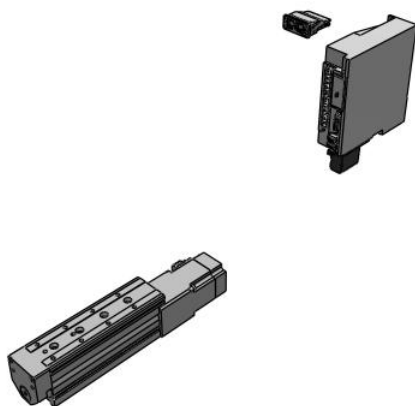




AC Servo Motor Type – LESYH LESYH25DT7A-100-R5PD21

Datasheet

General series information

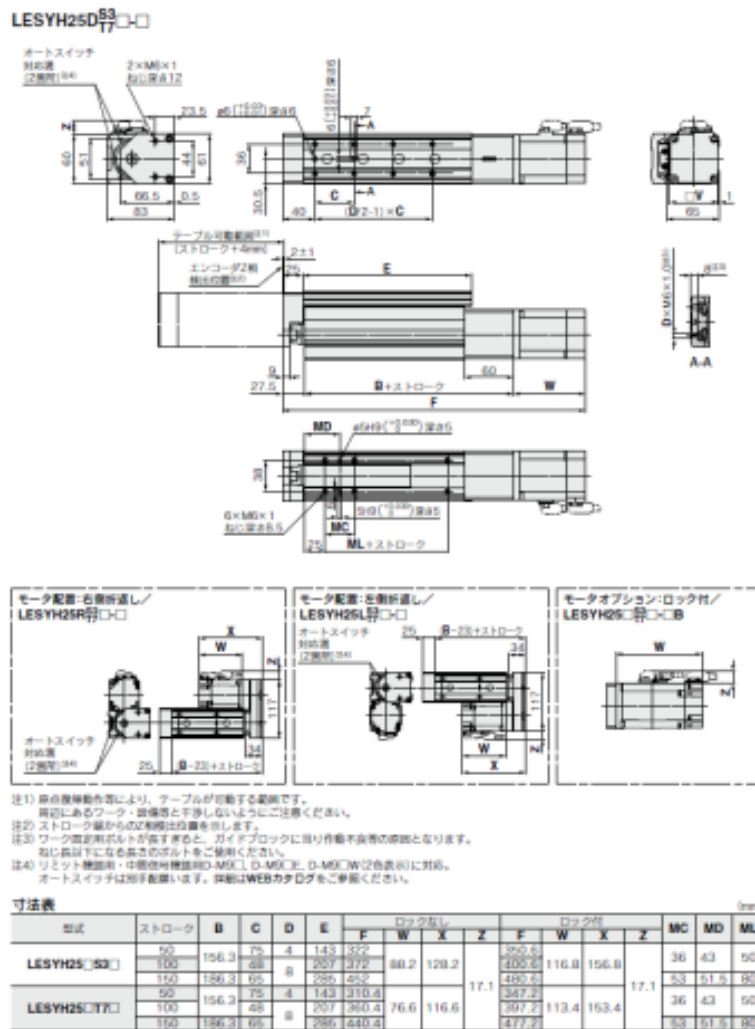
- Body size: 16 and 25 mm
- Stroke: 50 to 150 mm
- Speed: up to 400 mm/s
- Acceleration: up to 5000 mm/s²
- Encoder: Incremental.

Standard specifications

Size	25
Motor Mounting Position	D (In-line)
Motor Type	T7 (200W Output, Absolute Encoder, LECSB/C/S/N)
Lead	A (Size 16: 12 mm, Size 25: 16 mm(D)/20 mm(R/L))
Stroke	100 mm
Motor Option	Without lock
Actuator Cable type	R (Robotic Cable, Flexible Cable)
Actuator Cable Length	5 (5m)
Driver Type	PD2 (LECSND2-T-P/PROFINET®, 200 V to 240 V)
I/O Connector	1 (1.5 m)
Pushing speed	30 mm/s or less
Lost motion	0.1 mm or less
Impact/Vibration resistance	50/20 m/s ²
Actuation type	Ball screw + Belt (Parallel), Ball screw (In-line)
Motor type	AC servo motor (200 VAC)

Encoder	Motor type T6, T7: Absolute 22-bit encoder (Resolution: 4194304 p/rev) (For LECSB-T, LECSS-T, LECSN-T) Motor type T6, T7: Absolute 18-bit encoder (Resolution: 262144 p/rev) (For LECSC-T)
Horizontal work load	12 kg
Vertical work load	10 - 20 kg
Speed	200 - 400 mm/s
Max. Acceleration/deceleration	5000 mm/s ²
Operating humidity range	90 % RH or less (No condensation)
Positioning repeatability	±0.01 mm
Power Consumption	65 W (horizontal), 175 W (vertical)
Operating temperature range	5 - 40 °C
Pushing force	98 - 197 N, 192 - 385 N
Lock: Holding force	197 - 385 N
Guide type	Linear guide (Circulating type)
Standby power consumption when operating	2 W (horizontal), 8 W (vertical)
Max. instantaneous power consumption	724 W
Lock unit type	Non-magnetizing lock
Lock unit power consumption	7.9 W
Lock unit rated voltage	24 VDC ±10%
Motor output/size	200 W/60

Dimensions



Additional information

Catalogue	LESYH-A_EU.pdf
Declaration of conformity	newDoC_LESYH_servoAC_V6_V7_EN.pdf newDoC_LESYH_servoAC_S2_S3_EN.pdf newDoC_LESYH_servoAC_T6_T7_EN.pdf
Installation manuals	IM_LESYH_ServoAC_EN.pdf
Operation manuals	OM_LESYH_servoAC_EN.pdf