

LS ELECTRIC L7C Series AC Servo Systems

Accessories, *continued*

Braking Resistors

Use external braking resistors to provide additional regenerative capacity and to dissipate heat away from the servo drive.

Part Number	Price	Description	Drawing	Compatible Drives
<u>APCS-140R50-AD</u>	\$17.00	LS Electric braking resistor, 140W, 50 ohm, encapsulated.	PDF	All L7C series drives
<u>APCS-300R30-AD</u>	\$22.00	LS Electric braking resistor, 300W, 30 ohm, encapsulated.	PDF	All L7C series drives



APCS-140R50-AD

EMI Filter

Input EMI filters reduce electromagnetic interference or noise on the input side of the servo drive. They are required for CE compliance and recommended for installations prone to or sensitive to electromagnetic interference.

Part Number	Price	Description	Drawing	Compatible Drives
<u>TB6-B010LBEI</u>	\$79.00	LS Electric EMI input filter, 440VAC, 3-phase, 10A, panel mount, EMI/RFI filtering, drive rated, standard performance, screw terminals.	PDF	All L7C series drives



TB6-B010LBEI

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Accessories, continued

Planetary Gearboxes

Precision planetary gearboxes can increase the torque output of servo systems while reducing the reflected load inertia for higher response. Gearboxes offer high stiffness, high efficiency, and very quiet operation. Input motor shaft clamp, oversized output shaft key, and mounting hardware are included for mating to APMC-FBL and -FCL series motors.

Features:

- Maintenance free (no need to replace lubrication)
- IP65
- Operating temperature range of -10°C to +90°C [14°F to 194°F]
- Uses VIGO Grease RE #0



MSS Series Planetary Gearbox

MSS Series Planetary Gearbox Specifications						
Model	96200004	96200005	96200103	96200007	96200008	96200257
Manufacturer Part Number	MSS0601A-005KS-B3110103C14	MSS0601A-010KS-B3110103C14	MSS0902B-020KS-B3110103C14	MSS0901A-005KS-C3110103C19	MSS0901A-010KS-C3110103C19	MSS1152B-020KS-C3110103C19
Compatible Motors	All APMC-FBL series 100–400W motors			All APMC-FCL series 750–1kW motors		
Price	\$264.00	\$272.00	\$484.00	\$355.00	\$355.00	\$699.00
Drawing	PDF	PDF	PDF	PDF	PDF	PDF
Ratio	5:1	10:1	20:1	5:1	10:1	20:1
Nominal Output Torque	54 N·m	42 N·m	143 N·m	160 N·m	121 N·m	295 N·m
Inertia	0.13 kg/cm ²	0.13 kg/cm ²	0.13 kg/cm ²	0.48 kg/cm ²	0.44 kg/cm ²	0.48 kg/cm ²
Output Shaft Diameter	16mm	16mm	22mm	22mm	22mm	32mm
Stage	1	1	2	1	1	2
Frame	60mm	60mm	90mm	90mm	90mm	115mm
Nominal Input Speed (rpm)	5,000	5,000	4,000	4,000	4,000	4,000
Max Input Speed (rpm)	10,000	10,000	8,000	8,000	8,000	8,000
Emergency Stop Torque	3 times nominal output torque					
Noise (dB)	≤54	≤54	≤56	≤56	≤56	≤59
Efficiency (%)	≥97	≥97	≥94	≥97	≥97	≥94
Backlash (Arcmin)	≤7	≤7	≤9	≤7	≤7	≤9
Max Radial Load (N)	1,280	1,280	3,200	3,200	3,200	6,800
Max Axial Load (N)	690	690	1,600	1,600	1,600	3,400
Service Life (Hours)	20,000 (10,000 under continuous operation)					