

XR15-W ULTRA COMPACT IN WHEEL AGV MOTOR

XR15-W
PMW Dynamics XR15-W wheel hub motor for AGV



- Direct Drive
- 8Nm of torque (13Nm peak) and 450rpm
- Suitable for a wide range of wheels and tyres.
- Integrated encoder and thermal sensor
- 130mm diameter wheel



PRODUCT DESCRIPTION

The XR15-W Integrated Wheel Motor from PMW Dynamics is designed to be a natural fit for automated warehousing. Engineered to fit the unique demands of warehouse environments, the XR15-W represents a leap forward in compact design and effortless integration. The 48V volt unit is supplied in its IP54 housing and can be easily added to a customer's application. The XR15-W is also supplied with an internal encoder so simply needs to connect to the customer's preferred drive solution to have an operational motor within minutes.

Typical applications include, Medical patient trolley, AGV or AMR in automated warehouses.

TECHNICAL DATA

| | |
|---------------------------|-------------|
| Diameter | 130 mm |
| Peak torque | 13 |
| Permitted axial load | 100 kg |
| Permitted radial load | 65 kg |
| Rated continuous current | 12 A |
| Rated power output | 486 W |
| Rated speed | 580 rpm |
| Rated terminal voltage | 42 V |
| Torque constant | 0.56 Nm/A |
| Torque constant $\pm 5\%$ | 0.56 N/cm/A |