

AC / DC Controls

DC Adjustable Speed Drives

SCR Thyristor Controls



LEESON Speedmaster DC Control information

PWM and SCR Controls

General Specifications:

- General purpose for permanent magnet or shunt wound DC motors
- NEMA 4X and 4/12 suitable for washdown applications
- Dual voltage capable on most designs – see HP range
- 115 / 230 volt single-phase input voltage – DC 90 volt or 180 volt output
- Adjustable minimum and maximum speed
- Speed pot included on chassis controls
- Adjustable IR compensation
- Heat sinks required as noted
- PWM controls provide quieter operation, lower motor temperature and greater motor overload capacity

Regenerative Controls

General Specifications:

- Four quadrant controls for precise motion control
- NEMA 4X or chassis style
- Motoring and braking torque regulation ¼ HP through 2 HP

15 Series

General Specifications:

- Dual voltage – 12/24 VAC or 120/240 VAC Input
- Adjustable minimum and maximum speed
- Adjustable IR compensation
- Fixed acceleration – (0.5 seconds)
- 5K ohm speed pot included
- 25:1 speed range and 1% speed regulation

For NEMA Frame Motors & Gearmotors

SCR Controls - Enclosed - Single Phase Input 50/60 Hz

Description	Catalog Number	List Price	Output Amps	HP Range		App. Wgt. (lbs.)
				115V	230V	
NEMA 1 General Purpose						
— Non-Reversing	174307.00	435	10	1/8 to 1 ⊕	1/4 to 2 ⊕	5
— Reversing with dynamic braking	174308.00	595	10	1/8 to 1 ⊕	1/4 to 2 ⊕	5
— Heat Sink H	174316.00	97	—	—	—	1
NEMA 4X Washdown—Dust-Tight						
— Non-Reversing, Plastic Enclosure	174102.00	592	10	1/8 to 1	1/4 to 2	6
— Non-Reversing, Plastic Enclosure	174103.00	862	10	1/8 to 1	1/4 to 2	7
with Signal Follower						
— Reversing, Plastic Enclosure*	174107.00	804	10	1/8 to 1	1/4 to 2	7
NEMA 4						
— Non-Reversing 3HP	174709.00	1138	15	—	3	8

See footnotes on page 349

Specifications are subject to change without notice

