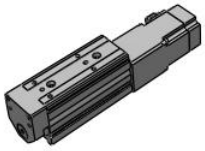

AC Servo Motor Type – LESYH
LESYH25DT7A-50-R5ED21

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/s^2
- 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	50 mm
Motor Option	Without lock
Actuator Cable type	R (Robotic Cable, Flexible Cable)
Actuator Cable Length	5 (5m)
Driver Type	ED2 (LECSND2-T-E/EtherCAT®, 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/s2
Actuation type	Ball screw + Belt (Parallel), Ball screw (In-line)
Motor type	AC servo motor (200 VAC)

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

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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/s2
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 ºC
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

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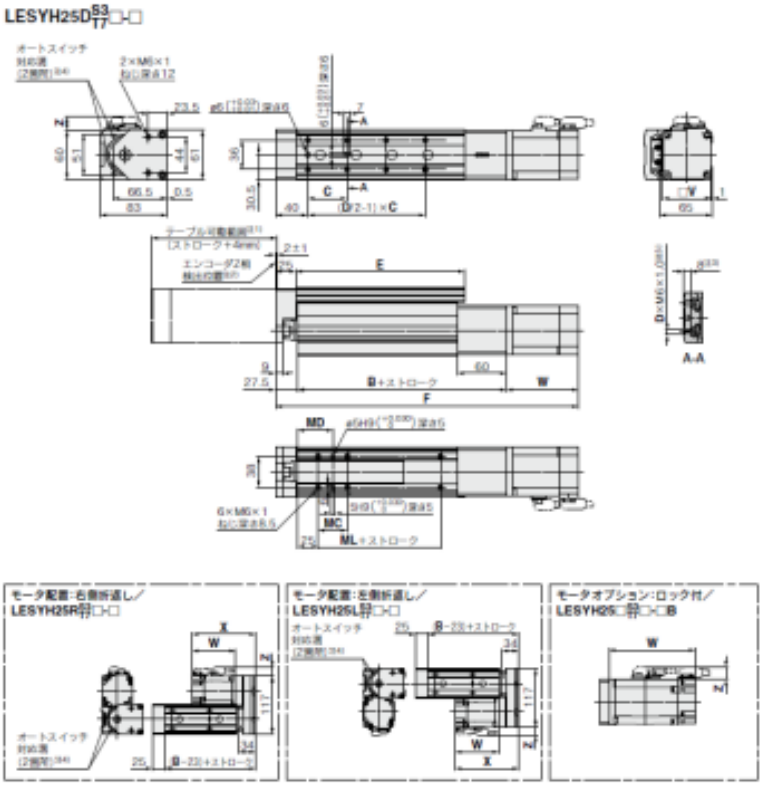
Dimensions



注1) 原点復帰動作等により、テーブルが可動する範囲です。
周辺にあるワーク・設備等と干渉しないようにご注意ください。
注2) ストローク端からの制限位置を示します。
注3) ワーク固定用ボルトが長すぎると、ガイドブロックに当り作動不良等の原因となります。
ねじ長さ以下になる長さのボルトをご使用ください。
注4) リミットセンサ検出用・中間位置検出用D-M9□、D-M9□E、D-M9□W(2色表示)に対応。
オートスイッチは別手配願います。詳細はWEBカタログをご参照ください。

寸法表

(mm)

型式	ストローク	B	C	D	E	ロック なし F	ロック なし W	ロック なし X	ロック なし Z	ロック付 F	ロック付 W	ロック付 X	ロック付 Z	MC	MD	ML
LESYH25□53□	50	156.3	75	4	143	322	88.2	129.2	17.1	350.6	116.8	156.8	17.1	36	43	50
	100		48	8	207	372				400.6						
	150	186.3	65		286	452				480.6				53	51.5	80
LESYH25□T7□	50	156.3	75	4	143	310.4	76.6	116.6		347.2	113.4	153.4		36	43	50
	100		48	8	207	360.4				397.2						
	150	186.3	65		286	440.4				477.2				53	51.5	80

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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

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