Product Overview

Project:	TY-350G
Report No.:	1874953
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Approved By:	Carlos Garcia

Location: Plant 3A | Date: 2024-12-26

This section details the configuration and parameter set for the product. The parameter register below includes operating limits and ratings. Entries include both mechanical and electrical specifications. Check that all material specs align with supplier certifications. This report extract is prepared for design-verification audits. Below are the technical parameters and construction materials for the unit. All data entries are traceable to design revision history.

Unit Type	Pneumatic Control Unit	**Design Pressure**	180 bar
Flow Rate	30 L/min	**Voltage**	230 V / 50 Hz
Dimensions (LxWxH)	1200 x 700 x 1100 mm	**Mounting**	Rack frame
Motor Power	5.5 kW	**Pump Type**	Gear Pump
Filtration	5 µm inline, 10 µm return	**Noise Level**	≤ 68 dB(A)
Oil Type	HLP 32	**Protection Class**	IP67
Frame Material	Powder-coated Steel	**Cooling**	Air-cooled oil radiator
Control Valve	Proportional 4/2	**Charging Time**	6 h
Total Weight	180 kg	**Working Temp. Range**	5°C to 45°C
Service Interval	1000 h	**Reservoir Capacity**	160 L
Battery Capacity	5 Ah		

Material of Construction:

Part	Composition
Thermal Fuse	Ceramic Oxide
Connector 2P	Glass-Filled Nylon
Wiring Loom 1m	PVC (Rigid)
Gasket Sheet A4	Nitrile Rubber (NBR)
Power Switch	Polycarbonate + Copper
Hex Bolts M12	Zinc-Plated Steel
O-Ring NBR 60mm	Nitrile Rubber (NBR)
Nut M6	Zinc-Plated Steel
Digital Display Unit	ABS Plastic
Rubber Gasket 80mm	Nitrile Rubber (NBR)
Wooden Pallet	Treated Pine Wood
Insulated Tube 25mm	Thermoplastic Polyurethane (TPU)