

Technical File

Commander VoltDrive Electric Hose Reel

12 V DC motorised hose reel · COMMANDER.VOLTDRIVE.RHW · COMMANDER.VOLTDRIVE.LHW

Document	Technical file TF-VD-001
Product	Cleanlynk Commander VoltDrive Electric Hose Reel
Models	COMMANDER.VOLTDRIVE.RHW (right-hand wind) COMMANDER.VOLTDRIVE.LHW (left-hand wind)
Manufacturer	Cleanlynk Ltd, Unit 2, Trench Lock 3, Sommerfield Road, Telford, Shropshire, TF1 5ST, United Kingdom
EU authorised representative	To be appointed before any sales into Northern Ireland, Ireland or the EU
Revision	Issue 8, 28 September 2026
Status	Issued. Evidence still to be completed is tracked in section 10.
Prepared by	Thomas Andrew Luter, Managing Director, Cleanlynk Ltd
Approved by	Thomas Andrew Luter, Managing Director, Cleanlynk Ltd

About this file. This is Cleanlynk's technical file for the Commander VoltDrive. It is confidential: it names the supplier and records evidence still to be completed. Customers receive the customer pack (the instructions and Declaration of Conformity in sections 7 and 5), not this file.

Revision history

Revision	Date	Change
Drafts 1 to 5	24 September 2026	Scope, risk assessment, Annex I checklist, instructions, EMC scope, evidence register, supplier certificates and product data compiled
Issue 1	24 September 2026	Released. DoC signed with EN IEC 55014-1, EN ISO 13854 and EN IEC 63000 held back; no EU representative until NI or EU sales; wiring schematic and contact details added; customer pack issued
Issues 2, 3	28 September 2026	GA drawing, unit photo and push-button certificate added; 23.5 mm gap flagged (row 22); isolator removed from the diagram and instructions. Customer pack Issue 2
Issue 4	28 September 2026	Risk assessment gains a Now (as shipped) column; pressure-washer use excluded and 35 bar declared until the swivel proof test is held; noise restated. Customer pack Issue 3
Issue 5	28 September 2026	PDI introduced (form PDI-VD-001): 25 A fuse fitted by Cleanlynk in place of the supplied 30 A (closes row 8). Customer pack Issue 4
Issue 6	28 September 2026	25 mm minimum flange-to-guard gap and rear serial labels agreed with JinJinYao for the next batch; both added to the PDI (Issue 2). Customer pack unchanged
Issues 7, 8	28 September 2026	Window cleaning kit contents recorded and photographed (Rectus 26 coupling, hose clips, PTFE, M12 × 70 fixings, P-clip); drum-outlet barb fitted by Cleanlynk at PDI. Customer pack Issue 6; PDI Issue 4

This technical file is kept by Cleanlynk Ltd and held by Thomas Andrew Luter, Managing Director. It is made available on request to market surveillance authorities and, once appointed, to the EU authorised representative.

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1. Product description

1.1 General description

The Cleanlynk Commander VoltDrive is a grade 304 stainless steel, motor-driven hose reel for water-fed pole window cleaning systems, installed in a van or on a system frame. The supplier states the reel is suitable for pressure washers to 275 bar; that use is excluded from the instructions until the swivel proof test backs it (3.7, 10.3).

- **Drive:** a 12 V DC 250 W brushed motor (rated current 20.8 A, stall current 100 A, continuous duty) turns the drum through a chain and sprockets. The chain guard is part of the reel's structure and can't be removed without tools and significant dismantling. The chain needs no lubrication or tensioning.
- **Control:** a single shrouded hold-to-run push button, positioned clear of the drum. The motor runs only while the button is held. There are no other electrics. The button claims no IP rating, and no isolator switch is fitted.
- **Power:** from the system's own 12 V leisure battery (not the vehicle's electrical system), through an inline fuse at the battery end of the positive lead. The reel arrives with a 30 A fuse; Cleanlynk replaces it with a 25 A fuse of the same type at pre-delivery inspection (section 8) so the fuse protects the 2.5 mm² cable. The lead is 2 m of 2.5 mm² twin cable with a black outer sheath and red (positive) and black (negative) cores.
- **Hose handling:** hose feeds on and off through a roller guide (opening about 100 mm, 4 in). A non-adjustable clutch/brake limits drum overrun when hose is pulled out. A hose stop, machined by JinJinYao, is supplied, and the instructions require it to be fitted.
- **Water path:** swivel inlet machined by JinJinYao and stated as 275 bar (4000 psi) and 120 °C. There is no datasheet, so the rating is to be proven by test. The hose connects to the drum's 3/8" BSP female outlet with a hose barb that Cleanlynk fits before dispatch. The supply is connected at the swivel with a Rectus 26 quick-release coupling from the kit. Declared maximum water temperature 80 °C.
- **Manual operation:** a backup handle is stowed during normal use and screwed onto a threaded boss only after a motor failure (right side on RHW, left side on LHW).
- **Performance:** rewinds about 100 m in 35 seconds (about 2.9 m/s on average). Mass 15 kg empty. Operating temperature -10 °C to +40 °C.

A photo of a production unit and the supplier's general arrangement drawing are in Appendix B.

1.2 Models, kits and supplier cross-reference

Model	Description
COMMANDER.VOLTDRIVE.RHW	Right-hand wind; backup handle thread on the right side
COMMANDER.VOLTDRIVE.LHW	Left-hand wind; backup handle thread on the left side

The reel is sold with the window cleaning connection kit (35 bar, 100 °C) for water-fed pole systems. A Cleanlynk high-pressure connection kit (275 bar, 100 °C) exists for pressure washers, but the instructions exclude that use until the swivel proof test is held; it isn't to be supplied with the reel until then. One Declaration of Conformity and one technical file cover both models.

Supplier cross-reference (internal only). The reel is made by Shanghai JinJinYao Industrial Co., Ltd as model E HOSEREEL 120 190 433 A SS (12 V electric stainless steel hose reel). Cleanlynk places it on the market under its own name, so Cleanlynk is the manufacturer for compliance purposes. Cleanlynk makes no changes to the reel. It adds the connection kit, the instructions, the Declaration of Conformity and, unless they are fitted at the factory, the rating plate and labels. This cross-reference stays in the file; it isn't printed on the DoC, the instructions or the product.

1.3 Main components

Component	Description	Maker and evidence
Body, drum, mounting plates	Stainless steel, grade 304	JinJinYao
Motor	12 V DC, 250 W, brushed; rated current 20.8 A; stall current 100 A; continuous duty (100%)	Yongkang Haocheng Motor Co., Ltd, MY series. EMC certificate MOSTCN19091725 held (Appendix A)
Transmission	Chain and sprockets inside an integral chain guard on the drive side; maintenance-free. Flange-to-guard gap 23.5 mm on the current drawing; 25 mm minimum agreed from the next batch (3.7)	JinJinYao (Appendix B)
Control	Hold-to-run push button, shrouded, clear of the drum; no IP rating claimed	Kenaida Electric Co., Ltd, LA167-B4 or -B5 (variant to confirm). Certificate to EN 60947-5-1 held (Appendix A); no current rating
Supply cable	2.5 mm ² twin core, 2 m; black sheath; red positive, black negative; PVC flexible cable	Yuyao Shanglin Electrical Appliance Co., Ltd. CCC certificate 2026010105860681 held (Appendix A)
Fuse	Inline, at the battery end of the positive lead. Supplied as 30 A; changed to 25 A of the same type by Cleanlynk at PDI	Generic; Cleanlynk modification (section 8)
Swivel inlet	Machined by JinJinYao; stated 275 bar (4000 psi) and 120 °C; no datasheet	JinJinYao
Drum outlet	3/8" BSP female thread	JinJinYao
Roller guide	Guides hose on and off the drum; opening about 100 mm	JinJinYao
Clutch/brake	Limits overrun on pull-out; not adjustable	JinJinYao
Backup handle	Threaded; stowed off the reel; RHW right side, LHW left side	JinJinYao
Hose stop	Machined by JinJinYao; supplied; fitting required by the instructions	JinJinYao (no datasheet; checked at goods-in)
Drum-outlet barb	Screwed into the 3/8" BSP outlet by Cleanlynk at PDI	Cleanlynk
Window cleaning kit	Rectus 26 coupling (female 1/2" BSPT, male 13 mm barb; 35 bar, 100 °C), 2 hose clips, PTFE tape, 4 × M12 × 70 grade 8.8 set screws with nylocs, washers and 40 mm plate washers, P-clip with M6 bolt and wing nut (Appendix B.3). High-pressure kit withheld	Cleanlynk; Rectus data to file

1.4 Technical data

Supply	12 V DC, from the system's leisure battery
Motor	250 W; rated current 20.8 A; stall current 100 A; continuous duty (100%)
Fuse	25 A inline at the battery (fitted by Cleanlynk at PDI; supplied as 30 A)
Supply cable	2.5 mm ² twin, 2 m (see 3.7)
Control	Hold-to-run push button (Kenaida LA167), shrouded; no IP rating; current rating unknown (3.7). No isolator fitted
Rewind speed	About 100 m in 35 seconds (about 2.9 m/s average)
Hose capacity	100 m of 6 mm or 8 mm microbore/minibore hose, or up to 50 m of 3/8" 1-wire high-pressure hose
Drum outlet	3/8" BSP female
Max inlet pressure	Declared 35 bar; 275 bar stated by JinJinYao, unproven
Swivel temperature rating	120 °C, stated by JinJinYao (no datasheet)
Connection kit	Rectus 26 coupling, 35 bar, 100 °C (supplied); high-pressure kit 275 bar (withheld)
Declared max water temperature	80 °C
Mass; temperature; noise	~15 kg empty; -10 °C to +40 °C; no IP rating declared; 70 dB(A), K = 3 dB (row 20)
Dimensions; fixing	Frame 300 mm wide, feet 263 mm apart, drum 190 mm between flanges; four M12 points

2. Legislation, standards and market access

2.1 What applies

Topic	Great Britain	Northern Ireland and ROI	Route
Machinery	Supply of Machinery (Safety) Regulations 2008	Directive 2006/42/EC until 19 January 2027; Regulation (EU) 2023/1230 from 20 January 2027	Not an Annex IV machine: internal checks on manufacture (Annex VIII), CE marking, Declaration of Conformity. No notified body.
Electromagnetic compatibility	Electromagnetic Compatibility Regulations 2016	Directive 2014/30/EU	Internal production control. Emissions to EN IEC 55014-1; immunity to EN IEC 55014-2, Category I (no testing). See 2.3.
Hazardous substances (RoHS)	RoHS Regulations 2012	Directive 2011/65/EU, as amended by (EU) 2015/863	Internal production control. Technical documentation to EN IEC 63000:2018.
WEEE (not CE)	WEEE Regulations 2013 (UK-wide)	NI: UK WEEE Regulations 2013. ROI: separate Irish registration under Directive 2012/19/EU	Crossed-out wheellie bin with bar on the reel; producer registration.
REACH (not CE)	UK REACH	EU REACH	Declare any SVHC above 0.1%; Annex XVII phthalate restriction for PVC parts (cable, kit hoses).

2.2 What doesn't apply

Legislation	Why not
Low voltage: Electrical Equipment (Safety) Regulations 2016; Directive 2014/35/EU	Applies from 75 V DC (50 V AC). The reel runs at 12 V DC, and electrical risks are covered under machinery EHSR 1.5.1. Don't list it on the DoC.
Radio equipment: Radio Equipment Regulations 2017; Directive 2014/53/EU	No radio functions: the only control is a wired push button.
Pressure equipment: Pressure Equipment (Safety) Regulations 2016; Directive 2014/68/EU	The water path is small-bore piping for water. At 275 bar it falls under sound engineering practice (Article 4(3)), below Category I, and pressure equipment in machinery that would be classified no higher than Category I is excluded (Article 1(2)(f)). No PED marking.
Vehicle EMC type-approval (UN Regulation No. 10)	Outside scope: powered independently of the vehicle and operated only when it's parked. See 2.3.

2.3 EMC scope statement

EMC scope. The VoltDrive is installed in vehicles as part of a water-fed pole or pressure-washing system. It is powered from the system's own 12 V leisure battery, not from the vehicle's electrical system or wiring harness; it is operated only when the vehicle is parked; and it is not related to any vehicle function listed in paragraph 2.12 of UN Regulation No. 10. It is therefore considered outside the scope of UN Regulation No. 10 and assessed under Directive 2014/30/EU alone: emissions to EN IEC 55014-1:2021, and immunity to EN IEC 55014-2:2021, Category I (no electronic control circuitry, deemed to comply without testing).

Basis

- European Commission guidance "Application of EMC Directive and/or EU legislation on vehicles (for vehicle equipment)", 18 January 2025. Aftermarket equipment within the scope of UN R10 but not related to immunity-related functions (category D) needs an EMC Directive DoC showing the R10 paragraph 3.2.9 limits. Equipment outside categories A to D (category E) needs the EMC Directive only.
- Conformance Ltd's summary of the automotive EMC rules: equipment that only operates when the vehicle is parked, or is powered independently, is excluded.
- If a customer charges the leisure battery from the vehicle (split-charge relay or DC-DC charger), the reel still operates only with the vehicle parked.

- Motor EMC certificate MOSTCN19091725 is supporting evidence only: it covers the motor alone, at 36 V DC, to superseded editions (EN 55014-1:2017, EN 55014-2:2015). The finished reel is tested at 12 V.

2.4 Market access: GB, NI and ROI

- **Great Britain:** CE marking continues to be recognised for machinery, EMC and RoHS. The government intends to update the Supply of Machinery (Safety) Regulations 2008 to reflect key elements of the EU Machinery Regulation, so watch for changes.
- **Northern Ireland:** EU product rules apply under the Windsor Framework. Article 4 of the Market Surveillance Regulation (EU) 2019/1020 requires an economic operator established in NI or the EU to be responsible for compliance tasks. A GB business can't act as the importer for NI; only businesses established in NI or the EEA can.
- **Republic of Ireland:** the same Article 4 requirement applies. The responsible operator's name and contact details must be on the product, its packaging, the parcel or an accompanying document.
- **Action:** before any sales into NI or ROI, appoint one EU-established authorised representative, ideally in Ireland, to cover both. Their details go on the DoC, rating plate and instructions. Under Directive 2006/42/EC the DoC must also name a person established in the EU who is authorised to compile the technical file.
- **Signatory:** Thomas Andrew Luter, Managing Director, signs the DoC for Cleanlynk Ltd as manufacturer and compiles and holds this file in the UK. The EU authorised representative has to be a separate person or company established in the EU; a GB-based manufacturer or director can't fill that role.

2.5 Machinery Regulation from 20 January 2027

- Regulation (EU) 2023/1230 replaces Directive 2006/42/EC from 20 January 2027, with no transition for new placings. Units placed on the market up to 19 January 2027 take the Directive DoC in section 5; units placed from 20 January 2027 need an EU DoC under the Regulation. Move all new units to it from that date.
- The Regulation applies directly in Northern Ireland. GB will continue to recognise CE-marked products that meet it.
- The reel isn't in the Regulation's high-risk categories, so internal production control applies and no notified body is needed.
- The risk assessment and Annex I checklist map across to the Regulation's Annex III. Its new requirements on software, connectivity and protection against corruption don't apply: the reel has no electronics.

2.6 Sources

- EU-OSHA, Regulation 2023/1230/EU – machinery: osha.europa.eu/en/legislation/directive/regulation-20231230eu-machinery
- IBF Solutions, New Machinery Regulation: ibf-solutions.com/en/seminars-and-news/news/new-machinery-regulation
- Make UK, Machinery safety regulation is changing again (May 2026): makeuk.org/insights/blogs/machinery-safety-regulation-changing-again-what-uk-manufacturers-need-know-now
- Gowling WLG, UK machinery legislation: what the Government's response means (March 2026): gowlingwlg.com/en/insights-resources/articles/2026/uk-machinery-legislation-what-the-governments-response-means-for-advanced-manufacturing
- European Commission, Application of EMC Directive and/or EU legislation on vehicles (18 January 2025): ec.europa.eu/docsroom/documents/64774
- Conformance Ltd, Automotive EMC Directive information: conformance.co.uk/ce-legislation-information/automotive-electromagnetic-compatibility-directive
- Commission Directive 2004/104/EC, recitals: legislation.gov.uk/eudr/2004/104/introduction
- nibusinessinfo.co.uk, Placing manufactured goods on the market in Northern Ireland: nibusinessinfo.co.uk/content/placing-manufactured-goods-market-northern-ireland
- GOV.UK, Regulation (EU) 2016/425 guidance for Northern Ireland (Article 4 of Regulation (EU) 2019/1020): gov.uk/government/publications/personal-protective-equipment-enforcement-regulations-2018

3. Risk assessment

Issue 3, 28 September 2026. Prepared by Thomas Andrew Luter, Managing Director, to EN ISO 12100:2010. Supersedes Issue 1 of 24 September 2026: open points in 3.7 updated with the GA drawing and the push-button certificate.

3.1 Method

Each hazard is rated High (H), Medium (M) or Low (L) from severity and likelihood. **Before** is the bare reel. **Now** is the reel as shipped today, with the measures that are actually in place. **Target** is the rating once the open measures in 3.7 are done. Where Now and Target differ, the difference is an open item, not a claim. Measures are applied in the order: inherently safe design, then guarding and protective devices, then information for use. Row numbers are used by the Annex I checklist (section 4) and in the instructions.

3.2 Limits of the machinery

Intended use	Powered rewinding of hose for water-fed pole systems (cold or heated water) and for pressure washers up to 275 bar (4000 psi) once the swivel proof test is held; excluded until then), with water up to 80 °C. Hose is pulled out by hand. Capacity: 100 m of 6 or 8 mm microbore/minibore hose, or up to 50 m of 3/8" 1-wire high-pressure hose.
Users	Trained professional window cleaners and pressure-washing operators. Members of the public may be near the vehicle. Not for domestic use.
Installation	Bolted in a van or to a system frame at four fixing points (M12 × 70 grade 8.8 set screws, nylocs, 40 mm plate washers, supplied). Powered from the system's own 12 V leisure battery, not the vehicle's electrical system, through the supplied 25 A fuse at the battery end. Operated only with the vehicle parked.
Environment	Outdoors and in vans: rain, spray, road vibration and frost. Operating temperature -10 °C to +40 °C.
Time limits	Wear parts: push button, swivel seals, hose stop. The motor is rated for continuous duty. The chain drive and clutch/brake need no maintenance or adjustment.
Foreseeable misuse	Wedging the button down; hand-guiding hose at the drum or roller guide; rewinding a snagged, frozen or pressurised hose; exceeding the pressure or temperature rating; hose rated below the pump or pressure washer; connecting the window cleaning kit to a pressure washer; steam mode; using the reel as a winch; unfused, over-fused or reversed wiring; connecting to the vehicle's starter battery or wiring; pressure-washing the motor or button; leaving the backup handle fitted; using the reel without the hose stop.

3.3 Hazard identification and risk reduction

Risk: H high, M medium, L low. Now = as shipped today; Target = once the 3.7 measures are done.

#	Hazard and situation	Measures	Before	Now	Target	EHSR
1	Drawn in at the drum during rewind (about 2.9 m/s average)	Roller guide removes the need to hand-guide the hose; hold-to-run button, clear of the drum, stops it on release; warning label; instructions: keep hands, gloves and loose clothing away from the drum and guide during rewind	H	L	L	1.2.2, 1.3.7, 1.3.8.2, 1.7.2
2	Drawn in at the chain and sprockets	Chain guard is part of the reel's structure and can't be removed without tools and significant dismantling.	H	L	L	1.3.8.1, 1.4.1, 1.4.2.1
3	In-running nip where the hose bends round the guide rollers; the roller opening (about 100 mm) admits a hand	Hold-to-run; button clear of the drum and guide; warning label at the guide; instructions: never hold the hose or let it run through your hand near the guide during rewind	M	L	L	1.3.7, 1.3.8.2
4	Hose end arrives at the fastest point of the rewind: fittings strike the operator, a snag makes the hose jump, bystanders trip	Hose stop supplied, and the instructions require it to be fitted; hold-to-run; instructions: keep the hose end and route in view, stop with the last few metres out and finish with short presses, never rewind across people	M	L	L	1.3.3, 1.3.7, 1.7.2
5	Hold-to-run defeated by wedging or taping the button down	Shrouded button (confirmed); warning label and instructions	H	L-M	L-M	1.1.2(c), 1.2.2

#	Hazard and situation	Measures	Before	Now	Target	EHSR
6	Unintended start: loose kit presses the button in transit, or water gets on the switch	Shrouded button, no IP rating claimed; hold-to-run, so no restart when power returns; instructions: isolate when not in use.	M	L	L	1.2.2, 1.2.3, 1.2.6
7	Button contacts weld and the motor keeps running after release (the button carries the 20.8 A running current and a brief surge at each switch-on)	Button rated for at least 21 A DC continuous, with a motor-load (inrush) rating above the measured surge, or a relay behind it (see 3.7); instructions: remove the fuse if the motor won't stop	M	M	L	1.2.1, 1.2.4.1, 1.2.4.3
8	Short circuit or overload in the supply cable causing a fire	25 A inline fuse at the battery end, fitted by Cleanlynk at PDI in place of the supplied 30 A, so the fuse rating matches the 2.5 mm ² cable (about 25 A); instructions: extensions at least 4 mm ² , replace only with a 25 A fuse, grommets, clips and ring terminals	H	L	L	1.5.1, 1.5.6
9	Motor stall (snagged or frozen hose, button held) overheats the motor, wiring or button	Motor rated for continuous duty (100%); no thermal cut-out assumed; the 25 A fuse clears a 100 A stall. Instructions: release the button if the motor labours	M	L	L	1.5.5, 1.5.6
10	Reversed polarity makes the drum pay hose out instead of winding in	Red positive and black negative cores in a sheathed twin cable; instructions: red to leisure battery positive, check rotation at first use, and contact Cleanlynk rather than swapping the leads	M	L	L	1.5.4
11	Water ingress to the motor or button: corrosion, shorts, erratic operation	No IP rating claimed for the motor or button; button shrouded; drip loop; instructions: install out of direct spray, never pressure-wash or hose down the motor or button, replace a stiff or corroded button.	M	L	L	1.5.1
12	Battery work during installation: tool short circuits; motor sparks near battery gas	Instructions: disconnect negative first, fit the fuse last, use insulated tools, no sparks or flames near batteries; don't mount the reel inside an enclosed battery compartment (brushed motors spark)	M	L	L	1.5.7, 1.7.4.2
13	Reel breaks loose in the van under braking or in a collision	Four fixing points; M12 × 70 grade 8.8 set screws, nylocs and 40 mm plate washers supplied, or into a rated frame; mass 15 kg empty plus hose	H	L	L	1.3.1, 1.7.4.2
14	Handling during installation (15 kg empty); cuts from sharp edges	Mass on packaging and in instructions; two people to position it in the van; edges deburred and checked at goods-in	M	L	L	1.1.5, 1.3.4
15	Leak or failure at the swivel or connections, spraying the electrics and wetting the floor	Swivel machined by JinJinYao, stated 275 bar (4000 psi) and 120 °C, no datasheet. Declared use limited to 35 bar (window cleaning kit, 100 °C) until the proof test is held; instructions: system limited by its lowest-rated part, never connect to a pressure washer	M	L	L	1.3.2
16	Pressure-washer use: hose or fitting bursts (injection injury, hose whip); a pressurised gun dragged in during rewind fires if the trigger snags	Excluded from the intended use until the swivel proof test is held: instructions say never connect to a pressure washer, high-pressure kit not supplied. When reinstated: hose and fittings rated for the machine; switch off, release pressure and lock the trigger before rewinding.	H	L	L-M	1.3.2, 1.7.2
17	Hot water: burns from the swivel, drum or hose; scalds from leaks	Declared maximum 80 °C, below the swivel's stated 120 °C and the kits' 100 °C; hot-surface label (ISO 7010 W017) by the swivel; instructions: gloves for hot hose, let the reel cool before maintenance, no steam mode	M	L	L	1.3.2, 1.5.5
18	Button pressed while hands are in the drive, drum or guide during maintenance or clearing a jam	Isolate by removing the 25 A fuse and keeping it with you; instructions: isolate before cleaning, maintenance or clearing jams	M	L	L	1.6.1, 1.6.3, 1.6.4

#	Hazard and situation	Measures	Before	Now	Target	EHSR
19	Backup handle fitted, then the motor starts and spins it	Handle stowed in normal use and screwed on (right side RHW, left side LHW) only after a motor failure; label beside the thread; instructions: isolate before fitting it, and restore power only once it's off	H	L	L	1.3.7, 1.6.3, 1.7.2
20	Noise from the motor and chain drive	Measured 70 dB(A) at the operator position during rewind; declared in the instructions as 70 dB(A) with K = 3 dB (allow 73 dB(A)); measurement record still to be written up (9.2)	L	L	L	1.5.8, 1.7.4.2(u)
21	Hot motor after long runs; frozen hose or swivel in winter	Motor rated for continuous duty; frost guidance in instructions	L	L	L	1.3.2, 1.5.5
22	Shear points between the rotating drum and the fixed frame	Clearance of at least 25 mm (EN ISO 13854), or too small for a fingertip to enter, wherever fingers can reach; guard any point that fails	M	M	L	1.3.7
23	Drum overruns when hose is pulled out fast, spilling loose coils	Clutch/brake limits overrun (not adjustable)	L	L	L	1.3.9

3.4 Hazards not significant

- **Electric shock:** 12 V DC is extra-low voltage.
- **Vibration:** the reel isn't hand-held or mobile machinery.
- **Radiation, hazardous emissions, static electricity:** no sources.

3.5 Emergency stop: not fitted

Whenever the motor runs, the operator's hand is on the hold-to-run button, clear of the drum, and releasing it stops the drum at once. A separate emergency stop wouldn't reduce the stopping time, so exception (a) of EHSR 1.2.4.3 applies. A welded button is covered by row 7.

3.6 Residual risks

Carried into the instructions (section 7.1, manual section 9):

- hands, gloves or clothing drawn in at the drum or roller guide during rewind (rows 1 and 3)
- the hose end striking the operator, or the hose jumping if it snags (row 4)
- hose burst or gun discharge when used with a pressure washer (row 16)
- burns from hot surfaces when using hot water (row 17)
- fire from a damaged cable or the wrong fuse (row 8)

3.7 Open points in this assessment

Rows 7 and 22 are rated M today and L only once the measures below are in place. Row 8 is closed by the 25 A fuse fitted at PDI. Rows 15 and 16 are L today because pressure-washer use is excluded from the instructions until the swivel proof test is held.

- **Row 7 (button current):** the button carries 20.8 A for as long as it's held, plus a brief surge at each switch-on (up to the 100 A stall figure in theory, less in practice; measure it, 9.2). It's a Kenaida LA167. Its certificate is to EN 60947-5-1, the standard for control-circuit devices such as buttons that switch relay coils, and gives no current rating (Appendix A). Unless Kenaida's datasheet covers 20.8 A continuous and the surge, fit a relay (at least 40 A continuous, inrush rating above the surge) so the button only switches the coil.
- **Rows 6 and 11 (water):** the button claims no IP rating, so none is declared and the instructions keep the reel out of direct spray. With a relay fitted, a sealed IP65-or-better switch is an easy upgrade.
- **Row 8 (cable and fuse), closed:** 2.5 mm² flexible PVC cable is rated about 25 A, so the supplied 30 A fuse didn't protect it. From PDI record P-001 onwards Cleanlynk fits a 25 A fuse of the same type before dispatch, and the instructions now say

25 A. Confirm in the 9.2 tests that the 25 A fuse rides through the start-up surge and that the running current stays well below 25 A; if it doesn't, change the cable to 4 mm².

- **Rows 15 to 17 (swivel):** machined by JinJinYao with no datasheet. The declared use is limited to water-fed pole at 35 bar until a proof test backs the 275 bar figure; the 80 °C hot-water check is still to do (9.2). Once both are held, reinstate pressure-washer use in the instructions, plate and Shopify listing.
- **Rows 6, 7 and 18 (isolation):** no isolator is fitted or offered; isolation is by removing the 25 A fuse, which the instructions identify and require to be kept by the operator.
- **Row 22 (drum-to-guard gap):** the GA drawing shows 23.5 mm between the drive-side drum flange and the chain guard (Appendix B), 1.5 mm under the 25 mm finger gap in EN ISO 13854. JinJinYao has agreed to increase it to 25 mm minimum from the next batch (28 September 2026), held through a full turn of the drum. Until the revised drawing and a measured unit are held, row 22 stays at M as shipped. From then on the PDI checks the gap on every reel, and EN ISO 13854 goes onto the DoC. Units from earlier batches keep the 23.5 mm gap: the guard is on the drive side only, and the instructions keep hands clear of the drum during rewind.
- **Rows 2 and 20:** photograph the chain guard on a unit; write up the noise measurement (9.2).

4. Annex I checklist

Essential health and safety requirements of Directive 2006/42/EC, Annex I, Part 1. “RA row” refers to the table in section 3.3.

4.1 Applicable requirements

EHSR	Requirement	How it's met	RA row
General principles	Risk assessment	EN ISO 12100 risk assessment (section 3)	All
1.1.2	Principles of safety integration	Design, then guarding, then information; foreseeable misuse and glove use considered; fuse, hose stop, backup handle and mounting plates supplied	All
1.1.3	Materials and products	Grade 304 stainless steel structure; water path stated 275 bar and 120 °C, declared maximum 80 °C; frost guidance	15, 17, 21
1.1.5	Handling	15 kg empty, handled by the frame; mass stated; two people to position	14
1.1.6	Ergonomics	Button clear of the drum within easy reach; roller guide removes hand-guiding; backup handle for manual winding	1, 19
1.2.1	Safety and reliability of control systems	Hold-to-run only. The button carries 20.8 A running plus a brief start-up surge, so it must be rated for both or have a relay behind it. Button is a Kenaída LA167; its certificate gives no current rating (3.7)	7
1.2.2	Control devices	Button marked with its function; clear of the drum, with drum and guide in view; shrouded; no IP rating claimed	1, 5, 6
1.2.3	Starting	Only by deliberately pressing the button	6
1.2.4.1	Normal stop	Releasing the button stops the motor	1
1.2.4.3	Emergency stop	Not fitted: exception (a) applies (see 3.5)	7
1.2.6	Failure of the power supply	Momentary button, so no restart when power returns	6
1.3.1	Loss of stability	Four fixing points; M12 × 70 grade 8.8 set screws, nylocs and plate washers supplied	13
1.3.2	Break-up during operation	Swivel stated 275 bar and 120 °C; kits 35 and 275 bar at 100 °C; declared 80 °C; hose and fitting ratings in the instructions	15, 16, 17
1.3.3	Falling or ejected objects	Hose stop halts the hose end at the guide	4
1.3.4	Surfaces, edges and angles	Deburred stainless steel, checked at goods-in	14
1.3.7	Moving parts	Drum, guide rollers, drum-to-guard clearance (23.5 mm now; 25 mm minimum from the next batch, 3.7), backup handle	1, 3, 19, 22
1.3.8.1	Moving transmission parts	Chain guard integral to the structure	2
1.3.8.2	Moving parts involved in the process	The drum can't be enclosed because the hose winds onto it. Protected by the roller guide, the hold-to-run button clear of the drum, and warnings (see 4.3)	1, 3
1.3.9	Uncontrolled movements	Clutch/brake limits overrun on pull-out and holds the drum when stopped	23
1.4.1, 1.4.2.1	Guards; fixed guards	Chain guard is robust, integral and removable only with tools and dismantling	2
1.4.3	Protective devices	The hold-to-run button is what protects against the drum, so a button failure mustn't leave it running: rated button or relay; isolation by removing the fuse.	7
1.5.1	Electricity supply	12 V DC extra-low voltage from the leisure battery; 25 A fuse at the battery; 2 m of 2.5 mm ² sheathed twin cable; no IP rating declared, so the reel is kept out of direct spray	8, 11
1.5.4	Errors of fitting	Red and black cores; rotation check at first use	10
1.5.5	Extreme temperatures	Hot water to 80 °C: hot-surface label and instructions; motor rated for continuous duty	9, 17, 21
1.5.6	Fire	Fuse protects the cable and clears a stall.	8, 9
1.5.7	Explosion	Motor sparks: reel kept out of enclosed battery compartments	12

EHSR	Requirement	How it's met	RA row
1.5.8	Noise	70 dB(A) measured at the operator position; declared	20
1.5.9	Vibrations	Negligible; no declaration needed (not hand-held or mobile)	–
1.5.15	Slipping, tripping or falling	Hose route and leak guidance in the instructions	4, 15
1.6.1	Machinery maintenance	No user maintenance on the drive or clutch/brake; checks and cleaning done with power isolated	18
1.6.2	Access to operating and servicing points	Button, swivel and fixings reachable from the van door	–
1.6.3	Isolation of energy sources	Remove the 25 A fuse (identified in the instructions) and keep it with you; no isolator fitted	18, 19
1.6.4	Operator intervention	Jams cleared with power isolated; hose stop prevents jams at the guide	4, 18
1.7.1, 1.7.2	Information and warnings on the machinery; residual risks	Labels: hands clear of drum and guide; hot surface; isolate before fitting the handle; read the instructions (section 6.2)	1, 3, 17, 19
1.7.3	Marking of machinery	Rating plate (section 6.1)	–
1.7.4.1	Instructions: general principles	English covers GB, NI and ROI; marked "Original instructions"; covers foreseeable misuse	All
1.7.4.2	Instructions: contents	Section 7.1; items (a) to (v) mapped in 7.2	All
1.7.4.3	Sales literature	Must agree with the instructions on safety and give the same noise figure (see 4.3)	20

4.2 Not applicable

- **1.1.4 Lighting:** normal ambient lighting is enough, and there are no internal areas to inspect.
- **1.1.7, 1.1.8 Operating positions, seating:** no cab or seat.
- **1.2.4.2, 1.2.4.4, 1.2.5 Operational stop, assembly of machinery, mode selection:** single mode; not part of an assembly of machinery.
- **1.3.5, 1.3.6 Combined machinery, variations in operating conditions:** neither applies.
- **1.4.2.2, 1.4.2.3 Interlocking movable guards, adjustable guards:** none fitted.
- **1.5.2, 1.5.3 Static electricity, energy supply other than electricity:** none.
- **1.5.10 to 1.5.12 Radiation, external radiation, laser radiation:** none, and there are no electronics to disturb.
- **1.5.13, 1.5.14, 1.5.16 Hazardous emissions, being trapped, lightning:** none.
- **1.6.5 Cleaning of internal parts:** nothing hazardous inside.
- **1.7.1.1, 1.7.1.2 Information and warning devices:** none fitted.
- **Parts 2 to 6** (food, hand-held and wood machinery; mobility; lifting; underground work; lifting persons): the reel isn't in any of these categories.

4.3 Notes

- **1.3.8.2 is the line an assessor would test hardest**, because the drum is open and the rewind is quick. The justification rests on the roller guide and the button position. A fixed cover over the parts of the drum the hose doesn't need would make it much stronger.
- **1.7.4.3 covers the Shopify listing.** It mustn't contradict the instructions on safety, and because it quotes performance (rewind speed), it must give the same noise figure.
- **Machinery Regulation:** this checklist maps across to Annex III of Regulation (EU) 2023/1230 for units placed on the market from 20 January 2027.

5. Declaration of Conformity

Signed 24 September 2026. Applies to units placed on the market up to 19 January 2027, and is issued to customers in the customer pack. Unchanged since it was signed.

EC / EU DECLARATION OF CONFORMITY

Manufacturer: Cleanlynk Ltd, Unit 2, Trench Lock 3, Sommerfield Road, Telford, Shropshire, TF1 5ST, United Kingdom

Person authorised to compile the technical file (United Kingdom): Thomas Andrew Luter, Managing Director, Cleanlynk Ltd, at the address above

Machinery

- Generic denomination: Electric hose reel, 12 V DC
- Function: Powered rewinding of hose for water-fed pole window cleaning systems and pressure washers
- Commercial name: Cleanlynk Commander VoltDrive Electric Hose Reel
- Model/type: Commander VoltDrive, right-hand wind (COMMANDER.VOLTDRIVE.RHW) and left-hand wind (COMMANDER.VOLTDRIVE.LHW)

This declaration is issued under the sole responsibility of the manufacturer.

Cleanlynk Ltd declares that the machinery described above fulfils all the relevant provisions of Directive 2006/42/EC on machinery. It also conforms to:

- Directive 2014/30/EU on electromagnetic compatibility
- Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment, as amended by Commission Delegated Directive (EU) 2015/863

Harmonised standards used

- EN ISO 12100:2010, risk assessment and risk reduction
- EN 60204-1:2018, electrical equipment of machines
- EN ISO 13857:2019, safety distances
- EN ISO 14120:2015, guards
- EN IEC 55014-2:2021, electromagnetic compatibility: immunity (Category I apparatus)

Place and date of issue: Telford, 24 September 2026

Signed for and on behalf of Cleanlynk Ltd: Thomas Andrew Luter, Managing Director

Signature: THOMAS LUTER

Notes

- Three standards are held back until their evidence is in: EN IEC 55014-1 (emissions test on a finished reel), EN ISO 13854 (drum clearance check) and EN IEC 63000 (RoHS technical documentation). Add each one and reissue the DoC when its evidence is in.
- The function line says "window cleaning systems and pressure washers". That describes what the machine is for; the instructions (Issue 3) limit use to water-fed pole at 35 bar until the swivel proof test is held. When the DoC is next reissued, consider wording the function to match the instructions of the day.
- The risk assessment (3.3) shows rows 7, 8 and 22 at M as shipped today. The DoC stands on the measures in place (fuse, hold-to-run, guarding, instructions); the 3.7 items are improvements to close promptly, and the DoC should be re-dated when they are.
- No EU authorised representative is named yet. Appoint one, add their details and reissue the DoC before any sales into Northern Ireland, Ireland or the EU.
- Units placed on the market from 20 January 2027 need the Regulation (EU) 2023/1230 version.
- The supplier's model code stays in this file (section 1.2), not on the DoC.

6. Rating plate and warning labels

6.1 Rating plate

Content required by EHSR 1.7.3 and the EU and UK EMC, RoHS and WEEE rules. Layout below is indicative.

CLEANLYNK LTD Unit 2, Trench Lock 3, Sommerfield Road, Telford, Shropshire, TF1 5ST, United Kingdom	
Electric hose reel – Commander VoltDrive	Model: COMMANDER.VOLTDRIWE.RHW or .LHW
Serial no.: see label on rear	Year of construction: 2026
12 V DC · 250 W	Full-load current: 20.8 A
Max inlet pressure: 35 bar	Max water temperature: 80 °C
CE marking (at least 5 mm high)	Crossed-out wheelie bin with bar (WEEE)

- **Year of construction** is the year the unit was built, not the year it was sold.
- **Serial numbers:** format VD-YYYY-NNNN (for example VD-2026-0001), on a durable label fitted to the rear of the reel by JinJinYao from the next batch (Cleanlynk issues the number range). The plate points to the label. The PDI form records the serial. Units shipped before then have none; the model and year identify them.
- **EU authorised representative:** add a line with their name and address once appointed (before NI or EU sales).
- **WEEE symbol:** required on the plate or the reel under the WEEE Regulations 2013.
- **IP rating:** none is declared (the button claims none), so the plate carries no IP code.
- **Pressure:** 35 bar until the swivel proof test is held; then 275 bar and reissue the plate and instructions.
- **Fitting:** ask JinJinYao to fit the plate at the factory with the year stamped; otherwise fit it at goods-in.
- **Existing stock:** label it using the production month and year of each batch (requested from JinJinYao).

6.2 Warning labels

Label	Where	Content
Drawing-in warning	At the drum and roller guide	Pictogram (for example ISO 7010 W025) and “Keep hands, gloves and clothing clear of the drum and guide during rewind”
Hot surface	Beside the swivel	ISO 7010 W017 and “Hot surface when using hot water”
Isolate before fitting the handle	Beside the backup handle thread	ISO 7010 M021 and “Isolate power before fitting the handle. Remove the handle before restoring power.”
Read the instructions	Near the button	ISO 7010 M002
Button function	At the button	“HOLD TO REWIND – release to stop”

7. Instruction manual

The text issued to customers in the customer pack (Issue 6, 28 September 2026). The numbering in 7.1 is the manual's own.

7.1 Manual text

CLEANLYNK COMMANDER VOLTDRIVE ELECTRIC HOSE REEL

Original instructions. Read before installing or using, and keep with the reel.

1. Manufacturer

Cleanlynk Ltd, Unit 2, Trench Lock 3, Sommerfield Road, Telford, Shropshire, TF1 5ST, United Kingdom

Tel 01952 482894 · info@cleanlynk.co.uk

2. Product identification

Cleanlynk Commander VoltDrive Electric Hose Reel: COMMANDER.VOLTDRIVE.RHW (right-hand wind) or COMMANDER.VOLTDRIVE.LHW (left-hand wind). The model, year of construction and ratings are on the rating plate fitted to the reel.

3. Intended use

The VoltDrive rewinds hose using a 12 V DC motor. It's intended for water-fed pole window cleaning systems, with the window cleaning connection kit supplied, at up to 35 bar and 80 °C, installed in a vehicle or on a system frame, and operated by trained professional users. This issue of the instructions does not cover pressure washers: don't connect the reel to a pressure washer or to any supply above 35 bar. Use it only with the vehicle parked. It must be powered from the system's 12 V leisure battery, not the vehicle's starter battery or wiring. It isn't for domestic use.

Never:

- wedge, tape or tie the button down
- guide the hose by hand at the drum or roller guide
- rewind a snagged, frozen or pressurised hose
- exceed 35 bar, 80 °C or your hose's rating
- connect the reel to a pressure washer
- use the reel as a winch or for anything other than hose
- connect it to the vehicle's starter battery or wiring
- run it with the fuse bypassed, with a fuse over 25 A, with the backup handle fitted, or without the hose stop
- pressure-wash or hose down the motor or button

4. Description

The main parts of the reel:

1. Stainless steel body and drum (grade 304)
2. 12 V DC 250 W motor
3. Chain drive, enclosed in the body (maintenance-free)
4. Hold-to-run button (shrouded)
5. Roller guide
6. Swivel inlet
7. Mounting plates (four fixing points)
8. Backup handle (screws on: right side on RHW, left side on LHW)

9. Power cable: 2 m, red positive, black negative, with 25 A inline fuse
10. Hose stop
11. Hose barb, pre-fitted to the drum outlet
12. Clutch/brake

Supplied in the box (window cleaning kit): Rectus 26 quick-release coupling, female with 1/2" BSP taper thread (for the swivel inlet) and male with 13 mm hose barb (for your supply hose); 2 hose clips; PTFE tape; 4 × M12 × 70 mm grade 8.8 set screws, 4 × M12 nyloc nuts, 4 × M12 washers and 4 × 40 mm plate washers; P-clip for 12 mm hose with M6 bolt and wing nut.

5. Technical data

Supply	12 V DC, from the system's leisure battery
Motor	250 W; rated current 20.8 A; continuous duty
Fuse	25 A inline, at the battery end of the positive lead
Supply cable	2.5 mm ² twin, 2 m
Rewind speed	About 100 m in 35 seconds
Hose capacity	100 m of 6 mm or 8 mm microbore/minibore hose, or up to 50 m of 3/8" 1-wire high-pressure hose
Drum outlet	3/8" BSP female
Max inlet pressure	35 bar
Connection kit	Rectus 26 coupling, 1/2" BSP taper and 13 mm barb; 35 bar, 100 °C
Max water temperature	80 °C
Mass	15 kg empty
Fixings (supplied)	4 × M12 × 70 mm grade 8.8 set screws, nyloc nuts, washers, 40 mm plate washers
Operating temperature	-10 °C to +40 °C
Motor and button protection	No IP rating; keep the reel out of direct spray
Noise	See section 12

6. Installation

Warning: installation involves drilling the vehicle and working on the battery. It should be done by a competent person.

Positioning

Choose a position where:

- the button is within easy reach of where you'll stand to rewind
- you can see the drum, roller guide and hose route from that spot
- the hose runs out through the roller guide without rubbing on edges
- the motor and button are out of direct spray, because they have no IP rating
- the reel isn't inside an enclosed battery compartment, because the motor can spark

The reel weighs 15 kg empty; use two people to position it in the vehicle.

Mounting

1. Check under the floor for fuel lines, brake pipes and wiring before drilling.
2. Bolt through all four fixing points with the M12 × 70 mm grade 8.8 set screws supplied, with a washer under each head and a 40 mm plate washer and nyloc nut under the floor, or bolt to a rated system frame. At least two threads must show past each nyloc nut; use longer M12 grade 8.8 bolts if the floor is thicker.
3. Never use the reel free-standing.

Electrical connection

Warning: batteries can deliver very high currents, and a short circuit can cause burns or fire. Wear eye protection, use insulated tools, and keep sparks and flames away from batteries.

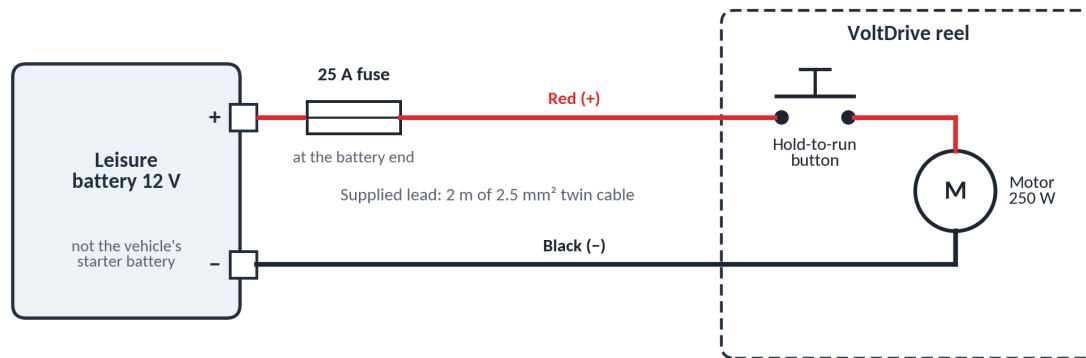


Figure 1. Wiring. Fit the 25 A fuse at the battery end of the red lead.

1. Disconnect the leisure battery negative terminal and remove the fuse from its holder.
2. Route the cable to the battery. Use grommets through panels and clip it about every 300 mm. Keep it away from sharp edges, moving parts and hot surfaces.
3. Fit the fuse holder as close to the battery as possible, because the fuse only protects the cable after it.
4. Connect red to the leisure battery positive and black to the leisure battery negative. Never connect the reel to the vehicle's starter battery or wiring.
5. The supplied cable is 2 m long. If you need to extend it, use at least 4 mm² cable (6 mm² for extensions longer than 3 m) and keep the fuse at the battery end. Never fit a fuse larger than 25 A.
6. Reconnect the battery negative, and fit the fuse last. To isolate the reel at any time, remove the fuse.

Water connection

1. Wrap the taper thread of the Rectus 26 female coupling with the PTFE tape supplied and screw it into the swivel inlet.
2. Push your supply hose from the pump onto the 13 mm barb of the male coupling and secure it with one of the hose clips supplied, then plug the male into the female. The coupling is rated 35 bar.
3. Secure the supply hose to the vehicle with the P-clip supplied (M6 bolt and wing nut), clear of sharp edges and moving parts.
4. The system is limited by its lowest-rated part. Your hose and fittings must be rated for your pump's maximum pressure, and for the hottest water you use (up to 80 °C).
5. Check every connection for leaks at working pressure. Keep water away from the battery and electrics.

Hose and hose stop

1. A hose barb is already fitted to the drum outlet. Feed your microbore hose in through the roller guide, push it fully onto the barb and secure it with the second hose clip supplied.
2. Fit the hose stop about 0.5 to 1 m from the free end of the hose. It halts the hose end at the roller guide so the end can't be drawn onto the drum. Don't use the reel without it.
3. Wind the hose on as described in section 7.

First-use checks

- Pull a few metres of hose out and briefly press the button. The drum must wind the hose in. If it pays out instead, isolate the reel and check that red goes to positive and black to negative. If they're correct, don't swap them: contact Cleanlynk.
- Confirm all four fixings are tight, the cable is secured, the fuse is fitted, there are no leaks, the hose stop is on and the labels are in place.

7. Operation

Pulling hose out

Pull the hose out through the roller guide by hand. The clutch/brake stops the drum overrunning and spilling hose.

Rewinding

Warning: the drum rewinds at about 3 metres per second, fastest near the end of the hose. Keep hands, gloves, loose clothing and hair away from the drum and roller guide.

1. Stand at the button with the drum, roller guide and hose route in view.
2. Check the hose route is clear of people and snags.
3. Press and hold the button. The motor only runs while you hold it; release to stop.
4. Never hold the hose or let it run through your hand near the roller guide.
5. Stop with the last few metres out. Finish with short presses so the hose stop reaches the guide slowly.
6. If the hose snags along its route, release the button and clear the snag by hand. If it jams at the roller guide or drum, isolate the reel first. Never try to pull through a snag with the motor.
7. If the motor labours or slows, release the button at once.

Before rewinding

- Switch off the pump so the hose isn't pressurised while it rewinds.
- Inspect the hose and fittings before each use, and replace anything damaged.

Hot water

Caution: with hot water, the swivel, drum and hose get hot. Wear heat-resistant gloves to handle hot hose, and let the reel cool before maintenance.

8. Protective equipment

Wear heat-resistant gloves for hot hose and eye protection for battery work. Gloves can be caught, so keep gloved hands away from the drum and roller guide.

9. Residual risks

Even with correct use, these risks remain:

- hands, gloves or clothing drawn in at the drum or roller guide during rewind
- the hose end striking you, or the hose jumping if it snags
- a hose or fitting failing under pressure
- burns from hot surfaces when using hot water
- fire from a damaged cable or the wrong fuse

The labels on the reel mark these hazards: hands clear of the drum and guide, hot surface, isolate before fitting the handle, and read the instructions.

10. Breakdown and emergencies

- **Motor doesn't stop when you release the button:** cut the power at once by removing the 25 A fuse. Don't use the reel again until the button has been replaced.
- **Leak:** switch off the pump, let the pressure off the hose, and isolate the reel before repairing.
- **Fuse blows:** find the cause before fitting a new 25 A fuse of the same type.

Using the backup handle after a motor failure

Warning: never press the button with the handle fitted.

1. Isolate the reel: remove the 25 A fuse.
2. Screw the handle onto the threaded boss: right side on RHW models, left side on LHW models.
3. Wind the hose in by hand.
4. Unscrew the handle and stow it.
5. Only then restore power.

11. Maintenance and cleaning

Warning: isolate the reel before any cleaning, inspection, maintenance or clearing a jam: remove the 25 A fuse and keep it with you.

The chain drive is enclosed and maintenance-free; it needs no lubrication or adjustment. The clutch/brake needs no adjustment. Don't open the body.

- **Before each use:** check the hose, fittings, cable and button for damage.
- **Monthly:** check the fixings are tight, the swivel for leaks, the cable for chafing and the fuse holder for corrosion.
- **Frost:** in freezing conditions, drain the reel and hose or keep the vehicle above freezing. Never run the motor to free a frozen hose.
- **Cleaning:** wipe with a damp cloth. Never pressure-wash or hose down the motor or button.
- **Button:** it has no IP rating. Replace it if it becomes stiff, sticky or corroded.
- **Spare parts:** replace the fuse only with a 25 A fuse of the same type, and use Cleanlynk replacement buttons, swivels and hose stops.

12. Noise

Measured A-weighted emission sound pressure level at the operator position: 70 dB(A), with a measurement uncertainty K = 3 dB. Allow for up to 73 dB(A).

13. Disposal



Don't dispose of the reel with household waste. At the end of its life, contact Cleanlynk about returning it for recycling, or take it to a collection point that accepts commercial electrical waste (WEEE).

14. Declaration of Conformity

In the customer pack, section 14 is the Declaration of Conformity from section 5 of this file, printed on the last page.

7.2 How the instructions cover EHSR 1.7.4.2

Item	Requirement	Where in the manual
(a)	Manufacturer and authorised representative	§1 (EU representative to be added before NI or EU sales)
(b)	Designation of the machinery as marked on it	§2
(c)	Declaration of Conformity contents	§14 (DoC on the last page of the customer pack)
(d)	General description	§4
(e)	Drawings and explanations for use, maintenance, repair and checking correct functioning	§4 (parts list), §6 (Figure 1 wiring, first-use checks), §11
(f)	Operator positions	§7 (stand at the button, drum and guide in view)
(g)	Intended use	§3
(h)	Ways the machinery must not be used	§3 ("Never")
(i)	Assembly, installation and connection	§6
(j)	Installation to reduce noise or vibration	Not applicable (70 dB(A); no significant vibration)
(k)	Putting into service, use and training	§3 (trained professional users), §6, §7
(l)	Residual risks	§9
(m)	User protective measures, including PPE	§8
(n)	Tools that may be fitted	Not applicable
(o)	Stability during use, transport, assembly and dismantling	§6 (mounting)
(p)	Transport, handling and storage, including mass	§5 (mass), §6 (positioning), §11 (frost)
(q)	Accident or breakdown; unblocking	§7 (snags and jams), §10
(r)	Adjustment and maintenance by the user	§11
(s)	Safe adjustment and maintenance	§11 (isolate first)
(t)	Spare parts affecting safety	§11 (spare parts)
(u)	Airborne noise	§12
(v)	Non-ionising radiation	Not applicable

8. Series production and change control

The internal measures that keep series-produced units in conformity (Directive 2006/42/EC, Annex VII, part A).

8.1 Pre-delivery inspection (PDI)

Every reel is inspected and tested by Cleanlynk before dispatch, using the PDI form in 8.2 (also issued as a standalone one-page form, PDI-VD-001). One form per reel, filled in, signed and kept with this file for 10 years. The form is where the 25 A fuse change, the serial number and the 25 mm gap check are recorded, so no reel leaves without them. A reel that fails any item is held, not shipped, until the fault is fixed and the form completed.

One reel is kept as the reference unit, with photos, for the comparison items. Any difference from it is reported before the shipment is released (8.3).

8.2 PDI form

#	Check	Pass	Fail	Notes
Identity and marking				
1	Model matches the order (RHW: handle thread on the right; LHW: on the left)			
2	Serial number label on the rear of the reel (VD-YYYY-NNNN), legible, and copied above			
3	Rating plate fitted: model, year, 12 V 250 W, 35 bar, 80 °C, CE mark, WEEE symbol			
4	Four warning labels fitted: guide, swivel, handle thread, button			
Mechanical				
5	Chain guard intact, no openings; fixings tight			
6	Flange-to-guard gap at least 25 mm through a full turn of the drum (smallest reading in Notes)			
7	Button shroud in place; button returns freely on release			
8	Drum turns freely by hand; clutch/brake holds it when released			
9	Guide rollers turn; no sharp edges on guide, frame or flanges			
10	Backup handle fits its boss and comes off again; packed in the box, not left on the reel			
11	Matches the reference unit: motor label, button type, cable print, swivel markings			
Electrical				
12	Supplied 30 A fuse removed; 25 A fuse of the same type fitted (record the part number above)			
13	Cable and fuse holder undamaged; red to positive, black to negative at the reel end			
14	Bench test on 12 V: motor runs only while the button is held; stops at once on release			
15	Rotation: with a length of hose out, pressing the button winds it in (not out)			
16	Running current with hose out (clamp meter): record above; must be below 25 A			
Water path				
17	Swivel inlet and 3/8" BSP drum outlet threads clean and undamaged			
18	Drum-outlet barb fitted; leak test at 35 bar: no leaks at swivel, coupling or barb			
19	Hose stop fits the hose and stops at the roller guide			
Pack contents				

#	Check	Pass	Fail	Notes
20	In the box: hose stop, backup handle, Rectus 26 female and male, 2 hose clips, PTFE tape, 4 × M12 × 70 set screws (8.8 marked), 4 nylocs, 4 washers, 4 plate washers, P-clip with M6 bolt and wing nut			
21	Customer pack (instructions with the Declaration of Conformity), current issue			
22	High-pressure kit NOT included (excluded until the swivel proof test is held)			

8.3 Supplier and component changes

- Keep one reel as the reference unit, with photos, for comparison at goods-in.
- JinJinYao has been asked to commit in writing to notify any component, material or sub-supplier change before it ships (awaited).
- Any change, whether notified or found at goods-in, is reviewed against this file before those units are sold. Record the review, and update the risk assessment, evidence and DoC if needed.
- The 25 A fuse and the drum-outlet barb fitted at PDI are Cleanlynk modifications, recorded here, in 1.3, in the risk assessment (row 8) and on each PDI form. Any further relay, switch, cable or shroud Cleanlynk adds is treated the same way and shown on the wiring diagram.

9. Evidence register (technical file index)

What the file holds, what's awaited and where it comes from.

9.1 Index

Ref	Document	Status	Source
TF-01	General description and technical data	Issued (section 1)	This file
TF-02	General arrangement drawing: dimensions, mass, fixing holes (RHW and LHW)	Front elevation held (Appendix B). Revised drawing with 25 mm gap, title block and plan view awaited	JinJinYao
TF-03	Wiring diagram: leisure battery, fuse, button, relay if fitted, motor	Schematic in the instructions (Figure 1); check against a unit	This file
TF-04	Exploded view and parts list with materials	Awaited	JinJinYao, or strip-down
TF-05	Risk assessment	Issue 3 (section 3)	This file
TF-06	Annex I checklist	Issued (section 4)	This file
TF-07	Legislation, standards and EMC scope statement	Issued (section 2)	This file; EMC lab to confirm scope
TF-08	EMC test report to EN IEC 55014-1, finished reel at 12 V	To arrange; then add the standard to the DoC	UK accredited lab
TF-09	Motor EMC certificate MOSTCN19091725 (2019): Haocheng MY-series motors, 36 V DC, EN 55014-1:2017 and 55014-2:2015	Held, supporting only. Full report MTEN19091458 requested	JinJinYao (Appendix A)
TF-10	Motor data for the fitted model: 20.8 A rated, 100 A stall, continuous duty (100%); thermal cut-out and IP rating not stated	Data received; datasheet to file; model from the label	JinJinYao; section 9.2
TF-11	Push button: Kenaída LA167-B4 or -B5; shrouded; no IP rating claimed. ECM certificate 0P220906.KEQD96 to EN 60947-5-1, expires 5 September 2027	Certificate held (no current rating). DC rating and variant awaited (priority)	JinJinYao (Appendix A)
TF-12	Cable CCC certificate 2026010105860681 (Yuyao Shanglin Electrical Appliance Co., Ltd; PVC flexible cable, 60227 IEC 52/53/57, 0.5 to 2.5 mm ² ; valid to 19 April 2031)	Held. Cable confirmed as 2.5 mm ² , 2 m (below the fuse rating: see 3.7). Verify on cnca.gov.cn	JinJinYao (Appendix A)
TF-13	Fuse and fuse holder datasheet (holder type; supplied 30 A, Cleanlynk fits 25 A)	Awaited	JinJinYao; Cleanlynk (25 A fuse part number to record)
TF-14	Swivel (machined by JinJinYao): proof test above 275 bar, 80 °C hot-water check, materials	Factory pressure-test photos promised. To count, they need a signed statement: pressure, hold time, what was tested, date, who tested. Hot-water check in-house	JinJinYao; in-house
TF-15	Kit data: Rectus 26 coupling rating (35 bar, 100 °C), set screw grade 8.8 (heads marked), hose clips, P-clip	Kit contents confirmed and photographed (B.3); supplier datasheets to file	Kit suppliers
TF-16	RoHS evidence to EN IEC 63000: reel test report or component declarations; brass lead content; cable	Awaited; then add EN IEC 63000 to the DoC. Fallback: XRF screening and phthalate test	JinJinYao; lab
TF-17	REACH declarations: SVHC; phthalates in PVC (reel cable, kit hoses)	Awaited	JinJinYao; kit suppliers
TF-18	Noise measurement record (70 dB(A))	To write up (9.2)	In-house
TF-19	In-house test records: rotation, hold-to-run, running current, start-up surge, stall, temperature, clearances, chain guard, leak test	To do (9.2); clearances then allow EN ISO 13854 on the DoC	In-house
TF-20	Photos: chain guard, roller guide, button and shroud, rating plate position	Unit photo held (Appendix B); close-ups to take	In-house

Ref	Document	Status	Source
TF-21	Instructions	Issued in the customer pack (section 7)	This file
TF-22	Rating plate and label artwork	Content set (section 6); artwork to make	This file
TF-23	Declaration of Conformity	Signed 24 September 2026 (section 5); three standards held back	This file
TF-24	PDI procedure and per-unit PDI forms (PDI-VD-001)	Issued (section 8); forms filed per reel	This file
TF-25	Supplier change-notification commitment	Awaited	JinJinYao
TF-26	EU authorised representative mandate	To appoint before NI or EU sales	-
TF-27	WEEE producer registrations (UK and ROI)	To check	-
TF-28	Customer pack: instructions and Declaration of Conformity	Issue 6, 28 September 2026	This file (sections 5 and 7)

9.2 In-house test record (template)

Test	Method	Acceptance	Result	Date / by
Rotation (RHW and LHW)	Red to positive, black to negative. Pull hose out and press the button briefly	Drum winds hose in		
Hold-to-run	Press, hold and release during a rewind	Runs only while held; stops at once on release		
Running current	DC clamp meter on the positive lead during a full rewind with 100 m of hose out	Record; compare with 20.8 A rating and 25 A fuse		
Start-up surge	Clamp meter with inrush capture on the positive lead; press the button with hose out	Record the peak; sets the button or relay rating (row 7)		
Stall	Hose end tied off, fuse in circuit, reel bolted down, hands clear; hold the button	Fuse clears within 5 s; record time and cable temperature		
Motor temperature	Several back-to-back full rewinds; measure surface temperature	Record; confirms the continuous rating (1.5.5)		
Drum-to-guard clearance	Measure the drive-side flange-to-guard gap through a full turn; check any other reachable gap	At least 25 mm (or 4 mm or less) everywhere		
Chain guard	Inspect for openings	No opening lets a finger reach the chain (EN ISO 13857)		
Leak test	Water path at working pressure with each kit (35 bar; 275 bar)	No leaks		
Swivel proof test (test house)	Hydrostatic test of the water path above 275 bar (1.5 times, about 410 bar, is usual)	No leakage or permanent deformation; certificate		
Hot water (no swivel datasheet)	Run water at 80 °C through the reel	No leaks or seal damage		
Noise	A-weighted meter at the operator position, reel rewinding under load; note background level	Record the level; declare with K = 3 dB	70 dB(A); details to record	

9.3 Retention

Held by Thomas Andrew Luter, Managing Director at Cleanlynk Ltd, with test reports, PDI forms and the signed DoC, for 10 years after the last unit is placed on the market; available to authorities on request.

10. Open items and next steps

Ordered so the items that could change the design or hold up shipments come first.

10.1 Items that could change the design

- **Button switching:** the button carries 20.8 A DC for as long as it's held, plus a brief start-up surge. Unless its datasheet covers both, add a relay or solenoid rated at least 40 A continuous, with an inrush rating above the measured surge, so the button only switches the coil (row 7). The fitted Kenaída LA167's certificate is to the control-circuit standard and no current rating has been given, so plan for the relay.
- **Drum-to-guard gap:** 25 mm minimum agreed with JinJinYao from the next batch (row 22). Get the revised drawing before production and a measured photo from the first unit; then add EN ISO 13854 to the DoC.
- **Sealed switch:** the button claims no IP rating. With a relay fitted, a sealed IP65-or-better momentary switch is a cheap upgrade (rows 6 and 11).
- **Cable and fuse:** closed by the 25 A fuse fitted at PDI (row 8). If the 9.2 tests show the running current near 25 A, change to 4 mm² cable.
- **Swivel:** no datasheet. Proof-test it, or limit the declared use to water-fed pole with the 35 bar kit (rows 15 to 17).
- **Drum cover (optional):** a fixed cover over the parts of the drum the hose doesn't need (4.3).

10.2 Still needed from JinJinYao

1. **Test reports:** any EMC, RoHS or machinery reports for the complete reel; the full motor report MTEN19091458; a quote for EN IEC 55014-1 and -2 testing at 12 V if there's no reel report.
2. **Motor:** the datasheet itself for the file (running, stall and duty figures received), the model number, whether it has thermal protection, and any suppression components.
3. **Push button:** Kenaída's datasheet for the LA167, with its DC current rating at 12 V switching a motor (continuous and inrush), and whether the B4 or B5 variant is fitted. The certificate received confirms the maker, model and standard only.
4. **Cable and fuse:** confirmation that the 2.5 mm² cable is the Shanglin CCC cable, and whether they can supply 4 mm²; fuse and holder make, model, type, and fast or slow-blow.
5. **Swivel and hose stop:** body and seal materials. No datasheets exist, so the swivel rating will be proven by test.
6. **RoHS and REACH:** reel test report or component declarations; brass lead content and exemption; SVHC and phthalates.
7. **Drawings:** front elevation received. Still needed: the revised drawing with the 25 mm gap and a title block (number, revision, hand); a plan with all four fixing holes, plus height, depth and flange diameter; exploded view and parts list with materials; wiring diagram.
8. **Production:** written change-notification commitment; factory-fitted plate and labels with the year; production month and year of batches already shipped.

10.3 Tests and checks

- EN IEC 55014-1 emissions test on a finished reel at 12 V at a UK lab. Ask the lab to confirm the reel is outside UN R10 (2.3). No immunity testing is needed (Category I). Then add EN IEC 55014-1 to the DoC and reissue.
- Drum clearance: revised drawing and a measured first unit at 25 mm or more (9.2, PDI item): then add EN ISO 13854 to the DoC and reissue.
- RoHS documentation (10.2, item 6): then add EN IEC 63000 to the DoC and reissue.
- Swivel proof test at a hydraulic test house, plus an 80 °C hot-water check in-house (9.2).
- In-house tests in 9.2, recorded with photos, date and name. The start-up surge and stall tests matter most: they show what the button has to switch and whether the 25 A fuse rides through the surge.
- Noise measurement written up (9.2).

10.4 Artwork

- Rating plate (6.1) and warning labels (6.2).
- Instructions: for a labelled photo in section 4, take a clean one in-house (the supplier's photo shows the factory and a red mark). Check the wiring schematic (Figure 1) against a unit.

10.5 Appointments and registrations

- **EU authorised representative** covering NI and ROI, appointed before any sales there. It has to be a person or company established in the EU, separate from Cleanlynk. Their details go on the DoC, plate and instructions.
- **WEEE**: check your producer registration covers the reels. At 600 a year the reels alone are about 9 tonnes, above the 5-tonne small-producer threshold. ROI needs its own registration.
- **REACH**: written confirmation from kit suppliers that any PVC hose is free of restricted phthalates.

10.6 If the supplier can't provide the data

Gap	Route	Evidence for the file
Button rating	Fit a relay or solenoid (at least 40 A continuous, inrush rating above the measured start-up surge) so the button only switches the coil, or change to a branded, DC-rated, sealed momentary switch.	Datasheet of the new part; updated wiring diagram
Cable and fuse	Confirmed 2.5 mm ² , 2 m. Change to 4 mm ² or heavier automotive cable with a branded fuse holder, or fit a 25 A fuse if the measured running current allows.	Cable and fuse holder datasheets
Motor data	Received: 20.8 A rated, 100 A stall, continuous duty. Still measure the actual running current, the start-up surge and the stall-clearing time, and assume no thermal cut-out.	Datasheet; in-house test record (9.2)
IP rating	None claimed, so none is declared and the plate carries no IP code. The instructions keep the reel out of direct spray and ban pressure-washing the motor and button.	None needed
EMC	EN IEC 55014-1 emissions test on a finished reel at a UK lab (needed anyway).	Test report
RoHS	Risk-based approach under EN IEC 63000: XRF screening of a unit, phthalate test on the PVC cable, lead check on any brass. The stainless structure is low risk.	Lab report and RoHS assessment
Swivel rating	No datasheet exists (machined by JinJinYao). Proof-test the water path above 275 bar at a hydraulic test house and run an 80 °C hot-water check in-house. Otherwise limit the intended use to water-fed pole (35 bar kit) until the 275 bar rating can be backed.	Test certificate and record
Drawings and parts list	Front elevation received (Appendix B). Produce the rest from a unit: fixing-hole plan and annotated photos, parts list from a strip-down, simple wiring diagram.	Drawings, parts list, wiring diagram
Change control	Keep a reference unit and compare every shipment at goods-in (motor label, button type, cable print, swivel markings).	Goods-in records (8.2)
Plates and labels	Fit them at goods-in.	Goods-in records (8.2)

Any relay, switch, cable or shroud you add is your own modification. Record it in the file and on the wiring diagram.

10.7 Issue and reissue

- The Declaration of Conformity was signed on 24 September 2026 and has not changed since; the revision history on the cover lists every issue of this file and of the customer pack (now Issue 6).
- Reissue the DoC and customer pack when held-back evidence comes in, when an EU representative is appointed, or if the design changes. Keep the Shopify listing matching the instructions. 20 January 2027: switch new units to the Regulation (EU) 2023/1230 DoC.

Appendix A. Supplier certificates held

A.1 Motor EMC certificate MOSTCN19091725

Shenzhen Most Technology Service Co., Ltd, 17 September 2019. Holder: Yongkang Haocheng Motor Co., Ltd. MY-series motors, DC 36 V, Directive 2014/30/EU, EN 55014-1:2017 and EN 55014-2:2015, report MTEN19091458. Supporting evidence only (see 2.3).

MOST
Compliance Laboratory

CERTIFICATION of Conformity

No.: MOSTCN19091725

Holder : YONGKANG HAOCHENG MOTOR CO., LTD.
No.8 HUAGANG ROAD, HUACHUAN INDUSTRIAL ZONE,
YONGKANG CITY

Product Name : AC magneto motor

Model Name : MY1020, MY1025, MY1025Z, MY1025Z2, MY1016, MY1016Z,
MY1016Z2, MY1020, MY1020Z, MY1020Z2, MY6812, MY1050,
MY1080, MY1018, MYTD35, MY1016Z3

Brand Name : N/A

Technical Data : DC 36V by Source

Report No. : MTEN19091458

This certification refers to the conformity of the following Directive(s). It does not exclude the product(s) having to be in compliance with other applicable Directive(s):
According to the Electromagnetic Compatibility (EMC) directive 2014/30/EU.
It is to certify that the product identified above in compliance with the essential requirements of the following standard(s):
EN 55014-1:2017
EN 55014-2:2015

September 17, 2019
Date of Issue

Signed by: Yvette Zhou

This certification of conformity is based on an evaluation of the sample(s) of above mentioned product. Technical report and documentation are at the Holder's disposal. The CE marking as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.
The original document contains watermark. Not to be reproduced without the permission of Shenzhen Most Technology Service Co., Ltd.

CE

Shenzhen Most Technology Service Co., Ltd.
No. 5, 2nd Langshan Road, North District, Hi-tech Industrial Park,
Nanshan, Shenzhen, Guangdong, China
Tel: 86 755 86026850 Fax: 86 755 26013350
Http://www.szmost.com

A.2 Cable CCC certificate 2026010105860681 (English)

China Quality Certification Centre. Yuyao Shanglin Electrical Appliance Co., Ltd; PVC insulated flexible cables, 60227 IEC 52/53/57, GB/T 5023.5-2008. Issued 20 April 2026, valid until 19 April 2031.



CHINA COMPULSORY PRODUCT
CERTIFICATION CERTIFICATE

Certificate No.: 2026010105860681

Name and Address of Applicant

Yuyao Shanglin Electrical Appliance Co., Ltd.
No. 64, West Qijia Road, Xiejialu Village, Simen Town,
Yuyao, Zhejiang, P.R. China

Name and Address of Manufacturer

Yuyao Shanglin Electrical Appliance Co., Ltd.
No. 64, West Qijia Road, Xiejialu Village, Simen Town,
Yuyao, Zhejiang, P.R. China

Name and Address of Production Factory

Yuyao Shanglin Electrical Appliance Co., Ltd.
3rd Floor, Building 4, No. 25 (North Section), Qi'ou Road,
Simen Town, Yuyao, Zhejiang, P.R. China

Product Name, Series, Model and Specification

PVC Insulated Flexible Cables and Wires

60227 IEC 52(RVV) 300/300V 0.5–0.75 (2–3 cores);
60227 IEC 53(RVV) 300/500V 0.75–2.5 (2–5 cores);
60227 IEC 57(RVV-90) 300/500V 0.75–2.5 (2–5 cores);

Product Standards and Technical Requirements

GB/T 5023.5-2008

The above products comply with the requirements of the "Implementation Rules for Compulsory Product Certification –
Electrical Wires and Cables" (CNCA-C01-01:2024). This certificate is hereby issued.

Date of Issue: April 20, 2026

Valid Until: April 19, 2031

The certificate information and validity may be verified by scanning the QR code below or via
the website of the issuing body, and may also be inquired on the CNCA website
(www.cnca.gov.cn).



Issued by: 
 CHINA QUALITY CERTIFICATION CENTRE
China Quality Certification Centre Co., Ltd.



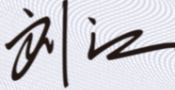
<http://www.cqc.com.cn>

Tel: +86 10 83886666

Building 5, Zone 9, No. 188 South 4th Ring West Road, Fengtai District, Beijing 100070, P.R. China

A.3 Cable CCC certificate 2026010105860681 (Chinese original)

Chinese-language original of A.2.

	中国国家强制性产品认证证书
证书编号: 2026010105860681	
认证委托人名称及地址 余姚市尚林电器有限公司 浙江省余姚市泗门镇谢家路村戚家路西 64 号	
生产者名称及地址 余姚市尚林电器有限公司 浙江省余姚市泗门镇谢家路村戚家路西 64 号	
生产企业名称及地址 余姚市尚林电器有限公司 浙江省余姚市泗门镇栖鸥路(北段) 25 号 4 幢 3 楼	
产品名称和系列、型号、规格 聚氯乙烯绝缘软电缆电线 60227 IEC 52(RVV) 300/300V 0.5-0.75(2-3 芯); 60227 IEC 53(RVV) 300/500V 0.75-2.5(2-5 芯); 60227 IEC 57(RVV-90) 300/500V 0.75-2.5(2-5 芯);	
产品标准和技术要求 GB/T 5023.5-2008	
上述产品符合《强制性产品认证实施规则 电线电缆》(CNCA-C01-01:2024) 的要求, 特发此证。	
发证日期: 2026 年 04 月 20 日 有效期至: 2031 年 04 月 19 日	
证书信息和有效性可扫描下方二维码或登录发证机构网站查验, 也可在认监委网站 (www.cnca.gov.cn) 查询。	
	签发: 
	中国质量认证中心 CHINA QUALITY CERTIFICATION CENTRE
中国质量认证中心有限公司	
http://www.cqc.com.cn	北京市丰台区南四环西路188号九区5号楼 100070
	电话: +86 10 83886666

A.4 Push-button certificate 0P220906.KEQD96

Ente Certificazione Macchine Srl (Italy), issued 6 September 2022, expires 5 September 2027. Holder: Kenaida Electric Co., Ltd, Yueqing, Zhejiang. Pushbutton switch LA167-B4 and LA167-B5, EN 60947-5-1:2017+AC:2020, referenced to Directive 2014/35/EU (Low Voltage), which doesn't apply to the reel at 12 V DC. A voluntary review of the maker's documents, not a test report; it states that it can't replace a Declaration of Conformity. No current rating is given. Supporting evidence only (see 3.7).

شهادة – 증명서 – Certificat – 證明書 – Сертификат – Certificate

Form QAT_10-M05, version 02, effective since September 5th, 2022

Certificate of Compliance



No. 0P220906.KEQD96

Test Report / Technical Construction File no. TLZJ22090140911

Certificate's Holder: Kenaida Electric Co., Ltd.
Zhanqian Road, Baishi Street, Yueqing City, Zhejiang Province

Certification
ECM Mark:



Product: Pushbutton switch
Model(s): LA167-B4, LA167-B5

Verification to: Standard:
EN 60947-5-1:2017+AC:2020
related to CE Directive(s):
2014/35/EU (Low Voltage)

Remark: This document is a voluntary third-party EC verification where the manufacturer voluntarily decides to have its documents concerning the above-mentioned product(s) verified. Ente Certificazione Macchine Srl confirms that the documentation provided by the manufacturer and immediately returned to it as containing sensitive data, meets the essential requirements of the above-mentioned directives and the requirements of the ECM certification mark. This document cannot replace the EC Declaration of Conformity. The above conformity mark may be affixed to the documentation in accordance with the ECM Regulation on its issue and use.

Additional information and clarification on marking:

The presence of the EC symbol shown on the left is to demonstrate the type of activity carried out.



The manufacturer must carry out the EC marking process before placing the product(s) on the market, and if the product(s) so requires, it must be submitted to a notified body. This document has been issued on the basis of the Voluntary Certificate Issuing Regulation number RCC_ECM rev. 0 and the Voluntary ECM Marking Regulation for product certification, RG01_ECM rev.3 both available at www.entecerma.it

Issuance date: 06 September 2022

Expiry date: 05 September 2027

For online check:



Approver
Ente Certificazione Macchine
Legal Representative
Luca Bedonni



Ente Certificazione Macchine Srl

Via Ca' Bella, 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO) - ITALY
☎ +39 051 6705141 📠 +39 051 6705156 ✉ info@entecerma.it 🌐 www.entecerma.it

Appendix B. Drawings and photos

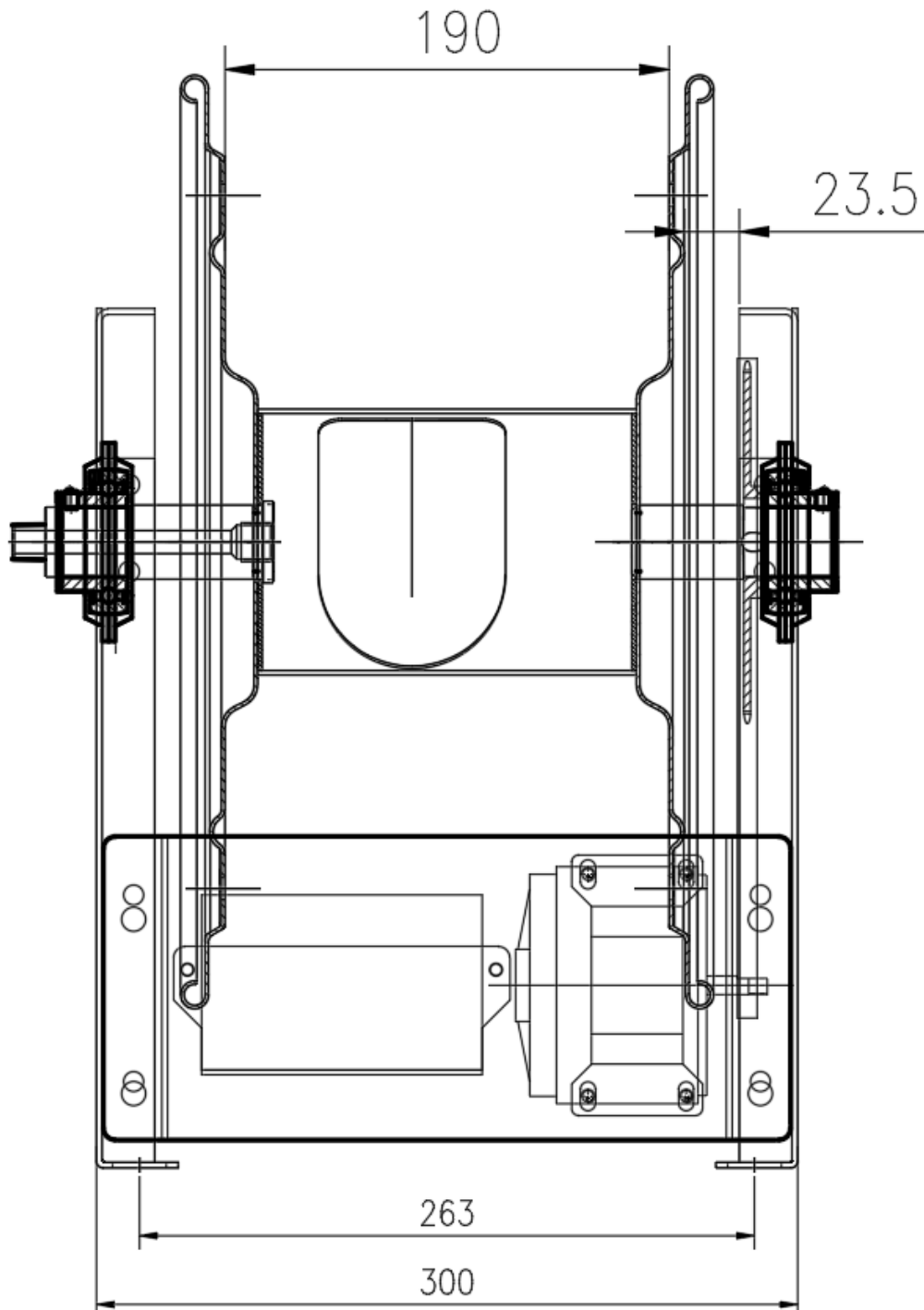
B.1 Production unit

Photographed at the supplier's factory; received 28 September 2026. Shows the grade 304 frame and drum, the roller guide, the round chain guard fixed to the frame, and the Cleanlynk Commander name on the base. The red mark is on the photo as supplied; it appears to mark the gap between the drum flange and the chain guard (3.7, row 22). Not for customer use.



B.2 General arrangement, front elevation

Supplied by JinJinYao; received 28 September 2026. Dimensions in mm: frame width 300; fixing feet 263 apart; drum 190 wide between flanges; 23.5 between the drive-side flange and the chain guard (to become 25 minimum from the next batch). Motor and gearbox sit in the base, with the chain drive on the right in this view. There's no title block, so the drawing number, revision, scale and hand (RHW or LHW) are unknown: ask for the titled drawing (10.2).



B.3 Window cleaning kit contents

Kit as supplied from 28 September 2026: Rectus 26 female coupling (1/2" BSP taper) and male plug (13 mm barb), 2 worm-drive hose clips, PTFE tape, 4 × M12 × 70 mm grade 8.8 set screws, 4 × M12 nyloc nuts, 4 × M12 washers, 4 × 40 mm plate washers, P-clip with M6 bolt and wing nut. Packed by Cleanlynk; checked at PDI.

