



# Belvac Production Machinery Technical Bulletin

Information for Customers Operating & Maintaining Belvac Machines

ISSUE 9, VOLUME 12, NOVEMBER 2009

## Replacement Gear Reducers for CC92, CC93, CC95 and CT500 Trimmers

Belvac has provided Dresser gear reducers on our "CC" and "CT" series trimmer models for over 25 years: these reducers have proven their reliability and robustness. Recently the Dresser reducer line was purchased by Electra Gear (Regal Beloit), and consolidated in a different manufacturing location. Through the consolidation of product lines, the "standard" Dresser reducer is no longer available; however, Electra Gear offers an indirect replacement for Belvac's trimmers.

Depending on the specific reducer in question, the following changes may be in effect:

- Modified centerline location of the input and output shafts
- The actual gear ratios may be slightly different e.g. 10.00:1 vs. 10.33:1
- Shaft diameters.

The resultant reducer will have a different part number to that originally shipped since the replacement is not directly interchangeable.

The new gearbox will come standard with high temperature, synthetic oil: Exxon Mobil SHC 634. Only replace with equivalent.

**It is entirely possible; the replacement reducer will need to have a kit of parts (e.g. bushing, belt, pulley) to enable the trimmer to be run at its desired speed. Belvac Engineering will review each request on an individual machine basis to ensure a seamless solution.**

As a result, Belvac now requires their customers to fill out the specification sheet below prior to ordering a replacement reducer to ensure the requested reducer is correct for the application.



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**CC93 R & C Style, CC95, CT 500 And CC92 Existing Machine Config. Motor / Reducer Mount**

Customer	<input type="text"/>	Machine Quantity	<input type="text"/>
Location	<input type="text"/>	Machine Serial #s	<input type="text"/>

Machine Model

<input type="checkbox"/> CC92	<input type="checkbox"/> R or RL	<input type="checkbox"/> Dor DL
<input type="checkbox"/> CC93	<input type="checkbox"/> R or RL	<input type="checkbox"/> Dor DL
	<input type="checkbox"/> Cor CL	
<input type="checkbox"/> CC95		
<input type="checkbox"/> CT500		

**Current Machine Motor / Reducer Style (See Notes)**

	Model		Model	Ratio
Existing Motor	<input type="text"/>	Existing Reducer	<input type="text"/>	<input type="text"/>

Existing Machine Speed CPM

Provide The Following Information:

	# Teeth		Keyed	Yes/No
1. Motor Pulley	<input type="text"/>	Reducer Input Shaft	Splined	<input type="text"/>
2. Reducer Input Pulley	<input type="text"/>		C Faced	<input type="text"/>
3. Reducer Output Pulley	<input type="text"/>	Motor Mounting Info	Non C Faced	<input type="text"/>
4. Mainshaft Drive Pulley	<input type="text"/>			

Converted Machine Speed Desired CPM

Provide **legible** photographs as follows:

**Remove guarding to expose reducer and drive arrangement.**

1. Photograph Top, LH and RH sides, and Back Views
2. Photograph reducer nameplate (include gear ratio)
3. Photograph motor name plate



237 Graves Mill Road, Lynchburg, Va. 24502 USA

Tel. (434) 239-0358

Fax (434) 239-1964

info@belvac.com

http://www.belvac.com