



a **TENAX** company

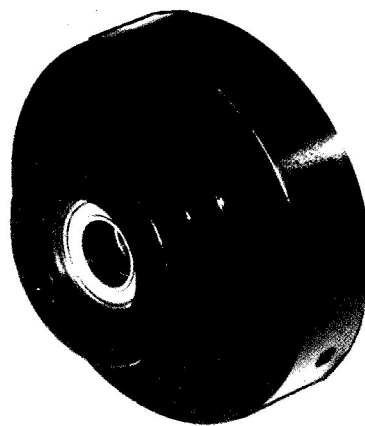
CENTRI-DYNE
Industrial Clutches

APPLICATIONS

**Air Compressors, Concrete-Vibrators, Plaster
Pumps, Cement Buggies, Power Trowels,
General Use Pumps, Crushers,
Vibrating Compactors, Sprayers,
Harvesting Equipment, Amusement Park Rides,
Golf Carts, Motor Scooters, Transporters,
Portable Conveyors, Refrigeration Compressors**

CENTRI-DYNE FEATURES

- Completely automatic operation
- Simple – fewer moving parts
- Rapid heat dissipation
- Unique 360° friction lining
- Sealed ball bearings
- Rugged, cast construction
- Extra capacity for non-slip operation under heavy loads
- Economical – extends the life of more costly engine



Model 600 shown

COMET INDUSTRIES

358 NW "F" Street, Richmond, IN 47374-2297
(800) 999-8161 Fax: (765) 935-2346
www.comet-oem.com



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CENTRI-DYNE *Industrial Clutches*

DESCRIPTION:

Simplicity is the keynote of the Centri-Dyne Clutch. Load to the engine is smoothly and automatically applied (and released) by control of the driving engine's throttle. As engagement does not occur until a specific RPM is reached, there is no load on the engine during cranking or idling.

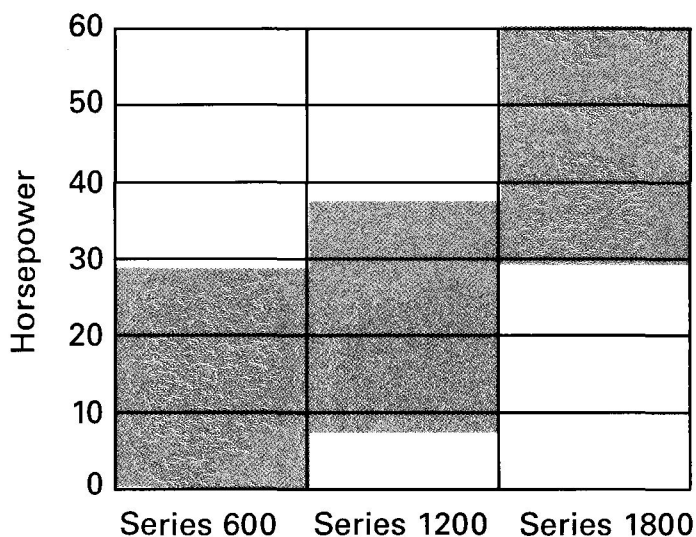
The clutch consists of a heavy, cast rotor which is supported on the engine's shaft. The drum portion is an integral part of the clutch and is supported on sealed bearings which are pressed on the rotor's shaft (or on the engine's shaft in smaller sizes).

At a predetermined RPM, centrifugal force causes the heavy, cast shoes to engage with a unique 360° friction lining in the drum/pulley portion of the clutch. During deceleration, return springs automatically disengage the clutch and load from the engine.

HOW TO SELECT CLUTCH SIZE

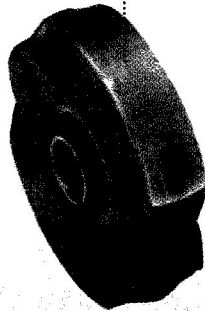
Comet Centri-Dyne Clutches are designed for 4-cycle engine applications with operating speeds up to a nominal 4000 r.p.m.

The dimensions and rating information given here are basic standard and intended for preliminary estimating purposes only. Comet works closely with many major Original Equipment Manufacturers to provide special products for singular size requirements, engagement speeds, larger horsepower and connection methods.



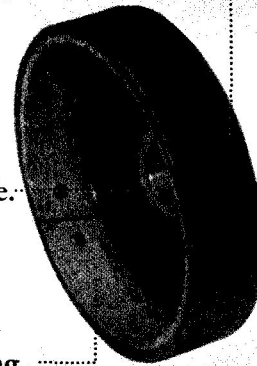
INTERNAL FEATURES:

One piece rotor precision balanced to provide extra capacity with smooth engagement.



Oversize ball bearings lubricated and sealed for life.

Unicast housing and sheave.



Full 360° friction lining with wear surface equally distributed over 100% area.

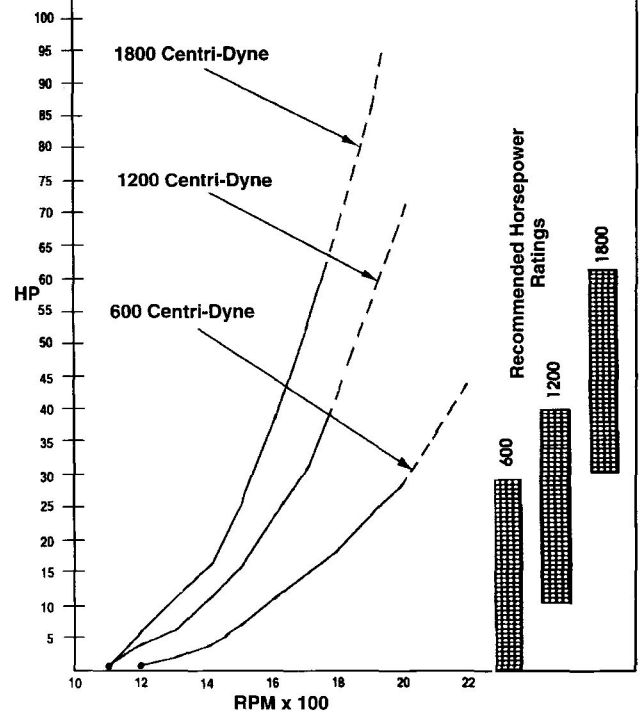
DEVELOPMENT

Centri-Dyne Industrial Clutches for gasoline and diesel engines are small in size and simple in design and function. The Centri-Dyne Clutch has been thoroughly job-tested and proven under the most severe and demanding field conditions.

For new applications, or for modifications of existing installations, the Centri-Dyne Clutch offers the design engineer new-found freedom from past restrictions...new ranges in power take-off, stand-by, clutching, starting, stopping and idling. Many limitations encountered in the past are eliminated with the Centri-Dyne Clutch.

Developed specifically for equipment subjected to hard use, the Centri-Dyne Clutch gives long, trouble-free service on engines from 1 to 60 horsepower. Higher horsepower is possible depending upon the application. In any installation where "down time" is money down the drain, the Centri-Dyne turns in profit-producing performance because of its durability and dependability.

Horsepower Transfer—Based on Stall Torque
(Shoes Self-Energized)



1800



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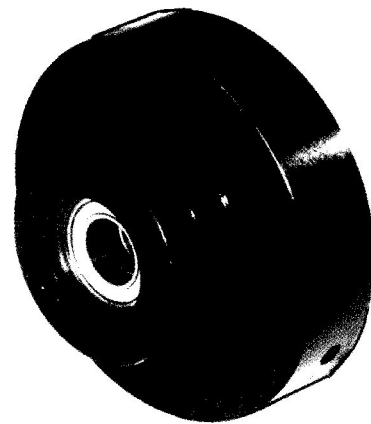
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