FOREST®
DRAPERY HARDWARE

SMART HOME READY

APP CONTROL

WIRELESS REMOTE

TOUCH CONTROL

FMS FOREST MOTORIZED TRACK SYSTEM

FMS The original Forest Motorized Track
FOREST SHUTTLE Motors

WHERE DESIGN
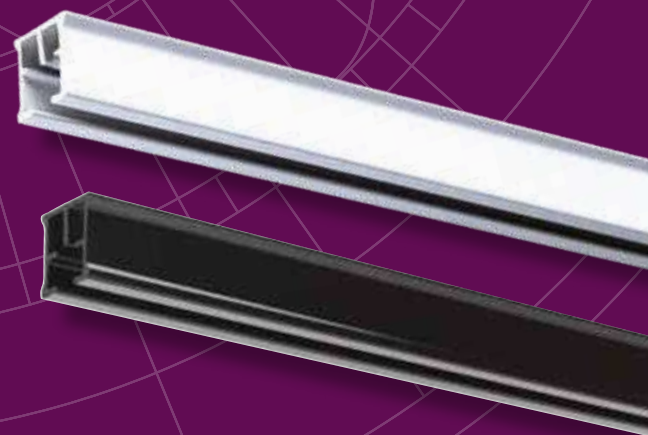### BECOMES REALITY

SHUTTLE® MOTOR COMPARISON CHART

SMART HOME READY
APP CONTROL
WIRELESS REMOTE
TOUCH CONTROL

Hey Google
Hey Siri
Hey Alexa

Scan for How To videos on the FOREST YOUTUBE CHANNEL

	SHUTTLE® HD (M)	SHUTTLE® L	SHUTTLE® ECO (S)
SPECIFICATIONS			
VOLTAGE SHUTTLE	24V DC	100-240V, 50-60Hz 0.8A	24V DC
RECEIVER	Internal, optional	Internal	Internal
POWER SUPPLY	External, 100-240V AC - 1.5A, 50-60Hz; Output 24V DC - 2.7A	Internal	External, 100-240V AC - 0.8A, 50-60Hz; Output 24V DC - 2.5A
MAX POWER	65W	40W	40W
TORQUE	1.5 Nm	1.0 Nm	1.0 Nm
TRAVEL SPEED	5.5" per second standard 7" per second maximum	5.5" per second standard 7" per second maximum	5.5" per second standard 7" per second maximum
NOISE LEVEL	< 40 dB(A)	< 40 dB(A)	< 40 dB(A)
MAXIMUM WEIGHT	160 lbs per motor 120 lbs per motor - curved track	100 lbs per motor 90 lbs per motor - curved track	100 lbs per motor 90 lbs per motor - curved track
DIMENSIONS	2.76" x 1.97" x 9.5"	2.76" x 1.97" x 11"	2.76" x 1.97" x 7.5"
CERTIFICATIONS/MARKINGS	CE/FCC/DOE	CE/FCC/DOE	CE/FCC/DOE
COLOR OPTIONS	White / Black	White	White
FEATURES			
TOUCH CONTROL TECHNOLOGY	√	√	√
INTEGRATED EMERGENCY CONTROL	√	√	√
RF COMMUNICATION STANDARD	√	√	√
Z-WAVE COMMUNICATION	-	√	-
AUTOMATION SYSTEM COMPATIBLE	√ using RS485 & dry contacts	√ using RS485 & dry contacts	√ using RS485 & dry contacts
WI-FI COMPATIBLE	√	√	√
WORKS WITH DS-XL LED DIMMER	√	√	√
WORKS WITH WIRELESS CONNECTOR	√	√	√
CAN BE USED WITH CURVED TRACK	√	√	√
PLUG & PLAY	√	√	√
WARRANTY	10 Years	10 Years	10 Years

SMART DEVICE CONNECTIVITY

	Shuttle HD & ECO	Shuttle L	Shuttle iOn	Atlantis & BCS	RBS	Forest Connect app	Google Home	Apple Homekit	Voice control Amazon Alexa	Voice control Google Assistant	Voice control Apple Siri
Forest Wireless Connector* One way transmitter to control drapery by third party app or by home automation. (433Mhz)	●	●	●	●	●		●	●	●	●	●
Forest Wi-Fi Dongle with the Forest Connect app	●	●				●	●		●	●	●
110 Volt hardwired building management system		●		●							
24Vdc (Plug-in transformer to 110 Volt AC outlet)	●				●						

* Use Fibaro, Mi Casa Verde or a Samsung Smartthings Hub with the Forest Wireless Connector when integrating with Google Home, Apple Homekit, Amazon Alexa, Google Assistant or Apple Siri.

SHUTTLE® iOn

SPECIFICATIONS

VOLTAGE SHUTTLE	14.8V DC
RECEIVER	Internal
BATTERY	Lithium iOn battery + charger (3-4 months between charges)
MAX POWER	30W
TORQUE	1.0 Nm
TRAVEL SPEED	5.5" per second standard
NOISE LEVEL	< 40 dB(A)
MAXIMUM WEIGHT	55 lbs per motor 40 lbs per motor - curved track
DIMENSIONS	2" x 3" x 12.25"
CERTIFICATIONS/MARKINGS	CE/FCC/DOE
COLOR OPTIONS	White

FEATURES

TOUCH CONTROL TECHNOLOGY	√
INTEGRATED EMERGENCY CONTROL	√
RF COMMUNICATION STANDARD	√
Z-WAVE COMMUNICATION	-
AUTOMATION SYSTEM COMPATIBLE	√ using RS485 & dry contacts
WI-FI COMPATIBLE	√
WORKS WITH DS-XL LED DIMMER	√
WORKS WITH WIRELESS CONNECTOR	√
CAN BE USED WITH CURVED TRACK	√
PLUG & PLAY	√
WARRANTY	10 Years on motor 2 years on battery pack

Our wide variety of control options make finding a fit for your windows easy – controlling the drapes by hand, remote or even by home automation system. Controlling the motorized system with your smart phone or tablet, you can create and schedule customized room scenes that allow your drapes to operate on their own throughout the day no matter where you are.

FOREST DIAMOND SENSE REMOTE
15-channel remote controls up to 15 motors individually and together, with a timer or manually. Range up to 98 feet. Wall mounted holder included.

FOREST WI-FI DONGLE
With the Forest Wi-Fi Dongle, you can control your motorized system with your smart phone or tablet using the Forest Connect app, or by voice command when integrated with Google Home, Amazon Echo and Siri.

FOREST WIRELESS CONNECTOR
With the Wireless Connector make your new or existing Shuttle motorized drapery system "smart". Add a smart plug and use with Apple Homekit, Google Assistant, or Amazon Alexa. Also, easily incorporate with building management systems, including dry contact controls.
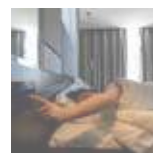
BUILDING AUTOMATION / HOTEL ROOM CONTROLS
All 4 Forest Shuttles can be connected to any building automation system, by relay control.

Scan for more information on the
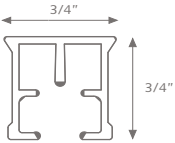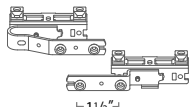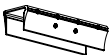FMS Motorized Track System

FMS® FOREST MOTORIZED SYSTEM
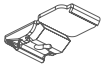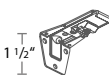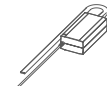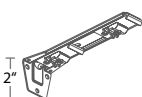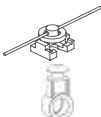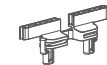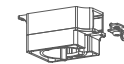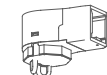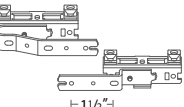
- The original Forest motorized track, aluminum extrusion, white, powder coated and lubricated with a patented process. Ultra-quiet and smooth operation for contract or residential applications.

- Track can be bent or curved. An actual size template is required. See additional bending and curving information at the end of this brochure.

- Maximum weight is 6 lbs/ft.

- Motorize with any Forest Shuttle. See all motor specifications on prior pages. All Forest Shuttle motors include a 10 year warranty.

- Control drapes with a gentle tug, wall switch remote, any home automation system or by smart phone app.

ASSEMBLED SYSTEM

Includes track, masters, pinchpleat or ripplefold carriers, brackets, motor, power supply, and Diamond Sense remote or wall switch.

FOREST MOTORIZED TRACK SYSTEM

FMS	COMPONENT
	51323-25 white **59** black FMS Track 23' x 10 tracks per bundle bundle = 230'
	3906-25 **59** black Track Connector and Key **3904-00**
	3003-25 **59** black HD Klick Ceiling Bracket
	30031-25 **59** black Ceiling Bracket Cover
	53202-25 **59** black 3" Klick Single Wall Bracket with wide base adjusts 3"- 4 1/2"
	53206-25 **59** black 6" Klick Double Wall Bracket with wide base adjusts 2 1/2"- 4" and 6"- 7 1/2"
	Two Piece Connected Snap Carrier w/ Square Base, in plastic sleeve. Use 1 1/4" snap tape **2114-25, 59** black 60% fullness, 2 5/8" OC **2111-25, 65** brown**, 90** silver 80% fullness, 2 3/8" OC **2112-25, 59** black 100% fullness, 2 1/8" OC **2115-25, 59** black 120% fullness, 1 7/8" OC
	52008-25 **59** black Slim Line Klick Carrier Draperies hang to conceal track
	52009-25 Ball Bearing Carrier for motorization
	52508-25 Overlap Right **52509-25** Underlap Left **59** black Belt Master Carrier

| FMS	COMPONENT
	52508-25A Overlap Right **52509-25A** Underlap Left **59A** black Belt Master Carrier with snaps
	52410-25 Butt Right **52409-25** Butt Left **59** black Butt Master Carrier with snaps
	2552-25 6" Extension Arm for master Use w/ two one-way draw
	52925-25 Shuttle HD (M) white **52925-59** Shuttle HD (M) black **52923-25** Shuttle L **52939-25** Shuttle Eco (S) **52926-25** Shuttle iOn See motor specs on prior pages
	52928-25 7' 6" power cord **52934-25** 16' power cord Includes 24 v Power Supply
	9012-25 Transport Belt Kevlar reinforced
	52512-25 white **59** black Transport Belt Connector
	52903-25 **59** black Motor Pulley Connects motor to track
	52910-25 **59** black Return Pulley
	52931-25D white **59D** black Diamond Sense Remote RF, 15 channel w/ holder, Range 98'
	52933-25 white **59** black Diamond Sense Wall Switch 15 channel
	52947-25 Wireless Connector One-way transmitter to control drapery by third party app or home automation. Works with all Forest Shuttle & tubular motors.
	52948-25 **59** black Wi-Fi Dongle Bi-directional communication using Forest Connect app. Use with Forest Shuttle motors.

ASSEMBLY/INSTALLATION

See diagram below for basic components of the FMS system.

Scan for more information on assembly and installation.
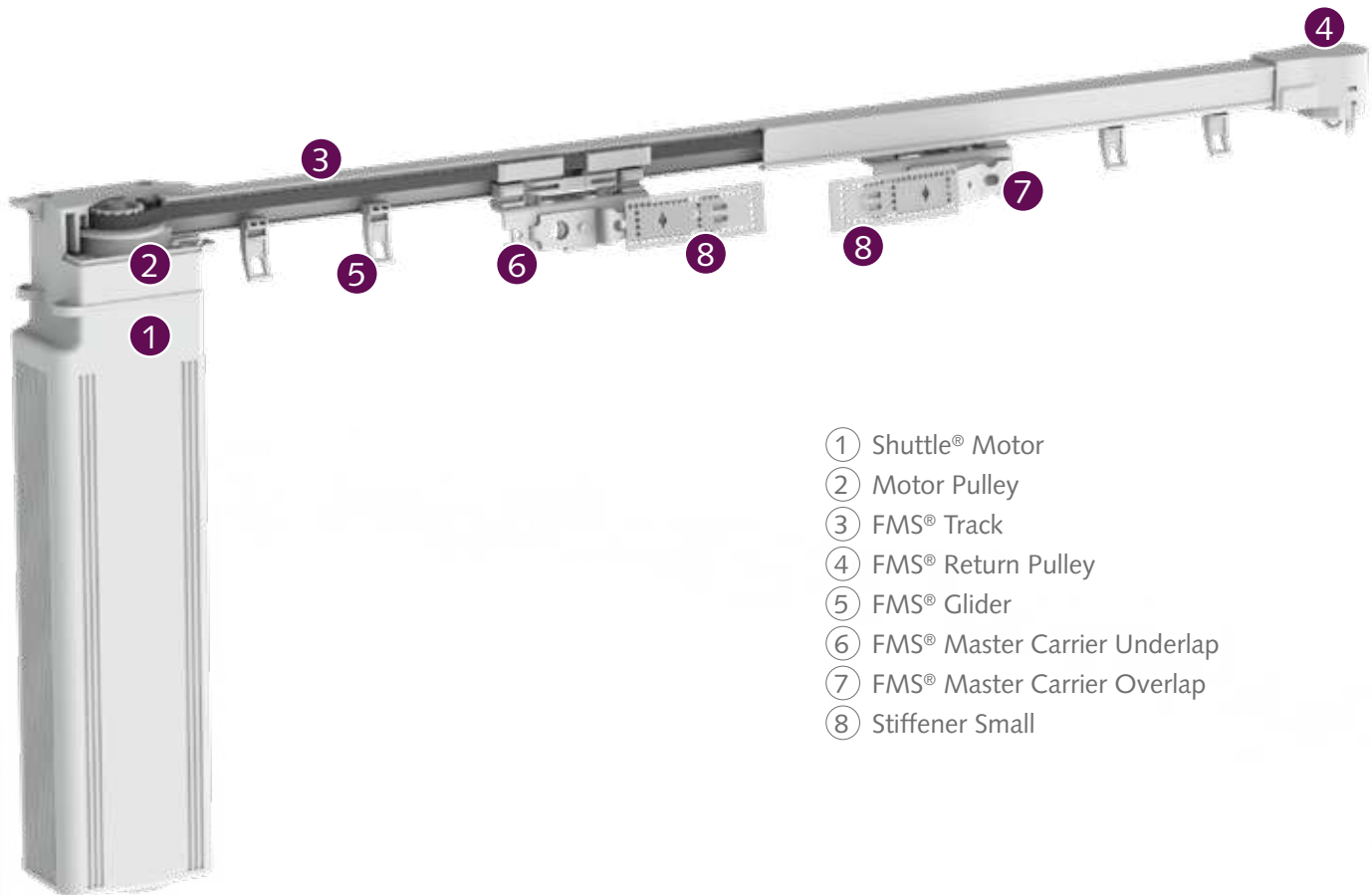
1. Shuttle® Motor
2. Motor Pulley
3. FMS® Track
4. FMS® Return Pulley
5. FMS® Glider
6. FMS® Master Carrier Underlap
7. FMS® Master Carrier Overlap
8. Stiffener Small

BENDING / CURVING

The FMS® track can be bent and reversed bent with a radius of 8″. Continiuous curving can be done with the Electric Powered Bender.

Minimun radius is 8"

Minimum is 23"

Minimum radius is 19.5"