

**Technical data sheets BMW Motorrad**

 Stand: 17.06.2021  
 Status: Approved

MJ 2022 ECE

|                                                    | BMW CE 04 A2 variant                                                                                                                                                                                             | BMW CE 04 A1 variant                                                                                                                                                                                             |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engine</b>                                      |                                                                                                                                                                                                                  |                                                                                                                                                                                                                  |
| Type                                               | permanent magnet, liquid-cooled synchronous motor                                                                                                                                                                | permanent magnet, liquid-cooled synchronous motor                                                                                                                                                                |
| Rated capacity                                     | 15 kW (20 HP) (driving license class A2 / A)                                                                                                                                                                     | 11 kW (15 HP) (driving license class A1)                                                                                                                                                                         |
| Maximum power                                      | 31 kW (42 hp) at 4,900 rpm                                                                                                                                                                                       | 23 kW (31 hp) at 4,900 rpm                                                                                                                                                                                       |
| Max. Torque                                        | 62 Nm                                                                                                                                                                                                            | 62 Nm                                                                                                                                                                                                            |
| CO2 Emission                                       | 0 g/km                                                                                                                                                                                                           | 0 g/km                                                                                                                                                                                                           |
| <b>Electrical System</b>                           |                                                                                                                                                                                                                  |                                                                                                                                                                                                                  |
| Traction battery                                   | Traction storage with high-voltage technology integrated in the vehicle underbody, central air cooling, permanently installed battery module, 40 lithium-ion battery cells, 6.3kWh                               | Traction storage with high-voltage technology integrated in the vehicle underbody, central air cooling, permanently installed battery module, 40 lithium-ion battery cells, 6.3kWh                               |
| Battery voltage                                    | 148 V                                                                                                                                                                                                            | 148 V                                                                                                                                                                                                            |
| Charging power                                     | 2.3 kW or 6.9 kW (optional extra fast charger), integrated, water-cooled                                                                                                                                         | 2.3 kW or 6.9 kW (optional extra fast charger), integrated, water-cooled                                                                                                                                         |
| Charging technology                                | Charging socket on vehicle type 2 (not US and CN); Charging cable with country-specific power plug                                                                                                               | Charging socket on vehicle type 2 (not US and CN); Charging cable with country-specific power plug                                                                                                               |
| Charging time * (series)                           | approx. 4h: 20min for 0-100%; 3h: 30 min for 0-80%                                                                                                                                                               | approx. 3h: 20min for 0-100%; 2h: 25 min for 0-80%                                                                                                                                                               |
| Charging time * SA quick charger                   | approx. 1h: 40 min for 0-100%; 1h: 05 min for 0-80%                                                                                                                                                              | approx. 1h: 10min for 0-100%; 50min for 0-80%                                                                                                                                                                    |
| Secondary battery                                  | 12V / 5 Ah maintenance-free                                                                                                                                                                                      | 12V / 5 Ah maintenance-free                                                                                                                                                                                      |
| * temperature and charge dependent on power        |                                                                                                                                                                                                                  |                                                                                                                                                                                                                  |
| <b>Performance</b>                                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                  |
| Top speed                                          | 120 km / h (electronically limited)                                                                                                                                                                              | 120 km / h (electronically limited)                                                                                                                                                                              |
| Acceleration 0-50 km / h                           | approx. 2.6 s                                                                                                                                                                                                    | approx. 2.7 s                                                                                                                                                                                                    |
| Consumption of electrical energy according to WMTC | 7.7 kWh per 100km                                                                                                                                                                                                | 7.7 kWh per 100km                                                                                                                                                                                                |
| Range according to WMTC                            | 130 km                                                                                                                                                                                                           | 100 km                                                                                                                                                                                                           |
| Recuperation                                       | automatic recuperation in overrun mode                                                                                                                                                                           | automatic recuperation in overrun mode                                                                                                                                                                           |
| <b>Power transmission</b>                          |                                                                                                                                                                                                                  |                                                                                                                                                                                                                  |
| Secondary drive                                    | Drive unit swing arm, toothed belt and gearbox with fixed transmission                                                                                                                                           | Drive unit swing arm, toothed belt and gearbox with fixed transmission                                                                                                                                           |
| <b>Chassis / brakes</b>                            |                                                                                                                                                                                                                  |                                                                                                                                                                                                                  |
| Frame                                              | Steel - double loop frame                                                                                                                                                                                        | Steel - double loop frame                                                                                                                                                                                        |
| Front suspension / suspension elements             | Single bridge telescopic fork with 100mm travel                                                                                                                                                                  | Single bridge telescopic fork with 100mm travel                                                                                                                                                                  |
| Rear wheel guidance / suspension elements          | Single-sided swing arm / central spring strut with 92 mm suspension travel                                                                                                                                       | Single-sided swing arm / central spring strut with 92 mm suspension travel                                                                                                                                       |
| Wheelbase                                          | 1,675 mm                                                                                                                                                                                                         | 1,675 mm                                                                                                                                                                                                         |
| Castor                                             | 120 mm                                                                                                                                                                                                           | 120 mm                                                                                                                                                                                                           |
| Steering head angle                                | 63.5 °                                                                                                                                                                                                           | 63.5 °                                                                                                                                                                                                           |
| Wheels                                             | Cast aluminum wheels (spoke wheel or disc wheel optics)                                                                                                                                                          | Cast aluminum wheels (spoke wheel or disc wheel optics)                                                                                                                                                          |
| Rim, front                                         | 3.5 "x 15"                                                                                                                                                                                                       | 3.5 "x 15"                                                                                                                                                                                                       |
| Rim, rear                                          | 4.50 x 15 "                                                                                                                                                                                                      | 4.50 x 15 "                                                                                                                                                                                                      |
| Tyre, front                                        | 120/70 R 15                                                                                                                                                                                                      | 120/70 R 15                                                                                                                                                                                                      |
| Tyre, rear                                         | 160/60 R 15                                                                                                                                                                                                      | 160/60 R 15                                                                                                                                                                                                      |
| Brake, front                                       | Double disc brake 265 mm (4 piston fixed caliper)                                                                                                                                                                | Double disc brake 265 mm (4 piston fixed caliper)                                                                                                                                                                |
| Brake, rear                                        | Single disc brake 265 mm (1 piston floating caliper)                                                                                                                                                             | Single disc brake 265 mm (1 piston floating caliper)                                                                                                                                                             |
| ABS                                                | BMW Motorrad ABS                                                                                                                                                                                                 | BMW Motorrad ABS                                                                                                                                                                                                 |
| <b>Dimensions / weights</b>                        |                                                                                                                                                                                                                  |                                                                                                                                                                                                                  |
| Seat height with empty weight                      | 780 mm (optional extra comfort seat 800 mm)                                                                                                                                                                      | 780 mm (optional extra comfort seat 800 mm)                                                                                                                                                                      |
| Step arc length with empty weight                  | 1,810 mm (optional extra comfort seat 1,856 mm)                                                                                                                                                                  | 1,810 mm (optional extra comfort seat 1,856 mm)                                                                                                                                                                  |
| Length                                             | 2,285 mm                                                                                                                                                                                                         | 2,285 mm                                                                                                                                                                                                         |
| Height measured above windshield (standard)        | 1,150 mm                                                                                                                                                                                                         | 1,150 mm                                                                                                                                                                                                         |
| Width (over mirror)                                | 855 mm                                                                                                                                                                                                           | 855 mm                                                                                                                                                                                                           |
| Unladen weight ready to drive ECE                  | 231 kg                                                                                                                                                                                                           | 231 kg                                                                                                                                                                                                           |
| maximum weight allowed                             | 410 kg                                                                                                                                                                                                           | 410 kg                                                                                                                                                                                                           |
| Payload (with standard equipment)                  | 179 kg                                                                                                                                                                                                           | 179 kg                                                                                                                                                                                                           |
| <b>Equipment (in parts)</b>                        |                                                                                                                                                                                                                  |                                                                                                                                                                                                                  |
| Standard equipment                                 | 10.25 inch display, connectivity, keyless ride, BMW Motorrad ABS, ASC, riding modes, reversing aid, full LED headlights, ventilated storage compartment with USB-C, illuminated side loading storage compartment | 10.25 inch display, connectivity, keyless ride, BMW Motorrad ABS, ASC, riding modes, reversing aid, full LED headlights, ventilated storage compartment with USB-C, illuminated side loading storage compartment |
| Optional equipment (OE)                            | Quick charger, DWA, main stand, RDC, heated grips, high windshield                                                                                                                                               | Quick charger, DWA, main stand, RDC, heated grips, high windshield                                                                                                                                               |
| Optional accessories (OA)                          | Topcase, luggage rack, side bag and holder, sticker kit, quick charging cable                                                                                                                                    | Topcase, luggage rack, side bag and holder, sticker kit, quick charging cable                                                                                                                                    |

**Relevant dimensions refer to the DIN template**
**1) According to directive VO (EU) 168/2013 with all operating resources, with standard equipment and filled with at least. 90% of the usable tank volume.  
 (only SA-USPs versus competition)**