



**High Pressure Pump Units featuring CAT PUMPS®**

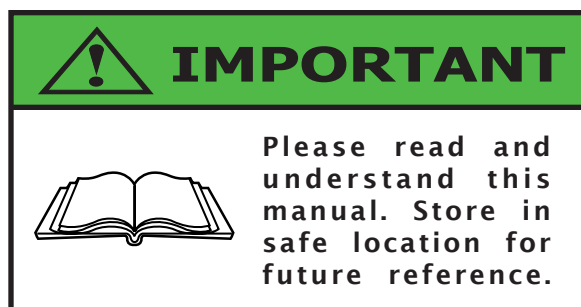
**DUPM650 & DUPM660**



**Owner's Manual #0788 050216**

**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.*

---

## Table of Contents

---

Safety Information .....	1
Specifications .....	2
Maintenance & Storage .....	3
Parts Breakdown .....	4
Warranty Information .....	5

---

**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.



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



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



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



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.*



#### **Do Not Allow System or Components to Freeze.**

To do so may damage the system and will void the warranty.



#### **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.



#### **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

## DUPM650

Capacity	7 GPM
Pump	CC650
Motor	CEEM2333T

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

## DUPM660

Capacity . . . . .	10 GPM
Pump . . . . .	CC660
Motor . . . . .	CEEM2334T

CEEM2334T	20 HP, 3 PH	
Volts:	230	460
Amps:	48	24

## Common Specifications

Style ..... High Pressure Plunger Pump

Maximum Inlet Pressure..... 60 PSI

Maximum Inlet Temperature ..... 130° F

\*See Included CAT PUMPS® Service Manual for Higher Temperatures

Crankcase Capacity..... 42 oz.

Pump Drive ..... Belt

Pump Inlet ..... 3/4" FPT with 1" HB

Pump Discharge..... 1/2"

Dimensions..... 42"L x 25"W x 20"H

Shipping Weight..... Varies by Model - Approx. 350 lbs.

## System Features

## CAT PUMPS® Plunger Pump belt driven by Baldor Motor

## Heavy Duty Stainless Steel Baseplate & Beltguard

## Adjustable Motor Baseplate

## Adjustable Pressure Unloader

### Downstream Chemical Injector

## Safety Pop Off Valve

### Liquid Filled Pressure Gauge

### Bypass Hose

All Units are Pre-Plumbed, Pre-Wired, and Tested Prior to Shipment

## Maintenance & Storage

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



**This pump takes 42 oz.**

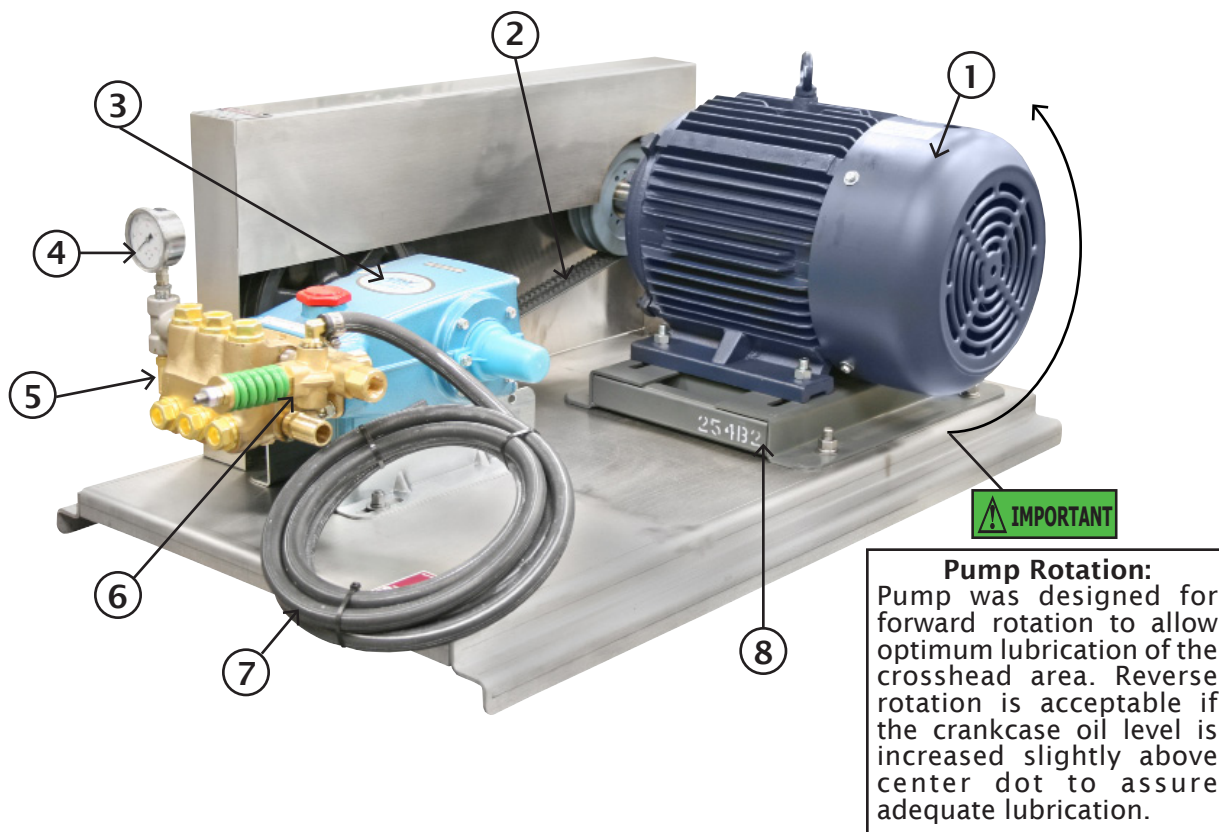
2. The oil should be changed every 500 hours. If other than CAT PUMPS® special custom blend multi-viscosity ISO68 hydraulic oil is used, change the oil every 300 hours.
3. For extended storage or between use in cold climates, drain all pumped liquids from pump and flush with antifreeze to prevent freezing 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: DUPM650, DUPM660



Item	Part Number	Description
1	CEEM2333T	15 HP 3 PH Motor
	CEEM2334T	20 HP 3 PH Motor (Model DU PM660 - Not Shown)
2	GABX46	Belts
3	CC650	CAT PUMPS® Plunger Pump
	CC660	CAT PUMPS® Plunger Pump (Model DU PM660 - Not Shown)
4	AH2750-5	6000# Glycerin Filled Pressure Gauge
	AH2640-5	5000# Glycerin Filled Pressure Gauge (Model DU PM660 - Not Shown)
5	GU22531A	Safety Pop Off Valve
6	IPYU2140	Unloader Valve
7	GA3204EB-1425	Bypass Hose, 3/4" x 10'
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.