

Cleaning

WARNING: Remove power before any cleaning operation is started.



Keep the drive enclosure clean by using a mild detergent solution. Never immerse or use excessive fluid when cleaning the drive.

Replacement Parts

Drive Model #	Gear/Motor Assembly
7543-01	D - 1562 - 1
7543-02	D - 1562 - 2
7543-06	D - 1562 - 3
7543-12	D - 1562 - 4
7543-20	D - 1562 - 5
7543-30	D - 1562 - 6
7543-60	D - 1562 - 7
7544-01	D - 1562 - 8
7544-02	D - 1562 - 9
7544-06	D - 1562 - 10
7544-12	D - 1562 - 11
7544-20	D - 1562 - 12
7544-30	D - 1562 - 13
7544-60	D - 1562 - 14

Gear/Motor Assembly Replacement Instructions

Disconnect power from the drive. Remove pump assembly if attached. Remove cover. Disconnect power and ground wires from power cord to motor. Remove gear/motor assembly from mounting plate. Install new gear/motor assembly to mounting plate. Connect power and ground wires from cord to motor. Be sure ground wire is attached to chassis. Reinstall cover. Apply power to test unit. Attach pump to drive.

SPECIFICATIONS

Output:

Model#	Speed (rpm)	Torque (in-oz) (kg-cm)		Pump Heads	Current (Amps)
7543-01	1	224	16	2	.5
7543-02	2	224	16	2	.5
7543-06	6	224	16	2	.6
7543-12	12	224	16	2	.6
7543-20	20	208	15	2	1.2
7543-30	30	224	16	2	1.2
7543-60	60	112	8	1	1.2

Model#	Speed (rpm)	Torque (in-oz) (kg-cm)	Pump Heads	Current (Amps)
7544-01	1 x (5/6)*	224 16	2	.25
7544-02	2 x (5/6)*	224 16	2	.25
7544-06	6 x (5/6)*	224 16	2	.3
7544-12	12 x (5/6)*	224 16	2	.3
7544-20	20 x (5/6)*	208 15	2	.6
7544-30	30 x (5/6)*	224 16	2	.6
7544-60	60 x (5/6)*	112 8	1	.6

***Note:** Speed for the 7544 series drives is 5/6 that of the 7543 series due to operation at 50 Hz.

Input:

Operating Voltage/Frequency:

7543 Series 115V AC ± 10%, 60 Hz

7544 Series 230V AC ± 10%, 50 Hz

Installation Category: Installation category II per IEC 664 (local level—appliances, portable equipment, etc.)

Environment:

Operating Temperature: 0°C to 40°C

Storage Temperature: -45°C to 65°C

Humidity: 10% to 90% non-condensing

Altitude: Less than 2000 meters

Pollution Degree: Pollution degree 2 per IEC 664 (indoor usage—lab, office)

Construction:

Dimensions (L x W x H): 15.1 cm x 10.2 cm x 11.1 cm (6 in x 4 in x 4.4 in)

Weight: 2.3 kgs (5.1 lbs)

Color: Gray and black

Material: Painted steel housing

Enclosure Rating: IP21 per IEC 529

Compliance: 230V (For CE Mark): EN61010-1/A2: 1995 (EU Low Voltage Directive) and EN61326-1/A1: 1998 (EU EMC Directive)