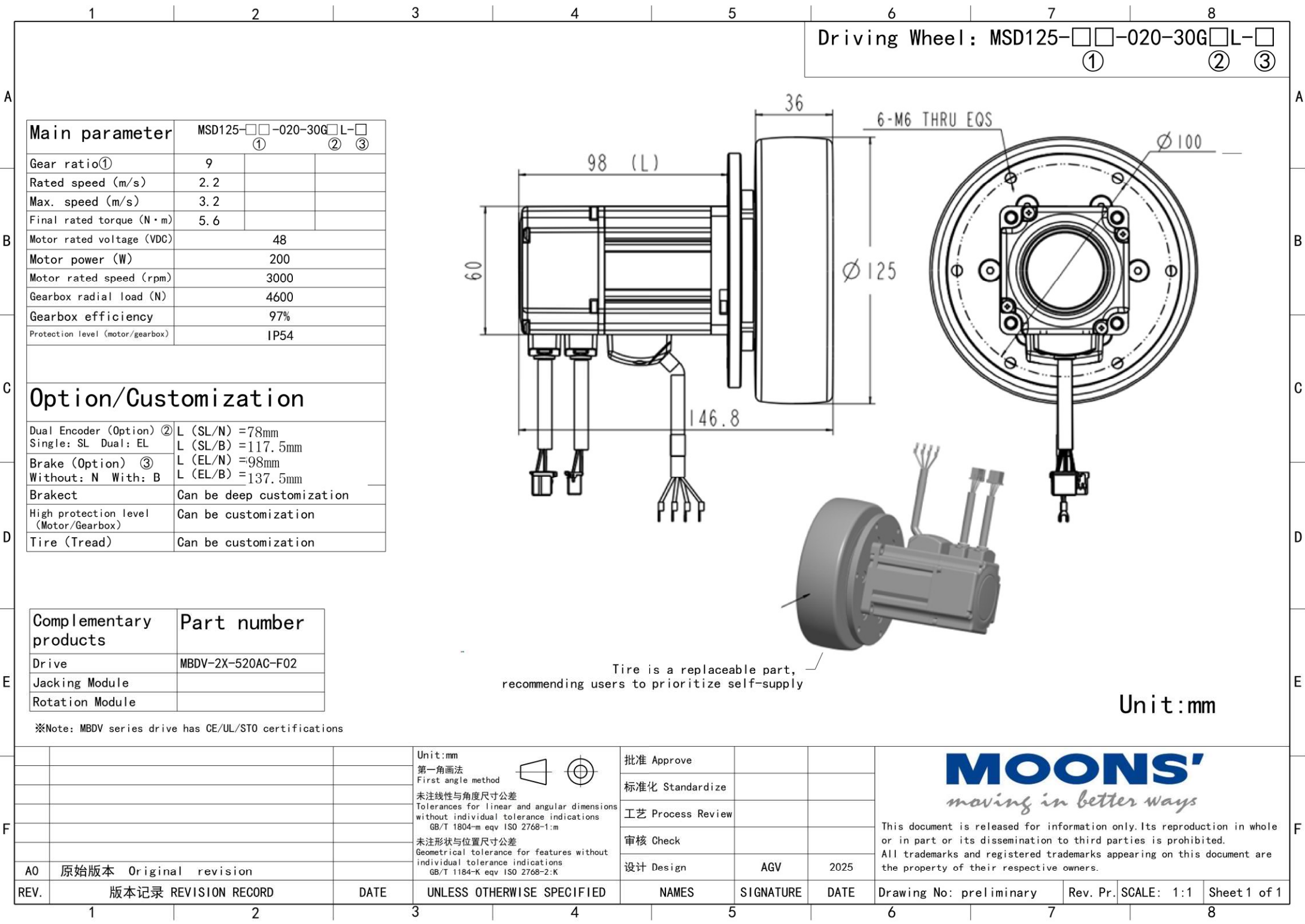




| Main parameter                   | MSD125-□□-020-30G□L-□ |   |   |
|----------------------------------|-----------------------|---|---|
|                                  | ①                     | ② | ③ |
| Gear ratio①                      | 9                     |   |   |
| Rated speed (m/s)                | 2.2                   |   |   |
| Max. speed (m/s)                 | 3.2                   |   |   |
| Final rated torque (N·m)         | 5.6                   |   |   |
| Motor rated voltage (VDC)        | 48                    |   |   |
| Motor power (W)                  | 200                   |   |   |
| Motor rated speed (rpm)          | 3000                  |   |   |
| Gearbox radial load (N)          | 4600                  |   |   |
| Gearbox efficiency               | 97%                   |   |   |
| Protection level (motor/gearbox) | IP54                  |   |   |

### Option/Customization

|                                       |                           |
|---------------------------------------|---------------------------|
| Dual Encoder (Option) ②               | L (SL/N) =78mm            |
| Single: SL Dual: EL                   | L (SL/B) =117.5mm         |
| Brake (Option) ③                      | L (EL/N) =98mm            |
| Without: N With: B                    | L (EL/B) =137.5mm         |
| Brakect                               | Can be deep customization |
| High protection level (Motor/Gearbox) | Can be customization      |
| Tire (Tread)                          | Can be customization      |

| Complementary products | Part number       |
|------------------------|-------------------|
| Drive                  | MBDV-2X-520AC-F02 |
| Jacking Module         |                   |
| Rotation Module        |                   |

Tire is a replaceable part, recommending users to prioritize self-supply

※Note: MBDV series drive has CE/UL/STO certifications

Unit:mm  
第一角画法  
First angle method  
未注线性与角度尺寸公差  
Tolerances for linear and angular dimensions without individual tolerance indications  
GB/T 1804-m eqv ISO 2768-1:m  
未注形状与位置尺寸公差  
Geometrical tolerance for features without individual tolerance indications  
GB/T 1184-K eqv ISO 2768-2:K

|                   |     |      |
|-------------------|-----|------|
| 批准 Approve        |     |      |
| 标准化 Standardize   |     |      |
| 工艺 Process Review |     |      |
| 审核 Check          |     |      |
| 设计 Design         | AGV | 2025 |

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| REV. | 版本记录 REVISION RECORD | DATE | UNLESS OTHERWISE SPECIFIED | NAMES | SIGNATURE | DATE | Drawing No: preliminary | Rev. Pr. | SCALE: 1:1 | Sheet 1 of 1 |
|------|----------------------|------|----------------------------|-------|-----------|------|-------------------------|----------|------------|--------------|
|------|----------------------|------|----------------------------|-------|-----------|------|-------------------------|----------|------------|--------------|