

Please read and save these instructions. Read carefully before attempting to assemble, install, operate, or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

Dayton® Cylinder Lift Truck

Description

The Dayton® Cylinder Lift Truck has a maximum load capacity of 300 lbs. and is intended for both manual lifting/lowering and transportation of loads. 26W609 uses a Hydraulic Foot Pump Elevation Method, and 26W610 uses a Hand Winch Elevation Method. **The use of these lifts requires a level and firm surface.** Save valuable time and manpower throughout the plant (be it the shop, warehouse, stockroom, or receiving department), wherever aisles and congested areas prevent the use of larger equipment. **Use of this lift is not suitable for hostile environments and/or around potentially combustible materials.**

Specifications for multiple types of Cylinder Lift Truck may be described in these Operating Instructions. During operation and maintenance, apply **only** the relevant aspects for the Cylinder Lift Truck that you have purchased.

General Safety Information

CAUTION Operation, assembly, and maintenance should only be performed by instructed and qualified operators.

Qualified operators are those who, on the basis of their training, experience, instruction, and knowledge of the relevant standards and regulations, regulations for accident prevention, and operating conditions, are authorised by those responsible for plant safety, to carry out the respective required tasks while being able to recognize and prevent associated and potential hazards.

1. Operation is only permitted on a level and firm surface.
2. Transporting people (especially in the vicinity of the danger zone) is

prohibited.

3. Presence of persons or objects under a raised load is prohibited.
4. The specified load capacity must not be exceeded.
5. Never use for loads exceeding the size and capacity of the platform.
6. Ensure the loaded material is distributed evenly on the lift platform/ forks.
7. Never load the Cylinder Lift Truck while the platform/forks is in a raised position.
8. Never leave the load unattended while in a raised position.
9. Never reach into moving parts.
10. Use caution and be aware of pinch and crush points. Never place hands or feet under platform / forks.
11. Defects are to be dealt with

Specifications

Model	Load Capacity)	Max. Lifting Height	Min. Lifting Height	Platform Length	Platform Width	Overall Width	Overall Length	Overall Height	Wheels
26W609	300Lbs	40"	1/4"	20"	12"	29-1/4"	20-3/4"	52"	2 rigid, 2 swivel
26W610	300Lbs	40"	1/4"	20"	12"	29-1/4"	20-3/4"	58"	2 rigid, 2 swivel

*WARNING: MAXIMUM LOAD CAPACITY RATING IS FOR EVENLY DISTRIBUTED AND CENTERED LOADS.



Figure 1

12. Only use genuine and manufacturer approved spare parts.
13. Dispose of carton and packing materials in an environmentally friendly manner.

Dayton® Cylinder Lift Truck

Assembly and Commissioning

Your Cylinder Lift Truck comes fully assembled. Inspect the cylinder lift truck for transit damage before operation. Refer to the replacement parts illustration and list in order to identify the equipment's parts. Unpack and separate all components, checking that all parts are accounted for and undamaged. If damage is evident, notify the delivery carrier immediately and file all necessary claims.

Carefully read all manuals included with this product **prior** to use. Never exceed the specified maximum capacity of the Manual Platform Lifts.

Operation

Functional description

The Cylinder Lift Truck 26W609 is a manually-operated hydraulic device, and 26W610 is a hand winch elevation device.

Handling

Prior to use, check:

- Proper function of the operating elements.
- Function of the parking brake.
- State of the travelling rollers and roller axles.
- Load chain (26W609) or wire-rope (26W610) for adjustment, tension, and wear.

Parking brake

The steering wheel of the Cylinder Lift Truck is equipped with a parking brake. When raising/lowering the lift, activate the parking brake.

Picking up a load

- Check that the load does not exceed the loading capacity of the manual platform lifts.
- Check that the loads do not exceed the size and capacity of the platform.
- Raise the load by executing the

necessary pumping movement (26W609).
 -- Raise the load by firmly grasping the winch handle and rotating clockwise. **DO NOT** allow the cable to wind unevenly onto the winch drum (26W610).

▲ WARNING The load must be evenly distributed across both prongs of the platform. The specified maximum load center of gravity must not be exceeded.

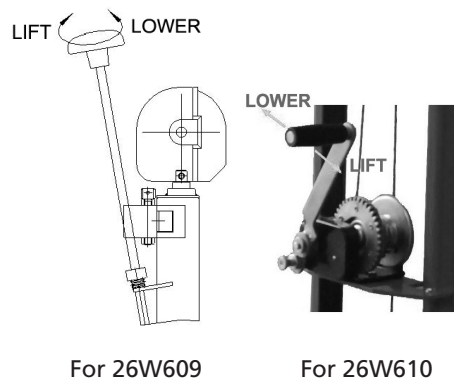


Figure 2

Moving with the load

▲ WARNING The Cylinder Lift Truck must not be operated uphill or on gradients. Level and sturdy foundations only.

Travel with the load in the lowest possible position with regards to the clearance between the floor and the bottom of the load.

▲ CAUTION The load should be moved with lifted platform for stacking and depositing on even surface.

Travel with a steady speed, suited for the load and floor conditions. When depositing loads, activate the parking brake.

Setting the load down

- Stop just before the stacking area and lift the load from a safe distance over the pile.

- Maneuver the load directly above the pile.

- Lower the load until the platform is discharged.

- Lower the load by turning the release valve (26W609).

- Lower the load by firmly grasping the winch handle and rotating counter-clockwise. After lowering to the desired position, turn the winch handle clockwise a 1/4 of a turn to set the brake (26W610).

- Check behind the lift to ensure a safe reverse, free of hazards and obstacles, then move away and lower the platform.

Maintenance

▲ WARNING Remove loads before performing inspection or maintenance work.

All bushings and bearings have been lubricated at the factory. To extend their lifespan and functionality, regular maintenance is recommended. Use the appropriate grease for the application and lubricate each grease fitting every 6 months. Harsh environments may require more frequent maintenance.

OIL (26W609)

Please check the oil level every six months. Hydraulic oil: ISO VG32 with viscosity of 30cSt at 104°F. Total volume is about 1.5L.

Air Removal (26E609)

Air may leak into the hydraulic oil due to transportation or the pump being in the upright (LIFT) position. It can cause the platform/forks to not elevate properly while being pumped up in the lift position. Air can be removed the following way: Set the control handle on the LOWER position, then move the pedal up and down several times to push out the unwanted air.

Models 26W609 and 26W610

Maintenance (Continued)

DAILY

Daily checks of the Cylinder Lift Truck can minimize unnecessary wear and damage. Special attention should be given to the winch and wire-rope (26W610) or chain (26W609), wheels, and axles, as thread, rags, and other debris may block movement and functionality of the components. The lift's platform/forks should always be unloaded and lowered to the lowest position when a task is completed and/or not in use.

1. Check operating elements for faultless operation.
2. Check condition of the travelling rollers and roller axles.
3. Check the stability of the supply as well as the tension of the chain (26W609) / wire-rope (26W610).

MONTHLY

1. Grease joints and bearings.
2. Check and verify that all labels are in place and in good, legible condition.
3. Clean off dirt and debris.
4. Check the adjustment of the lifting chain (26W609) / wire-rope (26W610) and the movement chain / wire-rope. Re-adjust, clean, and grease as needed.
5. Check all screw and bolt connections for tightness.
6. Check the functionality and turning capabilities of wheels and rollers.
7. Check hydraulic oil level with platform/ forks fully lowered and the lift in a horizontal position.(26W609)

YEARLY

1. Check legibility of the type plate.
2. Authorize inspection by a qualified

technical expert..

3. Check all parts for wear and replace defective parts if necessary.
4. Change the oil in the hydraulic system. **Ventilate the hydraulic system (26W609).**

⚠ WARNING *Do not attempt to repair the manual platform lifts unless you are trained and authorized to do so. Improper maintenance may result in serious injuries.*

⚠ WARNING *These products may not be altered in any way without written permission from the manufacturer.*

⚠ CAUTION *The service life of your cylinder lift truck is limited. Worn parts must be replace.*

E
N
G
L
I
S
H

Troubleshooting Chart (26W609)

Symptom	Possible Cause(s)	Corrective Action
The platform can not be lifted up the maximum height	1. Low hydraulic fluid level.	1. Add approved hydraulic fluid.
The platform does not raise or raises slowly	1. Low hydraulic fluid level or impurities in oil. 2. The knob (54) is in the wrong position. 3. Load is too heavy, activating the overload release valve. 4. Temperature is too low and the hydraulic oil has become too thick.	1. Add approved hydraulic fluid or change oil. 2. Turn the knob (54) to the right position. 3. Reduce load. 4. Move the truck to a warmer location.
The platform does not lower or lower completely	1. Obstacle located under truck, in platform mechanism, etc.. 2. The knob (54) is in the wrong position. 3. Platform was left in a raised position for an extended time, causing exposed piston rod to rust. 4. The screw (53) is loose.	1. Cautiously remove the obstacle. 2. Turn the knob (54) to the right position. 3. Keep platform in the lowest position. when not in use and keep piston rod well lubricated. 4. Tighten the screw (53).
The platform lowers without use of the release valve	1. The impurities in the oil cause the release valve to be unable to completely close. 2. Some parts of hydraulic system is cracked or bored. 3. There is air in the oil. 4. Sealing parts are worn or damaged. 5. The knob (54) is in the wrong position.	1. Replace with new oil. 2. Inspect and replace the damaged parts. 3. Remove the air. 4. Replace damaged parts. 5. Turn the knob (54) to the right position.
Leaks oil	1. Worn or damaged seals. 2. Other cracked or worn parts.	1. Replace seals. 2. Replace damaged parts.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list

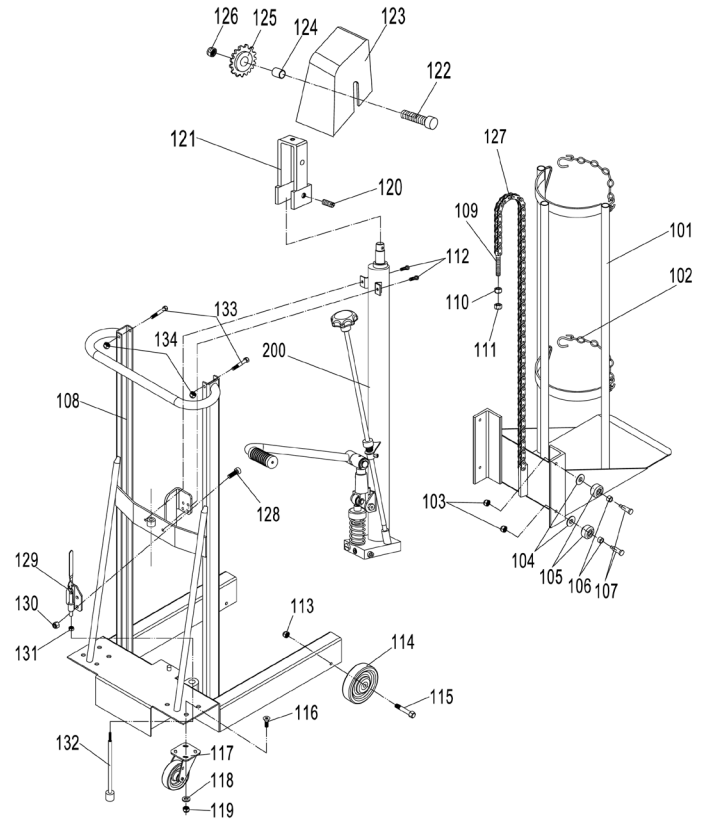


Figure 3 – Repair Parts Illustration for Cylinder Lift Truck: 26W609

Repair Parts List for Cylinder Lift Truck: 26W609

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
101	Platform carriage	MH26W60901G	1	119	Lock nut, M8	**	8
102	Chain	MH26W60902G	2	120	Screw, M6x10	**	1
103	Lock nut, M8	**	4	121	Winch support	MH2MPT216G	1
104	Flat washer, 8	**	4		Wheel kit	MH2MPU503G	1
105	Roller	MH26W60903G	4	122	Bolt	▲	1
106	Bushing, 12*15*20	MH26W60904G	4	123	Nut, M8	▲	1
107	Axle for roller	MH26W60905G	4	124	Bushing	▲	1
108	Mast	*	1	125	Winch wheel	▲	1
109	Chain bolt	MH26W60906G	1	126	Winch protection	MH2MPU502G	1
110	Thin nut, M12	**	1	127	Chain	MH26W60909G	1
111	Lock nut, M12	**	2	128	Screw, M6x15	**	4
112	Bolt, M8x25	**	2	129	Toggle clamp	MH26Y45205G	1
113	Lock nut, M10	**	2	130	Lock nut, M6	**	4
114	Load wheel	MH26W60907G	2	131	Nut, M8	**	1
115	Bolt, M10x65	**	2	132	Brake bar	MH26W60913G	1
116	Bolt, M8x30	**	8	133	Bolt, M8x60	**	2
117	Caster	MH26W60908G	2	134	Lock nut, M8	**	2
118	Flat washer, 8	**	8	200	Pump kit	MH26W60910G	1

(▲) Available as part of a kit only.

(*) Not available as repair part.

(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list

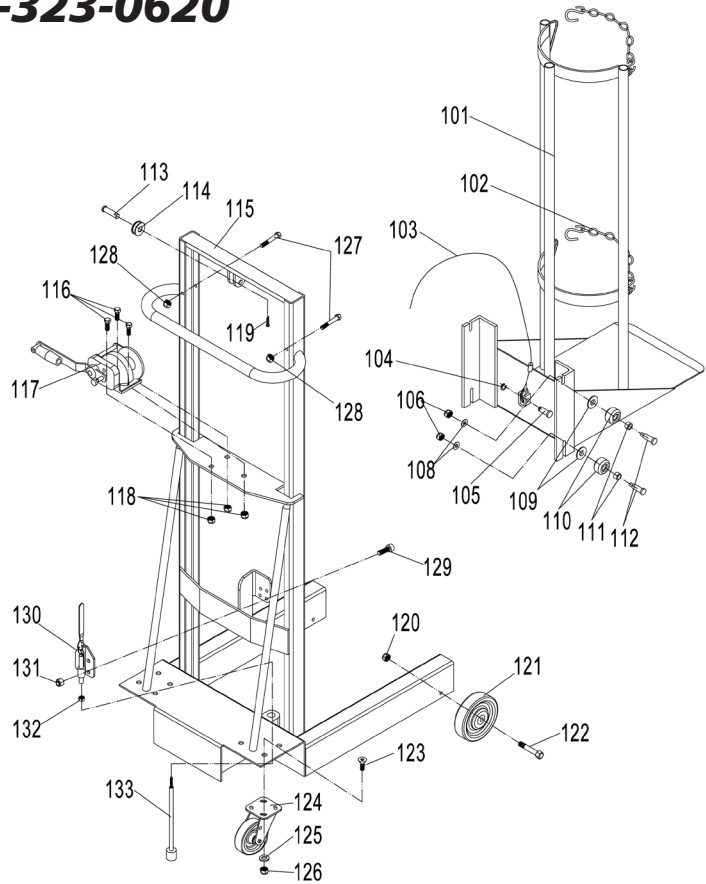


Figure 3 – Repair Parts Illustration for Cylinder Lift Truck: 26W610

Repair Parts List for Cylinder Lift Truck: 26W610

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
101	Platform carriage	MH26W60901G	1	118	Lock nut, M8	**	3
102	Chain	MH26W60902G	2	119	Split pin, 2.5	**	1
	Wirerope kit	MH26W61001G	1	120	Lock nut, M10	**	2
103	Wirerope, 5	▲	1	121	Load wheel	MH26W60907G	2
104	Retaining ring	▲	1	122	Bolt, M10x65	**	2
105	Holding pin	▲	1	123	Bolt, M8x30	**	8
106	Lock nut, M8	**	4	124	Caster	MH26W60908G	2
108	Flat washer, 8	**	4	125	Flat washer, 8	**	8
109	Washer, 8	**	4	126	Lock nut, M8	**	8
110	Roller	MH26W60903G	4	127	Bolt, M8x60	**	2
111	Bushing, 12*15*20	MH26W60904G	4	128	Lock nut, M8	**	2
112	Axle for roller	MH26W60905G	4	129	Screw, M6x15	**	4
113	Shaft	MH26W61002G	1	130	Toggle clamp	MH26Y45205G	1
114	Roller	MH26W61003G	1	131	Lock nut, M6	**	4
115	Mast	*	1	132	Nut, M8	**	1
116	Bolt, M8x20	**	3	133	Brake bar	MH26W61004G	1
117	Winch kit	MH26W61004G	1				

(▲) Available as part of a kit only.

(*) Not available as repair part.

(**) Common hardware, not offered as a replacement part.

E
N
G
L
I
S
H



For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list

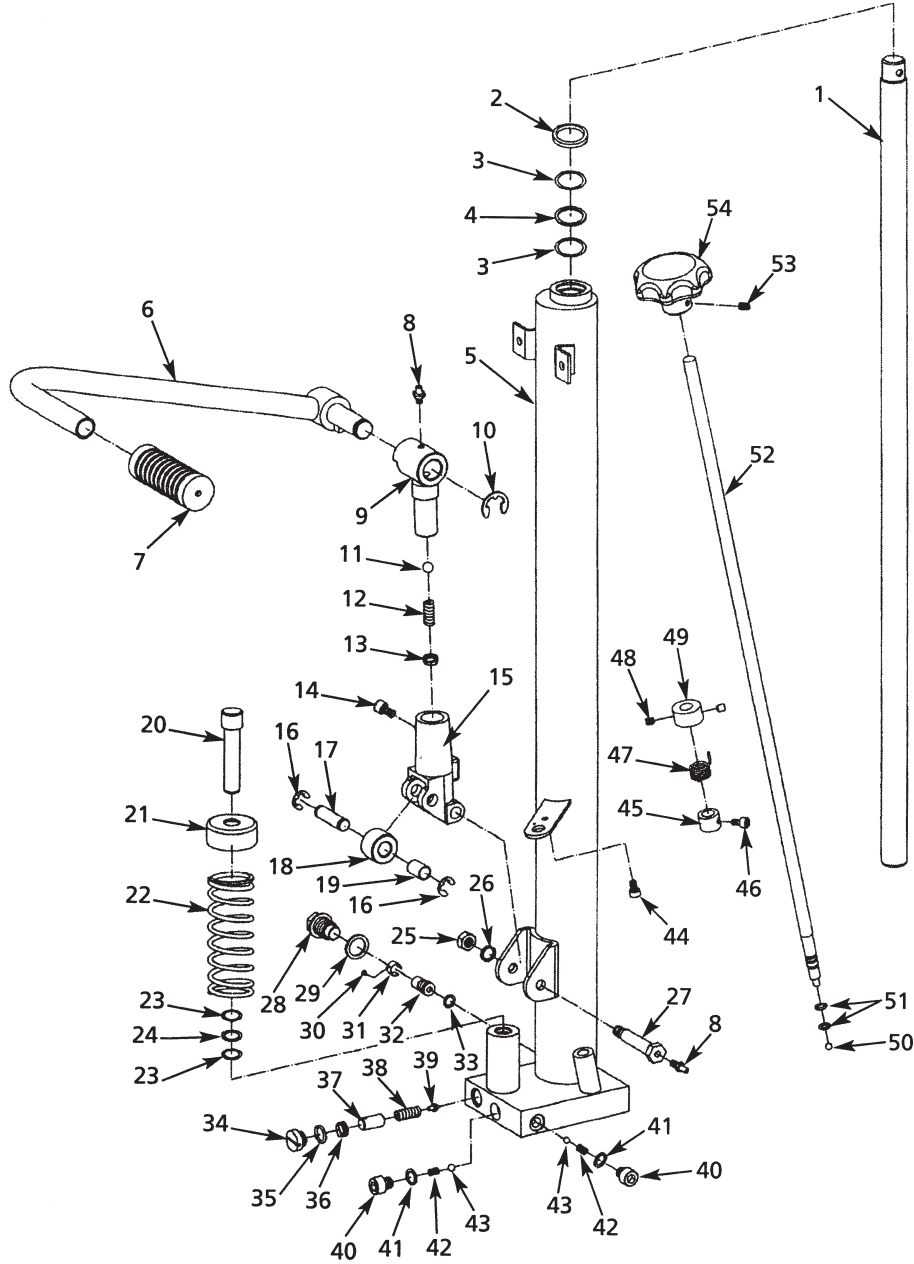


Figure 5 – Repair Parts Illustration for Pump kit: 26W609

E
N
G
L
I
S
H

Models 26W610

Repair Parts List for Pump kit: 26W609

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Piston rod	MH26W60911G	1		Plug Kit #1	MH2MPT219G	1
	Ring/Seal Kit	MH2MPT213G	1	28	Screw	▲	1
2	Dust ring	▲	1	29	Seal washer	▲	1
3	O - ring	▲	2	30	Bolt	▲	1
4	Ring	▲	1	31	Liquid throttle sheath	▲	1
5	Pump body	MH26W60912G	1	32	Valve seat	▲	1
	Pedal Bar Kit	MH2MPT214G	1	33	O - ring	▲	1
6	Pedal bar	▲	1		Safety Valve Kit	MH2MPT220G	1
7	Rubber cover	▲	1	34	Screw	▲	1
	Pedal seat Kit	MH2MPT215G	1	35	Ring	▲	1
8	Grease cup	▲	1	36	Adjusting bolt	▲	1
9	Seat of pedal bar	▲	1	37	Pin	▲	1
10	Retaining ring	▲	1	38	Spring	▲	1
11	Steel ball	▲	1	39	Spindle	▲	1
12	Spring	▲	1		Plug Kit #2	MH2MPT221G	2
13	Adjusting bolt	▲	1	40	Bolt	▲	1
14	Bolt	▲	1	41	Seal washer	▲	1
	Pedal bracket kit	MH2MPT216G	1	42	Spring	▲	1
15	Bracket	▲	1	43	Steel ball	▲	1
16	Retaining ring	▲	1		Fix Ring/Spring Kit	MH2MPT222G	1
17	Shaft	▲	1	44	Bolt	▲	1
18	Pressure roller	▲	1	45	Fix ring	▲	1
19	Bushing	▲	1	46	Bolt	▲	1
	Pump Piston Kit	MH2MPT217G	1	47	Spring	▲	1
20	Pump piston	▲	1	48	Bolt	▲	2
21	Spring cap	▲	1	49	Valve rod fix ring	▲	1
22	Spring	▲	1	50	Steel ball	MH2MPT223G	1
23	O - ring	▲	2		Valve Rod Kit	MH2MPT224G	1
24	Ring	▲	1	51	O - ring	▲	2
	Pivot Pin Assembly Kit	MH2MPT218G	1	52	Valve rod	▲	1
8	Grease cup	▲	1		Knob Assembly Kit	MH2MPT225G	1
25	Nut	▲	1	53	Bolt	▲	1
26	Spring washer	▲	1	54	Knob	▲	1
27	Bolt	▲	2				

(▲) Available as part of a kit only.

(*) Not available as repair part.

Dayton® Cylinder Lift TRuck

LIMITED WARRANTY

DAYTON ONE-YEAR LIMITED WARRANTY. DAYTON® Cylinder Lift TRuck, MODELS COVERED IN THIS MANUAL, ARE WARRANTED BY DAYTON ELECTRIC MFG. CO. (DAYTON) TO THE ORIGINAL USER AGAINST DEFECTS IN WORKMANSHIP OR MATERIALS UNDER NORMAL USE FOR ONE YEAR AFTER DATE OF PURCHASE. ANY PART WHICH IS DETERMINED TO BE DEFECTIVE IN MATERIAL OR WORKMANSHIP AND RETURNED TO AN AUTHORIZED SERVICE LOCATION, AS DAYTON DESIGNATES, SHIPPING COSTS PREPAID, WILL BE, AS THE EXCLUSIVE REMEDY, REPAIRED OR REPLACED AT DAYTON'S OPTION. FOR LIMITED WARRANTY CLAIM PROCEDURES, SEE "PROMPT DISPOSITION" BELOW. THIS LIMITED WARRANTY GIVES PURCHASERS SPECIFIC LEGAL RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION.

LIMITATION OF LIABILITY. TO THE EXTENT ALLOWABLE UNDER APPLICABLE LAW, DAYTON'S LIABILITY FOR CONSEQUENTIAL AND INCIDENTAL DAMAGES IS EXPRESSLY DISCLAIMED. DAYTON'S LIABILITY IN ALL EVENTS IS LIMITED TO AND SHALL NOT EXCEED THE PURCHASE PRICE PAID.

WARRANTY DISCLAIMER. A DILIGENT EFFORT HAS BEEN MADE TO PROVIDE PRODUCT INFORMATION AND ILLUSTRATE THE PRODUCTS IN THIS LITERATURE ACCURATELY; HOWEVER, SUCH INFORMATION AND ILLUSTRATIONS ARE FOR THE SOLE PURPOSE OF IDENTIFICATION, AND DO NOT EXPRESS OR IMPLY A WARRANTY THAT THE PRODUCTS ARE MERCHANTABLE, OR FIT FOR A PARTICULAR PURPOSE, OR THAT THE PRODUCTS WILL NECESSARILY CONFORM TO THE ILLUSTRATIONS OR DESCRIPTIONS. EXCEPT AS PROVIDED BELOW, NO WARRANTY OR AFFIRMATION OF FACT, EXPRESSED OR IMPLIED, OTHER THAN AS STATED IN THE "LIMITED WARRANTY" ABOVE IS MADE OR AUTHORIZED BY DAYTON.

Technical Advice and Recommendations, Disclaimer. Notwithstanding any past practice or dealings or trade custom, sales shall not include the furnishing of technical advice or assistance or system design. Dayton assumes no obligations or liability on account of any unauthorized recommendations, opinions or advice as to the choice, installation or use of products.

Product Suitability. Many jurisdictions have codes and regulations governing sales, construction, installation, and/or use of products for certain purposes, which may vary from those in neighboring areas. While attempts are made to assure that Dayton products comply with such codes, Dayton cannot guarantee compliance, and cannot be responsible for how the product is installed or used. Before purchase and use of a product, review the product applications, and all applicable national and local codes and regulations, and be sure that the product, installation, and use will comply with them.

Certain aspects of disclaimers are not applicable to consumer products; e.g., (a) some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you; (b) also, some jurisdictions do not allow a limitation on how long an implied warranty lasts, consequently the above limitation may not apply to you; and (c) by law, during the period of this Limited Warranty, any implied warranties of implied merchantability or fitness for a particular purpose applicable to consumer products purchased by consumers, may not be excluded or otherwise disclaimed.

Prompt Disposition. A good faith effort will be made for prompt correction or other adjustment with respect to any product which proves to be defective within limited warranty. For any product believed to be defective within limited warranty, first write or call dealer from whom the product was purchased. Dealer will give additional directions. If unable to resolve satisfactorily, write to Dayton at address below, giving dealer's name, address, date, and number of dealer's invoice, and describing the nature of the defect. Title and risk of loss pass to buyer on delivery to common carrier. If product was damaged in transit to you, file claim with carrier.

Manufactured for Dayton Electric Mfg. Co., 100 Grainger Parkway, Lake Forest, IL 60045 USA