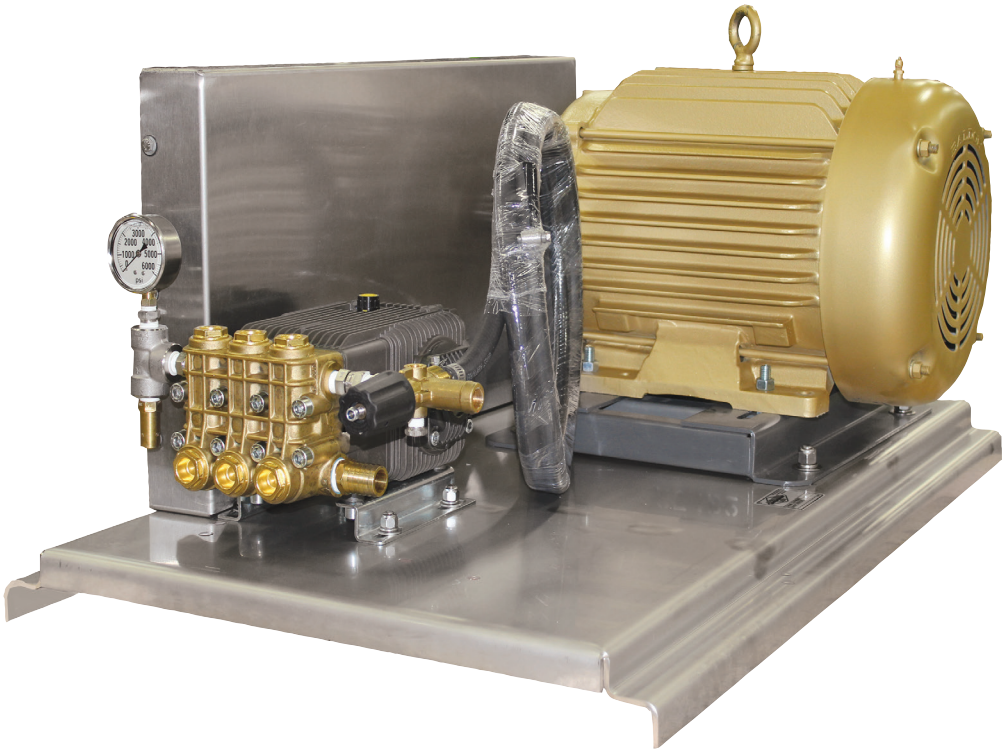
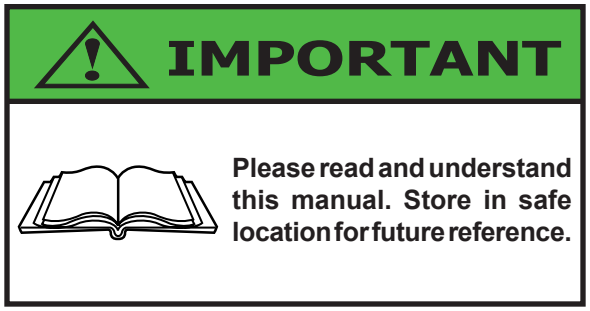
High Pressure Pump Units featuring CAT PUMPS®

DUPM550 & DUPM570



*DUPM550 Shown

Owner's Manual #0789 07.15.24	
Serial Number:	**Installation Date:**



Everyone who operates this unit should understand basic operations and safety precautions! The time you take to fully understand the proper installation, maintenance and use of the machine will prolong its service life, and assure you of trouble free operation.

When unpacking, check to make sure all the parts shown on the Parts Breakdown near the end of this manual are included. If any parts are missing or broken, please call Dultmeier Sales as soon as possible.

Consumers should notice that this manual may differ slightly from the actual product as more improvements are made to our products. Some of the pictures in this manual may differ slightly from the actual product as well. Dultmeier Sales reserves the right to update designs and / or change the specifications at any time without incurring any obligation to install them on units previously sold.

If you have any questions or suggestions about this manual, please contact us at:

1-888-677-5054
dultmeier@dultmeier.com
www.dultmeier.com

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To avoid serious or fatal personal injury or major property damage, read and follow all safety and operation instructions in the manual.

This is a **Safety Alert Symbol** -
When you see this symbol in the manual, look for the following signal words & be alert to the potential for personal injury or property damage.

DANGER Warns of potential hazards that **WILL** cause serious personal injury, death or property damage.

WARNING Warns of potential hazards that **CAN** cause serious personal injury, death or property damage.

CAUTION Warns of potential hazards that **WILL** or **CAN** cause minor personal injury, death or property damage.

IMPORTANT Indicates special instructions that **MUST** be followed but not related to hazards.

This manual is intended to assist in the installation and operation of this unit.
Do not attempt to operate this unit without reading and understanding this manual.

General Safety

To avoid the risk of serious bodily injury and property damage, read safety instructions carefully before installing this system. Follow all local and/or national plumbing and electrical codes when installing.

IMPORTANT

Do Not Allow System or Components to Freeze.
To do so may damage the system and will void the warranty.

WARNING

Never Run the System Dry.
Running the unit dry (without fluid) can damage internal parts, overheat pump (which can cause burns to people handling or servicing the pump), and will void the warranty.

WARNING



Hazardous voltage can shock, burn or cause death.

Risk of Electric Shock.
Keep the unit dry at all times -
Do not wash the motor or electrical panel or allow the unit to sit in standing water.

Use only Ground Fault Circuit Interrupter (GFCI) protected grounded outlet for the cord plug.
If you must use an extension cord, use only UL approved indoor/outdoor, 3-wire, grounding type cords. The cord must be rated to support amp draw. Do not allow any part of cord or receptacle ends to sit in water.

To avoid fatal shocks, proceed as follows if service is needed:

A. Turn off water to the system.
B. Disconnect the power at main electrical service before unplugging the unit.
C. Ground the electrical outlet box.
D. Take extreme care when changing fuses.



Do not run the unit with discharge shut off, as hose may burst or damage may occur.



Modern motors can operate at high temperatures. To avoid burns when servicing pump, allow it to cool for 20 minutes after shutdown before handling.

High Pressure Pump Unit Specifications

Model **DUPM550**

Style ..... High Pressure Plunger Pump

Capacity ..... 4.5 GPM

PSI 3000

Maximum Inlet Pressure ..... 60 PSI

Maximum Inlet Temperature ..... 130° F

*See Included CAT PUMPS® Service Manual for Higher Temperatures

Motor .....

CEEM3714T	10 HP, 3 PH	
Volts:	208 - 230	460
Amps:	25.4 - 24	12

CECL3712T	10 HP, 1 PH	
Volts:	230	-
Amps:	40	-

Pump ..... CC5CP3120 or CC5CP3120.3400

Crankcase Capacity ..... 17 oz.

Pump Drive ..... Belt

Pump Inlet ..... 1/2”

Pump Discharge ..... 3/8”

Dimensions ..... Approx. 32”L x 23 1/2”W x 17 1/2”H

Shipping Weight ..... Approx. 300 lbs.

System Features

CAT PUMPS® Plunger Pump belt driven by Leeson Motor

Heavy Duty Stainless Steel Baseplate & Belt Guard

Adjustable Motor Baseplate

Adjustable Pressure Unloader

Safety Pop Off Valve

6000# Gylcerin Filled Pressure Gauge

Units are Pre-Plumbed and Tested Prior to Shipment

High Pressure Pump Unit Specifications

Model	**DUPM570**
Style	High Pressure Plunger Pump
Capacity	4.0 GPM
PSI	4000
Maximum Inlet Pressure	60 PSI
Maximum Inlet Temperature	130° F
	*See Included CAT PUMPS® Service Manual for Higher Temperatures

Motor

CEEM2333T	15 HP, 3 PH	
Volts:	230	460
Amps:	37	18.5

Pump	CC5CP4118RSS
Crankcase Capacity	17 oz.
Pump Drive	Belt
Pump Inlet	1/2”
Pump Discharge	3/8”
Dimensions	Approx. 30”L x 20”W x 16”H
Shipping Weight	Approx. 400 lbs.

System Features

CAT PUMPS® Plunger Pump belt driven by Baldor Motor

Heavy Duty Stainless Steel Baseplate & Belt Guard

Adjustable Motor Baseplate

Adjustable Pressure Unloader

Safety Pop Off Valve

10000# Gylcerin Filled Pressure Gauge

Units are Pre-Plumbed and Tested Prior to Shipment

Maintenance & Storage

1. Change the oil after intial 50 hours. Use CAT PUMPS® Oil, part number **CC6100-1** for 21 oz. bottles or **CC6105-1** for 2.5 gallon jug. **(Fig. 1)**

IMPORTANT **PM550's pump takes 17 oz.**
PM570's pump takes 17 oz.

2. The oil should be changed every 500 hours. If other than CAT PUMPS® special custom blend multi-viscosity ISO68 hydraulic oil is used, change the oil every 300 hours.

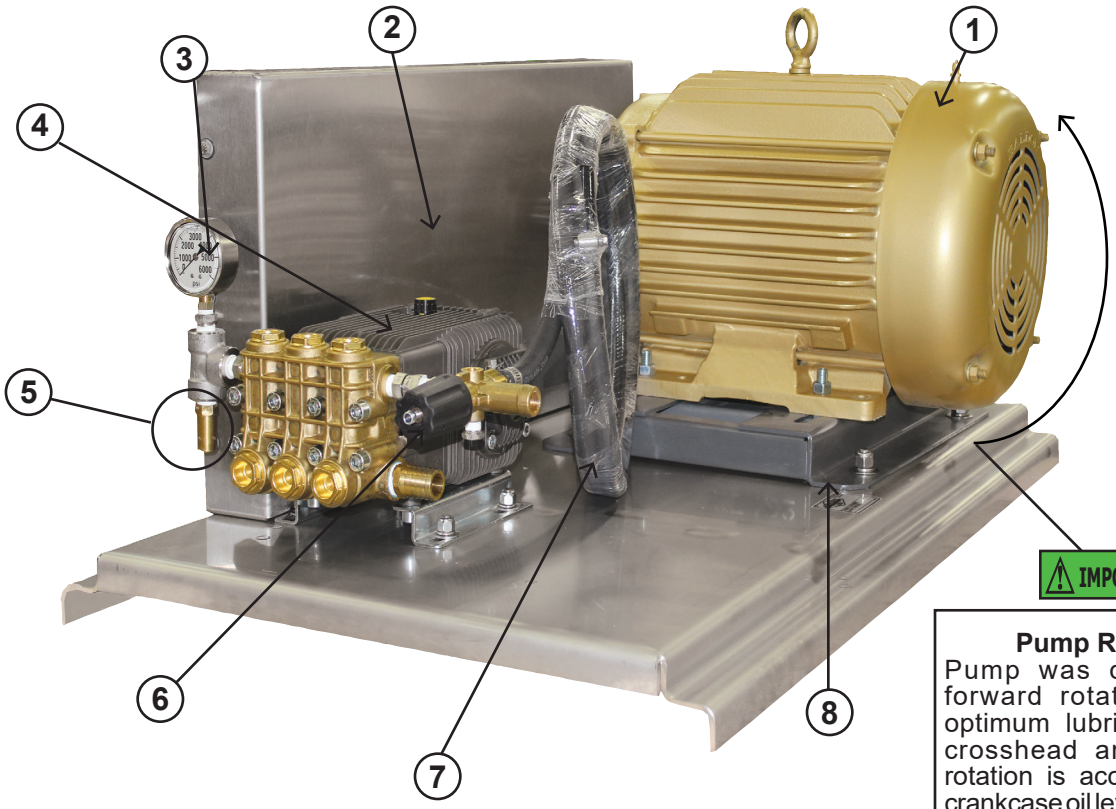
3. For extended storage or between use in cold climates, drain all pumped liquids from pump and flush with antifreeze to prevent freezing and damage to the pump. When running antifreeze through system, open and close trigger gun so entire system is protected.



figure 1

Please refer to the included CAT PUMPS® reference materials for additional information on the Maintenance & Storage of your CAT PUMPS® Pump Unit.

Parts Breakdown: DUPM550

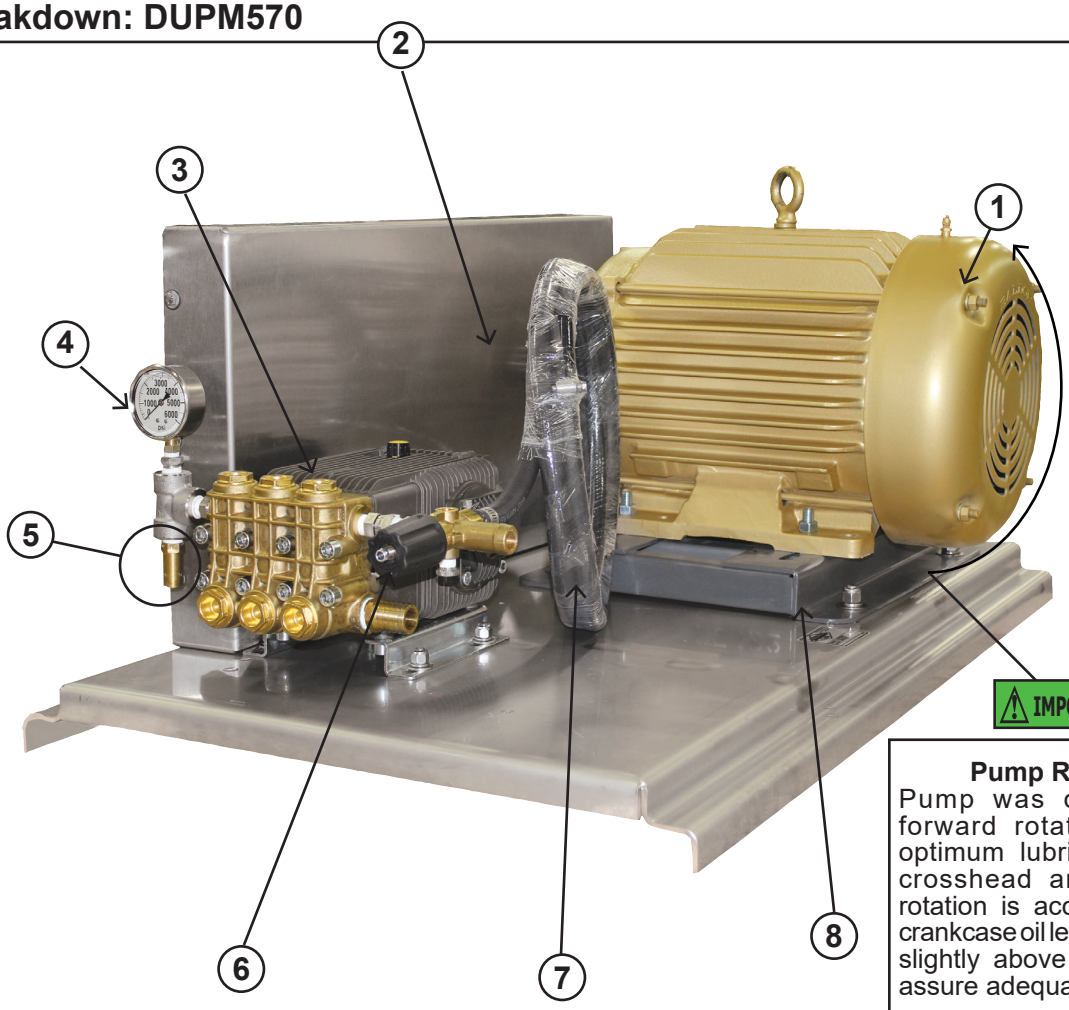


IMPORTANT

Pump Rotation:
Pump was designed for forward rotation to allow optimum lubrication of the crosshead area. Reverse rotation is acceptable if the crankcase oil level is increased slightly above center dot to assure adequate lubrication.

Item	Part Number	Description
1	CEEM3714T	10 HP, 3 PH Motor
	CL3712T	*10 HP, 1 PH Motor (Optional)*
2	GABX45	V-Belts
3	AH2750-5	6000# Glycerin Filled Pressure Gauge
4	CC5CP3120	CAT PUMPS® Plunger Pump
	CC5CP3120.3400	*CAT PUMPS® Plunger Pump (Optional - High Temp.)*
5	GU22533A	Safety Pop Off Valve, 3/8”
6	NPST261	Regulating Unloader Valve
7	GA3204-1413	Bypass Hose, 1/2”
8	GN3M282	Adjustable Motor Baseplate
	GA7801-261	*Pulley Pump*
	GA7801-259	*Pulley Motor*

Parts Breakdown: DUPM570



IMPORTANT

Pump Rotation:
Pump was designed for forward rotation to allow optimum lubrication of the crosshead area. Reverse rotation is acceptable if the crankcase oil level is increased slightly above center dot to assure adequate lubrication.

Item	Part Number	Description
1	CEEM2333T	15 HP 3 PH Baldor Motor
2	GABX47	V-Belts
3	CC5CP4118RSS	CAT PUMPS® Plunger Pump
4	AH2640-14	10000# Glycerin Filled Pressure Gauge
5	GU22533A	Safety Pop Off Valve, 3/8”
6	ARAL607X	Pressure Unloader Valve
7	GA3204EB-1/2	Bypass Hose, 1/2”
8	GN2M512	Adjustable Motor Baseplate

Notice Regarding Manufacturer's Limited Warranty

Dultmeier Sales Limited Liability Company (hereinafter Dultmeier), notifies you that component part(s) carry a manufacturer's limited warranty provided by the manufacturer of said component part(s). These warranties do not pertain to normal wear of component part(s) that may occur within any specified period. While Dultmeier is not the manufacturer of any of the component part(s), Dultmeier will assist you in processing any and all manufacturer's warranty claim if applicable and available. Any and all manufacturer's claims must be submitted in writing to the manufacturer within the warranty periods provided by the manufacturer.

Defective component part(s) that are to be considered for manufacturer's limited warranty must be returned to the manufacturer by prepaid shipment with the applicable manufacturer's limited warranty period. If the component part(s) are deemed to be defective under the manufacturer's warranty, Dultmeier will assist in obtaining a replacement or repair of the component part(s). Said component part(s) will be returned F.O.B. Omaha, Nebraska. Replacement or repair shall be the exclusive remedy for any breach of warranty. Labor for installation, either with respect to original or replacement part or components, is not covered under the manufacturer's limited warranty.

Neither the manufacturer nor Dultmeier warrants loss of income or consequential damages for injury or commercial loss resulting from any breach of warranty or warranties stated above.

The manufacturer's limited warranty as stated does not apply to component part(s) which have been improperly installed, misused, altered, neglected, abused or not installed, adjusted, maintained, or used in accordance with applicable codes and ordinances and in accordance with the manufacturer's specifications as to such factors.

Notwithstanding Dultmeier's willingness to assist in the processing of the manufacturer's limited warranty, Dultmeier makes no warranty against infringement of the like, makes no warranty of merchantability, makes no warranty of fitness for a particular purpose, and makes no other warranty, express or implied, including implied warranty arising from the course of dealing or usage of trade.

Compliance with all local, state and federal codes regarding the installation and operation of said equipment, parts and components shall be the responsibility of the purchaser. The rights and obligations of the parties shall be governed by the laws of the State of Nebraska.

Dultmeier Sales • 1-888-677-5054
Omaha, NE - Davenport, IA

Production Checklist

- OK NA Oil Level
- OK NA Clamps Tight
- OK NA Bolts Tight & Anti-Seized
- OK NA Belts Tight
- OK NA Pulleys Aligned & Torqued to Specifications
- OK NA Fittings Straight
- OK NA Tested
- OK NA Winterized
- OK NA _____
- OK NA _____
- OK NA _____
- OK NA _____
- OK NA _____
- OK NA _____

- OK NA Pop-Off Valve Set _____PSI
- OK NA Unloader Valve Locked
- OK NA PSI _____
- OK NA Pump RPM _____
- OK NA Motor Amps _____
- OK NA Motor Wired For _____

Accessories

- OK NA Safety Pop Off Valve
- OK NA Trigger Gun 1 2
- OK NA High Pressure Hose
- OK NA Injector / Injector Hose
- OK NA Gauge
- OK NA Float Valve Part # _____
- OK NA Leveling Bolts

Built By _____ Checked By _____

Customer Checklist

- OK NA Oil Level To Manufacturer's Specifications
- OK NA Accessories Included
- OK NA Shipping Container Was In Good Shape
- OK NA Overall Condition

If you have any questions or concerns about condition of this unit, please contact us at 1-888-677-5054 before operating.