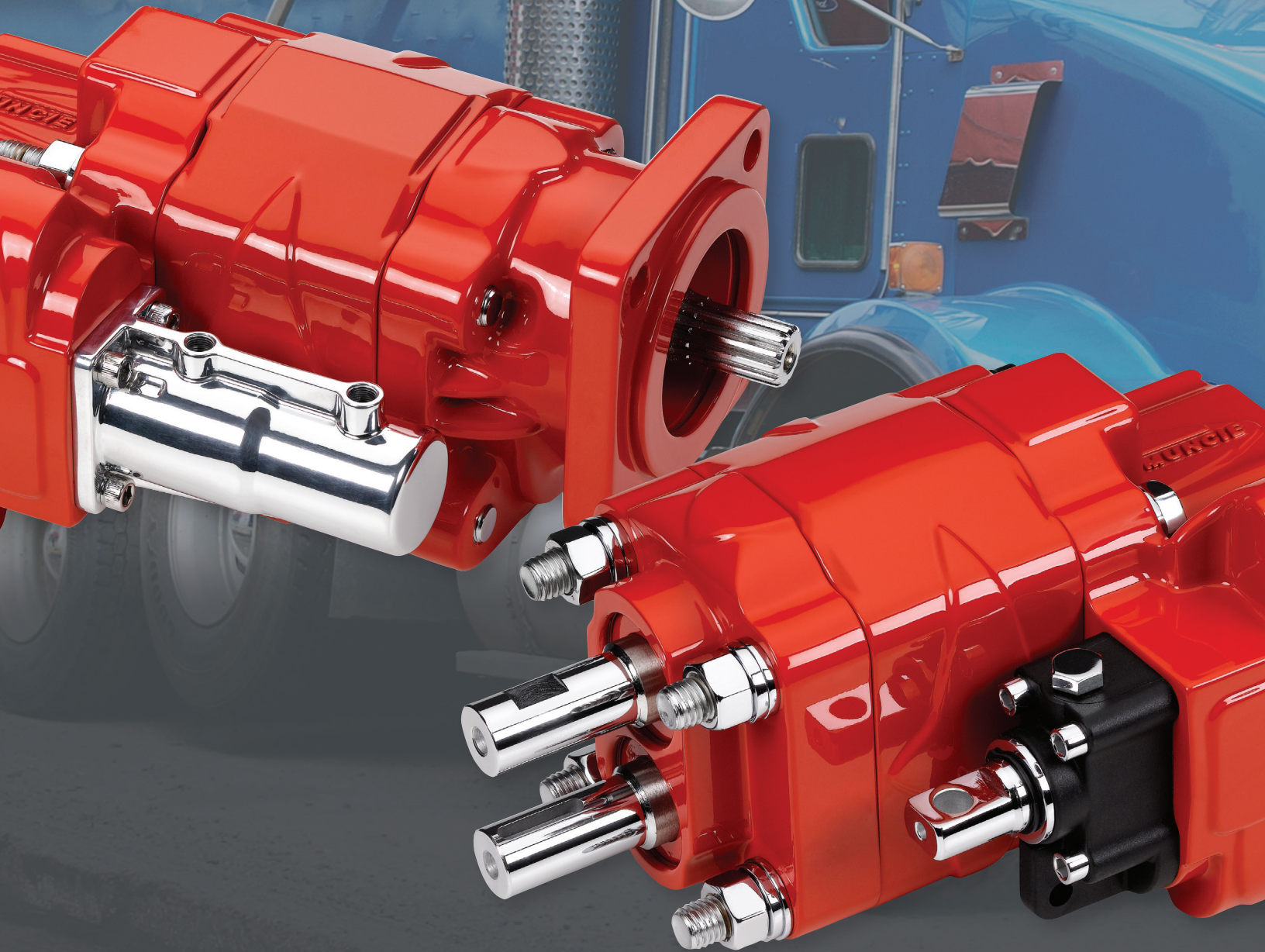




MUNCIE

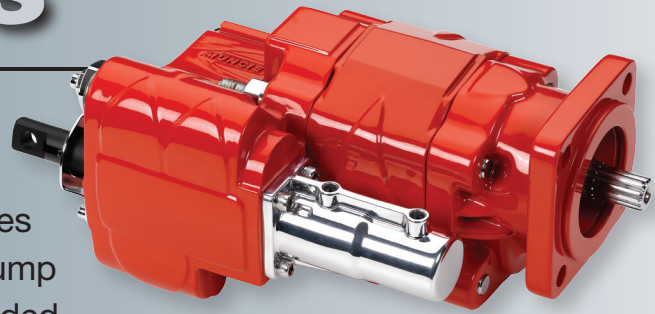
E/EH SERIES

DUMP PUMPS



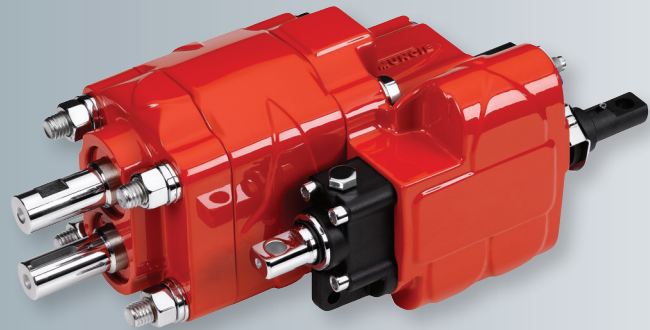
E/EH SERIES DUMP PUMPS

For decades, the Muncie E Series dump pump design has been the standard found as original equipment on nearly all dump bodies and end dump trailers. The dump pump, or pump and valve combination, has successfully provided hydraulic power for dump trucks and trailer dumps in every conceivable application.



DIRECT MOUNT

The EH Series pump has been designed with many enhanced capabilities: Larger inlet to protect the pump against cavitation, larger return port and internal coring passages to reduce back pressure in 3-line installations which provides better cycle time and better bearing life. If you require increased flow rates to power larger equipment with larger cylinders, then the EH Series has the proper size pump for you. All of these features make it the dump pump to use for the 21st century.



REMOTE MOUNT

Whether it's for new equipment or to give new life to existing equipment, the Muncie E/EH Series pumps will provide the solid performance and hydraulic reliability needed for your fleet.

WHY USE A 3-LINE DUMP SYSTEM?

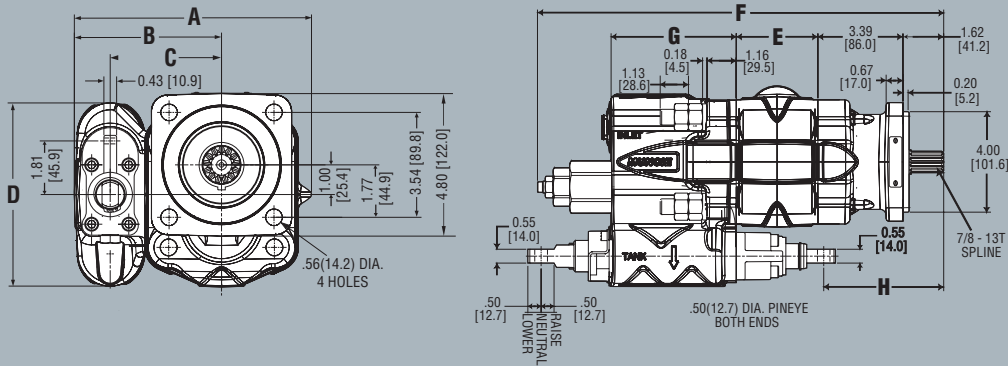
Many dump bodies function quite adequately with a 2-line design. However, a 3-line system includes a separate line to return hydraulic oil from the cylinder directly to the reservoir instead of passing over the pump relief.

The separate line is recommended when used for road building or stockpiling material because the 3-line pump allows faster down cycles, provides an easier method of filtering the hydraulic oil, and ultimately runs cooler.

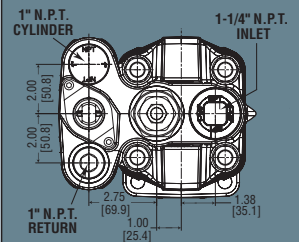
In addition to your choice of sizes, there are shift options and a choice between remote mount or direct mount to the PTO drive.

E/EH SERIES MOUNTING DIMENSIONS IN INCHES (MM)

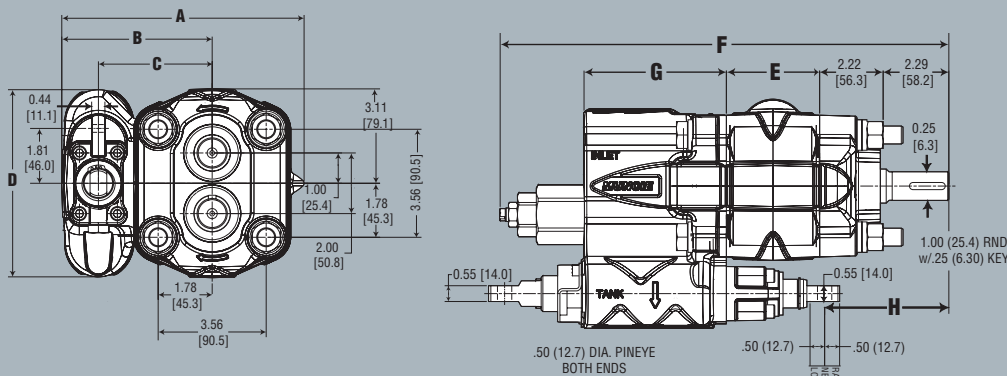
DIRECT MOUNT



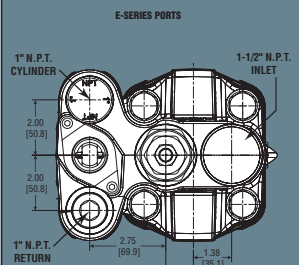
E SERIES PORTS



REMOTE MOUNT



EH SERIES PORTS



DIRECT MOUNT DIMENSIONS

SERIES/MODEL GPM (LITERS)	DIM A IN (MM)	DIM B IN (MM)	DIM C IN (MM)	DIM D IN (MM)	DIM E IN (MM)	DIM F IN (MM)	DIM G IN (MM)	DIM H IN (MM)
E /23 (87)	7.97 (202.4)	5.00 (127.0)	3.75 (95.3)	6.25 (158.8)	2.75 (69.9)	15.62 (396.7)	4.97 (126.2)	4.31(109.5)
E /27 (102)	7.97 (202.4)	5.00 (127.0)	3.75 (95.3)	6.25 (158.8)	3.25 (82.6)	16.12 (409.4)	4.97 (126.2)	4.81(122.2)
EH/23 (87)	8.34 (211.8)	5.38 (136.7)	3.95(100.3)	6.69 (169.9)	2.75 (69.9)	15.64 (397.3)	5.41 (137.4)	3.81 (96.7)
EH/27 (102)	8.34 (211.8)	5.38 (136.7)	3.95(100.3)	6.69 (169.9)	3.25 (82.6)	16.14 (409.9)	5.41 (137.4)	4.31(109.5)

REMOTE MOUNT DIMENSIONS

SERIES/MODEL GPM (LITERS)	DIM A IN (MM)	DIM B IN (MM)	DIM C IN (MM)	DIM D IN (MM)	DIM E IN (MM)	DIM F IN (MM)	DIM G IN (MM)	DIM H IN (MM)
E /23 (87)	7.97 (202.4)	5.00 (127.0)	3.75 (95.3)	6.25 (158.8)	2.75 (69.9)	15.12 (384.0)	4.97 (126.2)	3.81 (96.7)
E /27 (102)	7.97 (202.4)	5.00 (127.0)	3.75 (95.3)	6.25 (158.8)	3.25 (82.6)	15.62 (396.7)	4.97 (126.2)	4.31(109.5)
EH/23 (87)	8.34 (211.8)	5.38 (136.7)	3.95(100.3)	6.69 (169.9)	2.75 (69.9)	15.00 (381.0)	5.41 (137.4)	3.31 (84.1)
EH/27 (102)	8.34 (211.8)	5.38 (136.7)	3.95(100.3)	6.69 (169.9)	3.25 (82.6)	15.63 (397.0)	5.41 (137.4)	3.81 (96.7)



E/EH SERIES PUMP SPECIFICATIONS

PUMP SPECIFICATIONS

SERIES/MODEL GPM (LITERS)	DISPLACEMENT CUBIC IN (CC)	WT.** LBS (KG)	MAX* RPM	MIN* RPM	MAX* PRES PSI (BAR)	INLET N.P.T. PORT	CYLINDER N.P.T. PORT	RETURN N.P.T. PORT
E /23 (87)	5.20 (85.23)	67 (30.4)	2,500	800	2,500 (173)	1¼	1	1
E /27 (102)	6.37(104.40)	69 (31.3)	2,500	800	2,500 (173)	1¼	1	1
EH/23 (87)	5.20 (85.23)	68 (30.8)	2,500	800	2,500 (173)	1½	1	1¼
EH/27 (102)	6.37(104.40)	70 (31.7)	2,500	800	2,500 (173)	1½	1	1¼

* Intermittent duty cycles only. Not recommended for ejector, conveyor, or moving floor type equipment.

** Weights listed are for remote mount pumps without brackets. For direct mount pumps add 2 lbs. (0.9 kg).

PUMP OPTIONS

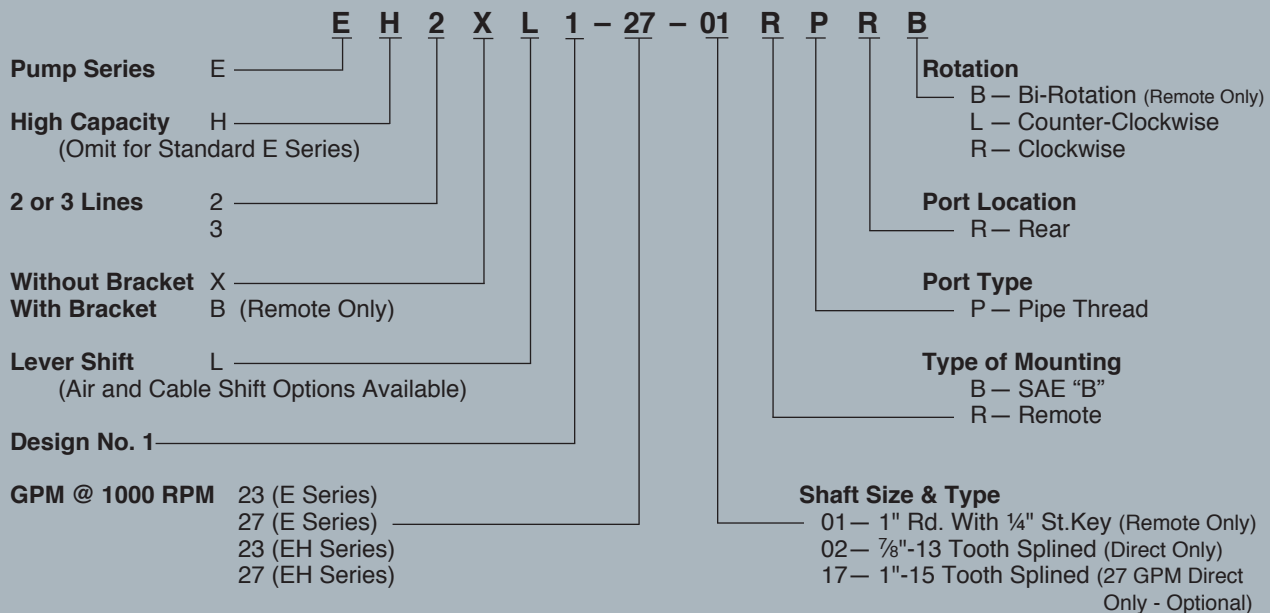
PUMP SERIES	CONVERSION SLEEVE	REMOTE MOUNT MOUNTING BRACKET	AIR CYLINDER ASSEMBLY*	LEVER TO CABLE* HOOK-UP (REMOTE MT)	LEVER TO CABLE* HOOK-UP (DIRECT MT)
E	AA-1257	B1235A	ACM-300/302	EHK-R	EHK-DL /EHK-DR**
EH	AA-1257-2	B1235A	ACM-300/302	EHK-R	EHK-DL /EHK-DR**

* Kit includes attaching bolts. Kit does not include any consoles, cables, or air valves to make kit shift. Contact Muncie for complete console accessories.

** EHK-DL is for counter-clockwise rotation, and EHK-DR is for clockwise rotation.

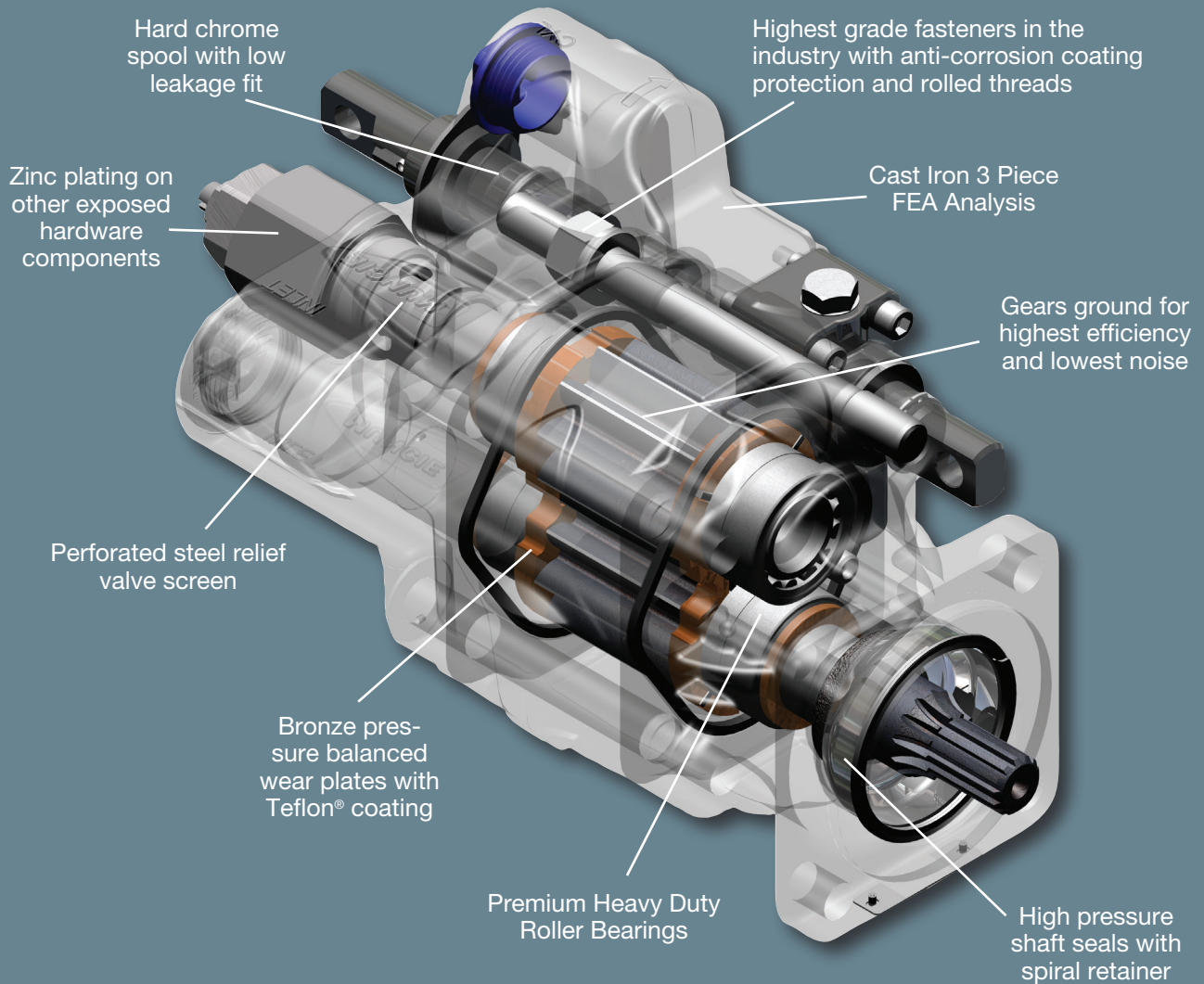
- NOTES:
- Maximum oil temperature is 200°F (93.5°C).
 - Never use Teflon tape on pipe ports.
 - Relief valve preset at 2,000 psi (138 Bar)
 - Maximum inlet vacuum is 5 inches Hg (.17 Bar).
 - Third line (Return) must be below oil level at all times.
 - Always use suction hose (SAE-100R4) on pump inlet.

MODEL NUMBER CONSTRUCTION



PUMP FEATURES AND CONSTRUCTION

E SERIES SHOWN

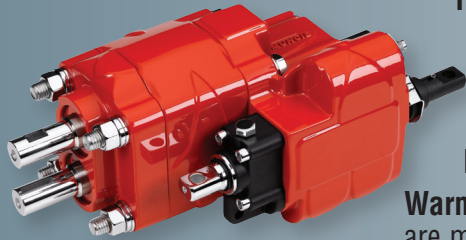
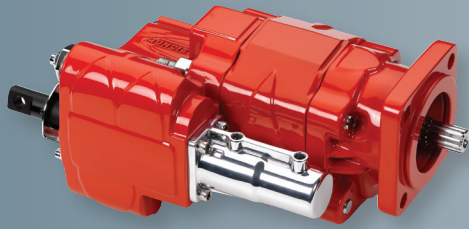


- 23 & 27 GPM SIZES • STANDARD AND HIGH FLOW "EH" VERSIONS • PRESSURES TO 2,500 PSI
- PTO DIRECT MOUNT OR TWIN SHAFT REMOTE • PORT I.D. CAP PLUGS AND CASTING STAMP
- OPTIONAL AIR OR CABLE SHIFTING • INTERCHANGES WITH PARKER, PERMCO, & OTHERS
- INTEGRAL VALVE FOR 2- OR 3-LINE SYSTEM • BUILT IN RELIEF VALVE WITH LOAD CHECK
 - LONG ASSEMBLY STUDS FOR SUPPORT BRACKETS • ANTI PULL OUT SAFETY CAP
 - SPEEDS TO 2,500 RPM

* INTERMITTENT DUTY CYCLES ONLY. NOT RECOMMENDED FOR EJECTOR, CONVEYOR, OR MOVING FLOOR TYPE EQUIPMENT.

ONE YEAR PUMP WARRANTY

(3 YEAR WARRANTY OPTIONAL)



The Muncie Cast Iron/Roller Bearing Pump Red E/EH Series is warranted against any defect in material and workmanship which existed at the time of sale by Muncie, according to the following provisions, subject to the requirements that the Pump must be used only in accordance with catalogue and package instructions, and the warranty card must be filled out and returned to Muncie within ten days after the pump is installed.

The Pump is warranted for a period of one year from date of installation. If during the warranty period the Pump fails to operate to Muncie's specifications due to a defect in any part in material or workmanship that existed at the time of sale by Muncie, the defective part will be repaired or replaced, at Muncie's election, at no charge, if the defective part is returned to Muncie with transportation prepaid.

Three Year Warranty. Both the Muncie E/EH Series Dump Pump and CS/TG Series PTOs are warranted for a full three years when combined with the Complete Muncie Tractor WetLine Kit with Polyethylene Hydraulic Reservoir and Hoses (3-line systems only). All additional warranty details described for the Polyethylene Hydraulic Oil Reservoir applies.

Warning. The above warranty shall terminate if any alterations or repairs are made to the Pump other than at a Service Center owned by Muncie, or if the Pump is used upon any equipment other than the equipment upon which it is first installed.

As to any Cast Iron/Roller Bearing Pump Red E/EH Series which is rebuilt and retested at a Service Center owned by Muncie, the period of the above warranty is extended for a period of one additional year from the retest date.

PTO & DUMP PUMP SHIFTER OPTIONS

PTO/Pump
Control Consoles
DPC2-XXXX
Brochure MP06-03



PTO/Pump
Airshift Console
ASC2
Brochure
MP04-01

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Muncie Power Products, Inc. Member of the Interpump Hydraulics Group
General Offices and Distribution Center • P.O. Box 548 • Muncie, IN 47308-0548
(765) 284-7721 • FAX (765) 284-6991 • E-mail info@munciepower.com
Web site <http://www.munciepower.com>