

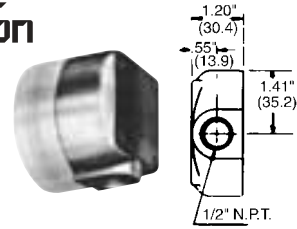
MODEL 758 – TYPE W



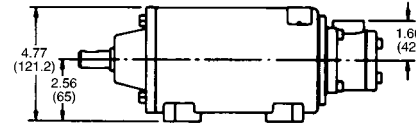
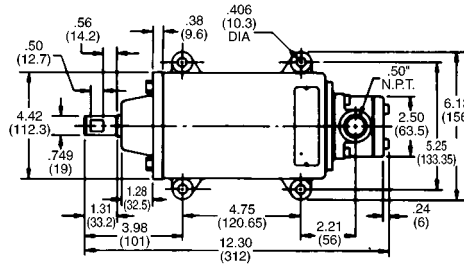
Explosion-Proof



DIMENSIONS
INCHES
(MILLIMETERS)



**Binding Post
Cover Box**



The 758 Series of tachometers all use a multi-pole cylindrical magnet turning in a wound stator constructed from quality transformer iron lamination. Single phase output current is a sine wave over the speed range of the tachometer. These units have 100 ohm stators and are intended for voltage responsive systems. When greater accuracy is required, use a tachometer having a 32 ohm stator (designation F in the type number) and a frequency responsive indicating system. For speeds over 5,000 rpm, use the bearingless AC generators.

Rigid, heavy-duty cast-iron base-mounting type housing with 3/4" diameter shaft supported by heavy duty ball bearings for direct coupling, pulley, spur gear or chain and sprocket drive. Provided with conduit junction box with 1/2 N.P.T. opening suitable for flexible conduit which may be located in anyone of four positions at right angle to shaft. Designed for locations which are subject to mechanical abuse or water spray, such as paper mills and chemical plants where cleaning up by hose is frequent. Housing is gasket sealed.

Approximate torque: 3.0 oz. in. starting, 3.0 oz.-in. running (1000 rpm).

Approx. weight: 24.5 lbs. (11.1 kgs.)

Type W—for Voltage-Responsive Systems.

Cat. No.758-9910002

Type WF—for Frequency-Responsive Systems.

Cat. No.0133484-902.

SPECIFICATIONS

VOLTAGE OUTPUT AT 1000 RPM 10 Volts AC $\pm 1\%$ Per 1000 RPM
Open Circuit

PERMISSIBLE CURRENT DRAIN: 150 mA

FREQUENCY AT 900 RPM: 60 Hz Sine Wave

ALLOWABLE END PLAY: .005"

MAX. OPERATING TEMP.: 250°F

INTERNAL RESISTANCE AT 25°C

Standard Unit: 100 Ω $\pm 1\%$

F. Type Unit*: 32 Ω $\pm 20\%$

STATOR: 8 Poles

INSULATION: Insulation Class 105

ROTOR: Alnico V, 8 Poles

BEARINGS: Ball

ACCURACY: $\pm 1\%$

TEMPERATURE COEFFICIENT

Standard Unit: 0.2% Per 10°C Change

F. Type Unit*: Not Compensated,
0.4% Per 10°C Change

EMF LINEARITY: Dependent Upon Load and Speed

MIN. SPEED: 500 RPM

MAX. TOP SPEED: 5000 RPM

STARTING TORQUE: 2-3 oz. ins.

RUNNING TORQUE AT 1000 RPM: 2.3 oz. ins.

WEIGHT: 24.5 lbs.

LENGTH: 12.35"

WIDTH: 6.13"

HEIGHT: 4.77"

MOUNTING: Base

ENCLOSURE: Spray Resistant

SHAFT DIAMETER: 3/4"

SHAFT CONNECTION: Direct, Geared or Belt

SHAFT LENGTH: 1 1/2"

ELECTRICAL CONNECTION: 1/2" N.P.T.
10-32 Studs

*F-Type generators for use in frequency responsive systems only. any of the above types can be supplied for use in frequency systems

TACHOMETERS/
GENERATORS