Lathe Specifications

	Metric	Imperial
Swing Over Bed	457.2mm	18″
Distance Between Centres	640 mm	25″
Overall Size	1200mm (L) x 600mm (w) x 1250mm(H)	47″ (L) x 24″ (w) x 49″ (H)
Package Size	1280mm (L) x 550mm (w) x 737mm (H)	50″ (L) x 22″ (w) x 29″ (H)
Net Weight	206 Kg ± 2 Kg	454 lb ± 4 lb
Gross Weight	241 Kg ± 2 Kg	531 lb ± 4 lb
Headstock		
Spindle Thread	M33 x 3.5 RH*	1 ¼″ x 8TPI
Headstock Spindle Taper	Morse Taper #2 (MT2)	
Headstock Swivel	360° With detent positions at: -45°, 0°, 22.5°, 45°, 90°, 180°	
Headstock Slidable	Sliding Headstock	
Spindle Index	24 divisions (15 degrees apart)	
Tailstock		
Quill Taper	Morse Taper #2 (MT2)	
Quill Travel	120mm	4½″
Hole Through Tailstock	12.5mm	½″
Tool Rest		
Length	300mm	12″
Shaft Diameter	25.4mm	1″
Motor Specifications		
Motor Type	DVR Direct Drive Smart Motor	
Motor Speed Range	50 RPM ~ 4000 RPM	
Input Frequency	50Hz	60 Hz
Motor Power Output	1.8KW (2.5HP)	1.5KW (2.0HP) *
Input Voltage	220~240V	110~120V
Input Current	10A (max)	15A (max)

nova 5 YEARS 2 YEARS WARRANTY

Headstock 360 degree swivel and slide along the bed!

Teknatool INTERNATIONAL

All Woodcraft show product questions should be directed to Joe Brakhage at:
Joe.brakhage@teknatool.com or 215-275-2165

Trusted for Over 30 Years!

NOVA'S LATEST HEAVY DUTY LATHE POWERED BY OUR UNIQUE DVR SMART MOTOR TECHNOLOGY!

- **Incredible 2.5 HP Direct Drive High Torque Motor**
- **Nebula offers a wide array of computer enabled features only available with the Nova/Striatech motor technology**
- **Up to 80% power savings, computer optimizes power required**

UP TO 80% ENERGY SAVINGS

SKU: 55600
MRSP: $3,299.99

Introducing
nova™ Nebula

Our Direct Drive technology uses the same revolutionary & intelligent motor design that drives the Tesla Model 3!

Powered by STRIATECH

nova™
Smart Tools, Powerful Solutions

Game-Changing Conversations:

Nebula delivers the BEST power, intelligence and safety features in the industry!

Power & Torque: The DVR Motor is comprised of three main parts: The Rotor (machine spindle), the Stator (which creates the magnetic force to turn the Rotor) and the Rotation Sensor. Even at low RPM, the Rotation Sensor is constantly reading the spindle position and monitoring the rate of speed and rotation. Any load variation instantly alerts the computer to adjust the power and allow the machine to maintain the desired RPM.

Intelligent Computer Control: Nebula software applications open up a whole new world of lathe control functions that do not exist in traditional wood lathes. Delivers a superior, powerful direct drive system that transfers all the power you want with smooth, vibration-free efficiency over a vast speed range by simply adjusting the speed knob.

Safety (Pin Code Lock): Set a personal pin code in the menu, that locks out any unauthorized user. This pin code has proven an ideal safety feature when used in a class setting or with small children accessing the workshop. No other lathe has this safety feature! Other unique Safety features: Chisel Jam sensor/auto shutdown and excess vibration sensor/auto shutdown.

There are no brushes to wear out and few moving parts for a lifetime of trouble-free motor performance.

12" Tool Rest Capacity

Wired, Movable Remote Control

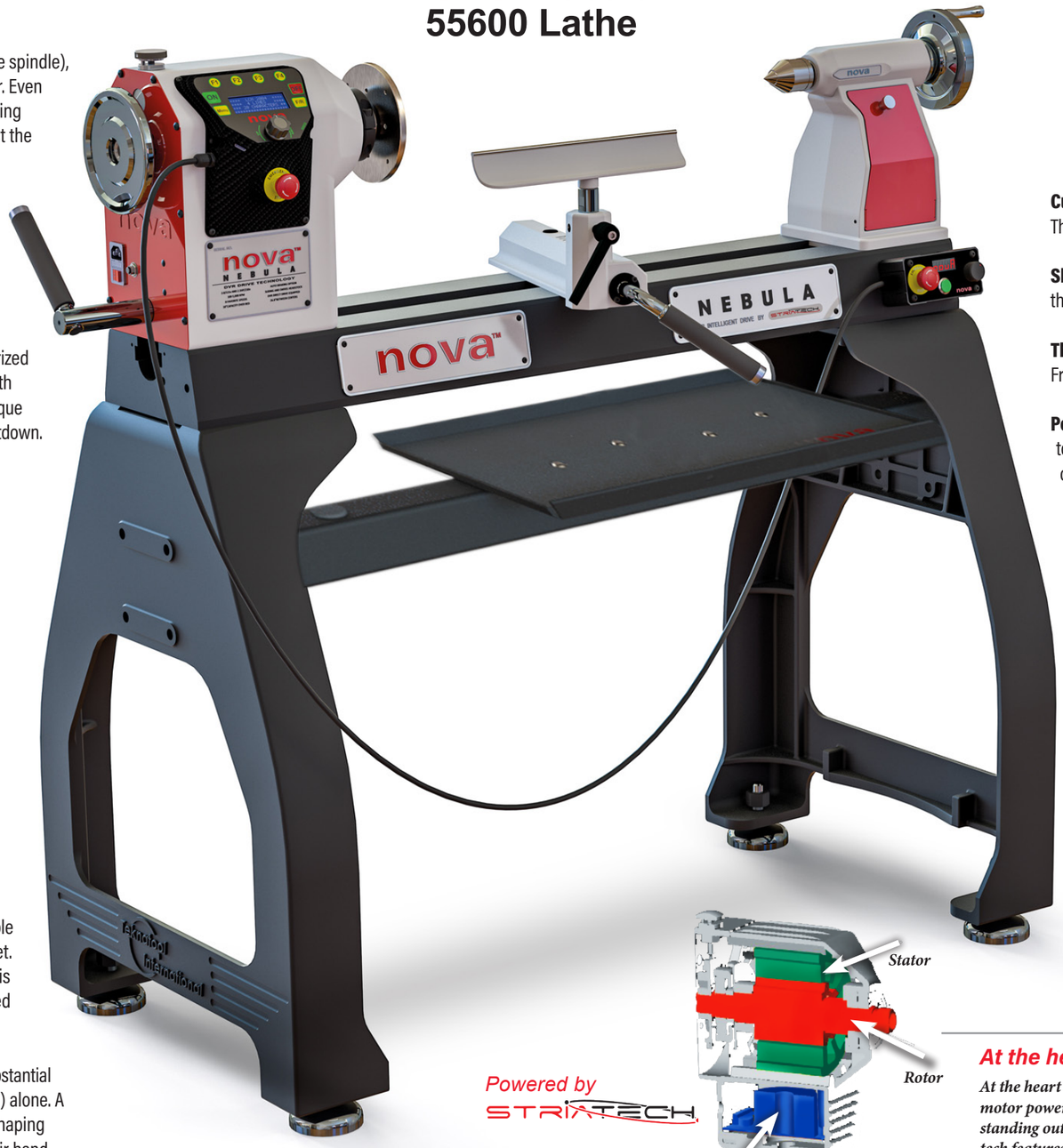
Other Benefits and Features:

Remote Control: RPM display, speed control knob, on/off, also works with braking function. EMS: Emergency Stop Switch. Strong magnet backing for convenience positioned for the user.

Speed Ramp (The Nebula has three Speed Ramp Settings): These are customizable in the menu. 1. Small Diameter Mode: When you want to ramp up quickly to the speed set. 2. Normal Mode: This covers most turning situations where a moderate speed ramp-up is required. 3. Extra Large Mode (X-lge/unbalance): This is for large or heavy, or unbalanced workpieces where you want it slowly ramp up the set speed.

Electronic Braking: Adjustable electronic braking set in the menu - from soft 1% to a substantial 25%. The most robust setting provides faster braking than EMS (Emergency Stop Button) alone. A fundamental aspect of woodworking is to stop moving workpiece to examine cut and shaping progress. Stopping the lathe quickly saves time and is safer than the operator using their hand on the hand wheel or workpiece.

nova™ Nebula 55600 Lathe



Powered by STRIATECH

Over 4.5" (115mm) Tail-stock Quill Travel using an ultra smooth trapezoidal thread resulting in a better finish while drilling.

Customize Speed Settings: There are 8 speed customizable speed settings. These are very handy in presetting your favorite turning speeds.

Slow Drying Mode: Around 50 RPM; this slow speed is for applying finishes to the completed work. Limits a liquid finish spraying out over the workshop.

Three Language Menu: The software menu quickly switches between English, French and German languages

Power Saving: The Nebula has the potential to save up to 80% power compared to regular AC/DC powered lathes. How? It all has to do with our powerful computer-controlled motor. Its mission is to monitor the motor conditions to provide the right power to maintain the speed set when varying loads (e.g. chisel cutting force) are applied to the workpiece. As the cutting force varies, minor cuts, more significant cuts, pauses in cutting - the computer only feeds enough power to meet the conditions and maintain speed.

- High-Torque Direct Drive
- Heavy duty cast iron stand
- Headstock 360 degree swivel and slide along the bed
- Extra large leveling feet
- No transmission power lost through belts & pulleys
- Quick find coarse speed adjustment over entire speed range
- (8) Programmable speed settings
- Large/small RPM screen display
- Electronic brake assist option
- Speed chart guide menu/on-screen error mode diagnostics
- Chisel jam sensor/auto shutdown
- Excess vibration sensor/auto shutdown
- Startup Speed Ramp options are safer & beneficial for more extensive work
- Pin Code: Lockout unauthorized user

At the heart of NOVA's DVR MOTOR.

At the heart of our NOVA intelligent machines is our DVR (digital variable reluctance) smart motor powered by STRIATECH. Our primary considerations for selecting the motor were standing out from the competition, delivering performance, long term reliability, smart tech features, safety, and convenience. The result? A silent, highly controllable, powerful yet extremely energy efficient durable motor.

"Powerful computer enabled features not found on any other brand lathe!"

nova
Smart Tools, Powerful Solutions