

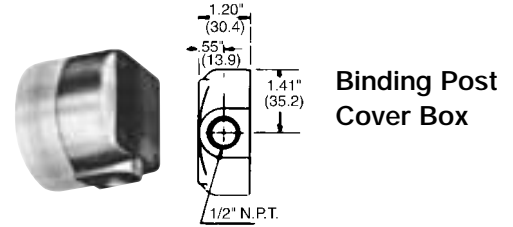
Model 758 – Type KB3



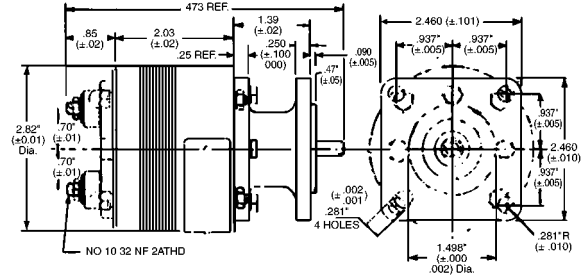
Pad Mounting (AN)



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.

Square aluminum mounting pad with a dust proof aluminum alloy housing and 1/4" square drive dog. Mounting pad in accordance with military drawing AND 20005. Two binding posts for electrical connections. Approximate torque: 2.0 oz. in. starting, 2.0 oz. in. running (1000 rpm). Approximate weight 2.5 lbs. (1.13 kgs.).

Type KB3—for Voltage-Responsive Systems.
Cat. No.758-9907000

Type KBF3—for Frequency-Responsive Systems.
Cat. No.758-9911000.

SPECIFICATIONS—KB3 AND KB6

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 TEMPERATURE: 250°F

INTERNAL RESISTANCE AT 25°C
Standard Unit 100: 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

Type KB6 same as **Type KB3** except method of electrical connection. Instead of binding posts, generator has a binding post cover box and an AN plug connector type AND 10066-12S-3P: The mating socket connector is an AN 3106-12S-3S (not supplied).

Type KB6—for Voltage-Responsive Systems.
Cat. No.758-9908000

Type KBF6—for Frequency-Responsive Systems.
Cat. No.0136522-902.

Type KB30—Same as Type KB3, but with a 3/16" square drive dog. Designed to operate only within protected environments.

Type KB30—for Voltage-Responsive Systems.
Cat. No.0134277-901.

Type KBF30—for Frequency-Responsive Systems.
Cat. No.0134277-903.

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: KB3-2.5 lbs. KB6-2.6 lbs.

LENGTH: KB3-4.74" KB6-5.11"

WIDTH: 2.82"

HEIGHT: KB3-2.82" KB6-3.38"

MOUNTING: Sq. AN Pad

ENCLOSURE: Dust Resistant

SHAFT DIAMETER: 1/4" Square

SHAFT CONNECTION: Direct

SHAFT LENGTH: .47"

ELECTRICAL CONNECTION: KB3-10-32 Studs
KB6-AN Plug Connection

*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