



# ***VARIABLE SPEED DRIVE***

## ***APPLICATIONS***

**Walk-Behind (self-propelled) Lawnmowers without bagger, Line Marking Equipment, Floor Scrubbers, Lawn Vac's or any variable speed application falling within the speed ratio and torque parameters of this system.**

## **VARIABLE SPEED DRIVE FEATURES**

Drive engagement/disengagement and multiple speeds are accomplished by drive belt contact rather than a system requiring multiple sets of gears and a clutch.

Drive engagement/disengagement and speed control settings are accomplished by a single cable control system. Conventional gear transmissions require separate cables for the gear shift and clutch controls.

The above features make the system more cost effective than conventional transmissions requiring multiple gear sets, an internal clutch and two control cable systems.

### **COMET® INDUSTRIES**

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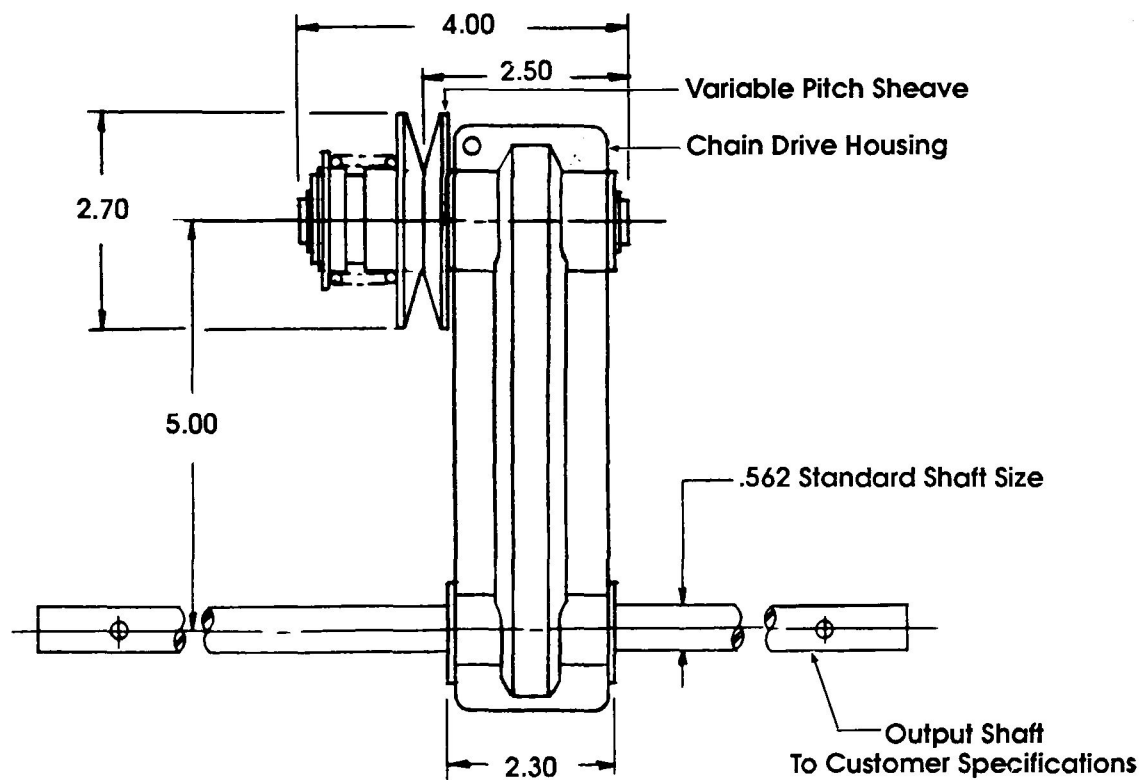
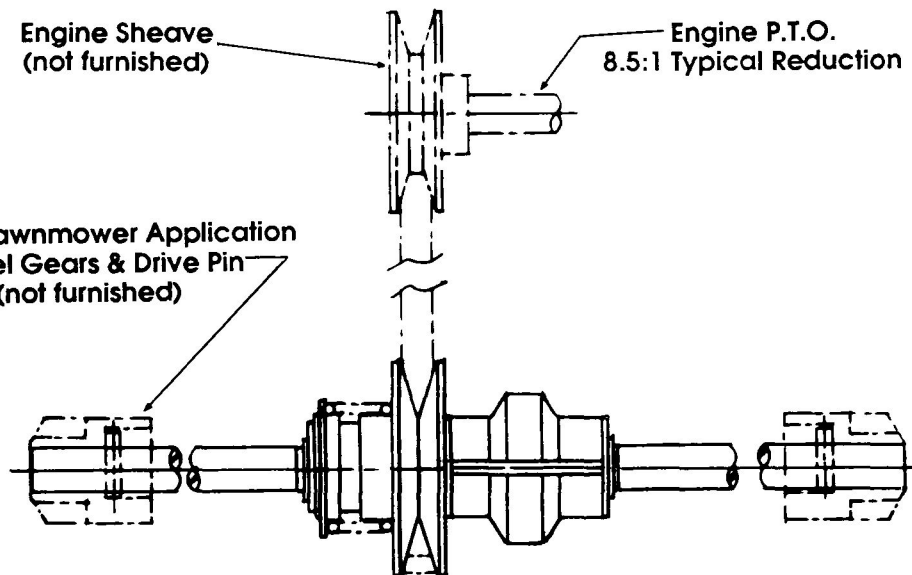
# DIMENSIONAL DRAWING



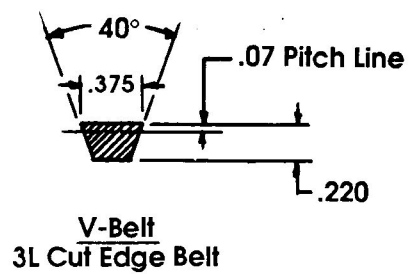
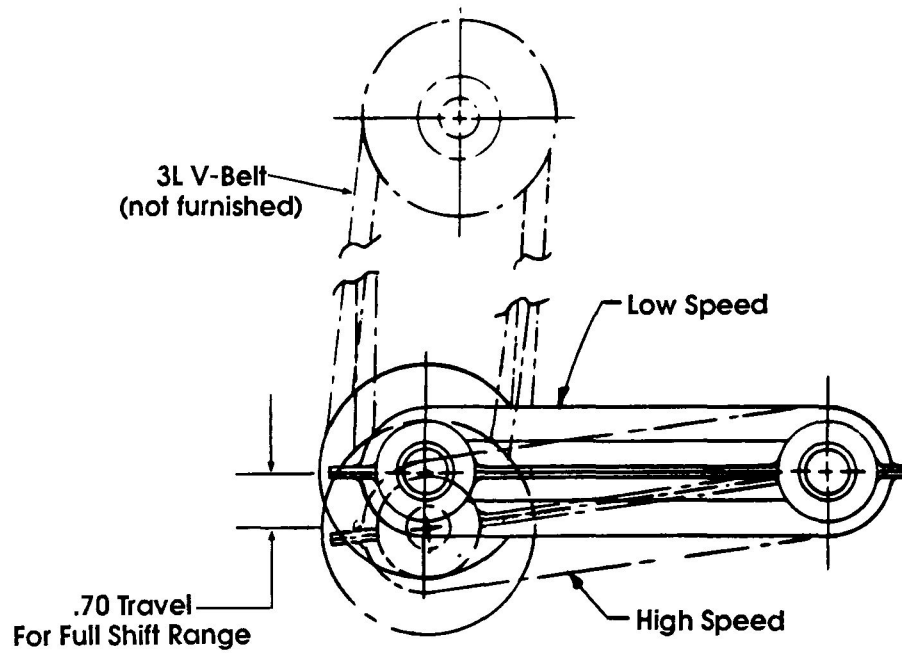
Engine Sheave  
(not furnished)

Engine P.T.O.  
8.5:1 Typical Reduction

Typical Lawnmower Application  
Wheel Gears & Drive Pin  
(not furnished)



# Variable Speed Drive



t Size

Shaft  
Specifications

# ***SPECIFICATIONS***

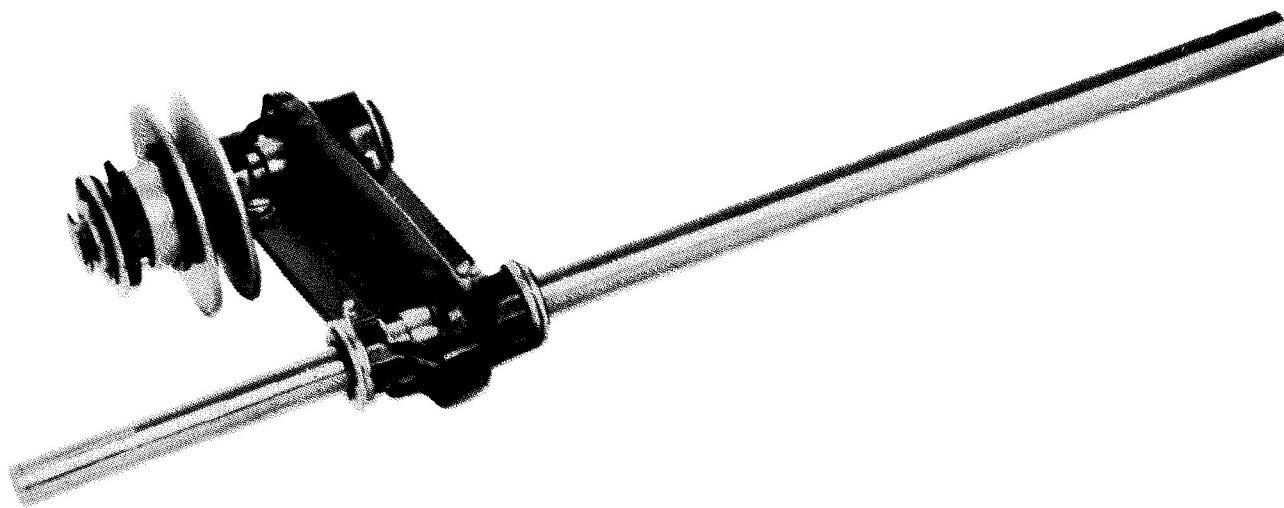
## **VARIABLE PITCH SHEAVE**

Max Pitch Dia.: 2.40"  
Min. Pitch Dia.: 1.50"  
Speed Ratio: 1.60:1

## **DESIGN PARAMETERS:**

Max Speed - Output Shaft: 575 RPM  
Max Output Torque (Low Speed) 22 In. Lbs.  
Max Output Torque (High Speed) 30 In. Lbs.

**SPROCKET RATIOS:** 1.15:1  
.87:1



**Patent Pending**