



The NEW DC Blue ASTUTE

1 000N of sheer force
for balanced residential tip-up and sectional doors

Make the Astute choice in garage door motors. Choose the new DC Blue Astute for a beautiful performance every time.



Super-charger + lithium battery = a powerful package!

- The Li-Ion battery is pre-installed in the motor-head housing. (Saves installation time.)
- The charger manages lithium and SLA batteries.
- Lithium-ready high-speed charger. Fully charges our standard lithium battery in 1,4 hours. It charges as quickly as a fast-charging mobile phone!
- Lithium battery backup ensures extra Nice reliability.
- Battery and charger features:
 - Battery Management System is built-in.
 - Low voltage cut-off.
 - Over voltage cut-off.
 - Short circuit cut-off.
 - Safe operating temperature control.
 - High speed battery recovery. The door can be operated within 10 minutes of charging from fully depleted depth-of-discharge, when using the Nice Li-Ion battery.
 - Works with LiFePO4, Li-Ion, AGM, GEL and Crystal Sealed Lead-Acid (SLA) batteries.
 - More than enough battery reserve for either 48 hours of standby or 70 open/close cycles, whichever comes first. (A typical single-family home uses fewer than 10 open/close cycles per day.)
- Wide range mains power input voltage (85 – 264 VAC) and frequency (47 – 63 Hz), so the motor is perfectly suited to inverter-generated power.

- Quicker installation with improved fastener kit and internal battery (no need to mount external battery).
- Same drawbar and setup methodology as other DC Blue Tip-up and Sectional Door Operators.

Long-term high performance – that's the real beauty of it

- Nice and quiet operation with the trusted strong DC Blue belt drawbar.
- Smart safety beam circuit that monitors for open circuit and short-circuiting cable faults.
- Troubleshooting and status reports are indicated both visually and audibly.
 - Indications are now only given when the user triggers the door.
- See and hear warnings when:
 - Household mains are interrupted.
 - The battery charge level is low.
 - The door is obstructed.
 - The door needs to be balanced or service is required.
 - Lock-out is enabled.
 - The safety beam trigger is preventing door from closing.
 - The door travel limits setup has not been completed correctly.

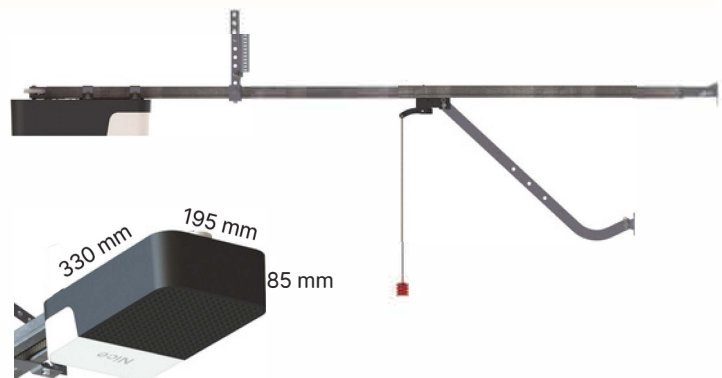


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Technical specification	DC BLUE ASTUTE
Applicable door types	Sectional overhead and trackless tip-up doors
Applicable door sizes	<15 m ²
Primary power supply	85 – 264 VAC @ 47 – 63 Hz
Rated primary power consumption	<36 W
Motor voltage	24V DC
Maximum operations per day	<20 full cycles per 24 hours @ Max. 5 cycles per hour
Rated auxiliary output	<1 A @ 12 VDC
Rated battery charging voltage	28,8 VDC
Battery type compatibility	LiFePO ₄ , SLA AGM, SLA GEL and SLA CRYSTAL
Number of operations on battery reserve without AC present	<70 cycles (From a fully charged and healthy 1,5 Ah Li-Ion battery)*
Drawbar options (Ex-stock)	2,2 m or 3,2 m or 3,7 m
Maximum running distance	8 m
Traveller speed*	8 m/min
Maximum load prior to anti-crush safety sensing/governing. (Force)	1 000 N
Anti-crushing safety sensing/governing	Yes - As per IEC SANS Safety Regulations
Safety beam input	Yes - Smart EOL monitored
Receiver format	ET BLU MIX © backward compatible with ET BLUE © - Rolling code
Receiver frequency	433,92 MHz
Receiver functions	BT: Open/close door, LT: Switch courtesy light on/off, Lock-out enable/disable.
Receiver memory capacity	35 users
All users can be allowed control of all channels	Yes
Ingress protection	IP20
Operating temperature range	0 to 45 °C (32 °F to 113 °F)

*NOTES

1. Door opening height dependent.
2. Battery state of charge (SOC) and health dependent.
3. Door load dependent.
4. Battery reserve time can be increased by installing a Nice LiFePO₄ battery.



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