



FICHA TECNICA VIBRADORES EXTERNOS DE MOLDE DE ALTA FRECUENCIA APV

Cradle Mounted Vibration Motors

AVIBRO APV Series Cradle Mounted Vibration Motors (vibration motors), 3 faz 42 volt 100 Hz, 150 Hz, 200 Hz. veya talep doğrultusunda 250 Hz yüksek frekanslı olarak üretim yapıyoruz. İnşaat sektöründe metro, otoyol, hızlı tren, hidroelektrik santralleri cebri su tünellerinde, havalimanı, stat şantiyelerinde, beton prefabrik eleman üreten çelik, ahşap beton kalıplarında, yerinde döküm yapılan bir çok beton kalıplarında yumuşak betonun ayrılmaya (segregasyona) uğramadan kalıp içerisine yerleşmesi için sayısız bir çok beton kalıplarında kullanılmaktadır.

We declare that all our ADX series products comply with the essential health and safety requirements of the applicable EEC Directives (safety of machinery 2006/42/EC; and 2014/35/EU Low voltage directives) and are able to fulfill the requirements for free movement. *Declaration will loose its validity if there will be any change by product. AVM AFV / AFV-EC / AFV-C AVM-D AVM-P Series vibration motors can be operated by variable Frequency inverters (VFD featured).



Cradle Mounted Vibration Motors Technical Specifications

Three-Phase Input Voltage:
42 V 100Hz,150 Hz,200 Hz and 250hz on demand high frequency manufacturing veya talep doğrultusunda 250 Hz yüksek frekanslı olarak üretim yapıyoruz. We are offering you different voltage and frequency on demand APV series can be operated by electronic or electromechanic converters.

Frequency and Rotation per Minute (rpm)

For all APV Series :

Three-Phase

42-55 Volt: 200 Hz 12000 rpm

42-55 Volt: 150 Hz 9000 rpm

42-55 Volt: 200 Hz 6000 rpm

42-55 Volt: 250 Hz 6000 rpm

Adjusting Vibration Force

AVIBRO Vibration motors are designed for gaining most vibration according to working regime S1. Thanks to degrees on both end Masses from 0° to 180° you can adjust required vibration force. Eccentric masses on both side ends of shaft must be at same degrees.

AVIBRO Mechanical Protection

We hereby declare that All APV Series goods are manufacturing in compliance with regulations envisioned by EEC(Machine directive 2006/42/EC Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast) AND 2014/35/EU Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits (recast). *Declaration will lose its validity if there will be any change by product. *Declaration will lose its validity if there will be any change by product.

AVIBRO Inside of Electric Motor

We are highly aware of environmental pollution in our Planet. We are highly aware of environmental pollution in our Planet. For this reason, AVIBRO offers you more power compared to its competitors with the STATOR-ROTOR design created with the lowest loss silicon magnetic lamination sheets, while offering products with increased efficiency by reducing heating.

AVIBRO Vibration Motors Isolation Class

APV series vibration motors have powerful standard H class insulation. On demand, you can choose a stronger insulation class. Eccentric weight covers, bearing covers and terminal covers are mechanically protected against external damage with o-ring seals. Inside the terminal box, it is protected by Epoxy resin against breakage against leakage and vibration. IP 65-7

AVIBRO Vibration Motors Environmental Working Temperature

For all APV Series -20 °C to +40 °C (-4 °F to 104 °C)

AVIBRO Vibration Motors Thermal Protection

For APV series products, we do not have a standard thermistor application. We offer 130 C PTC Application on APV series products on demand.

AVIBRO Vibration Motors Body and Rotating Shaft

For the APV series, all other series and new products, stress analyzes are made on the product bodies and bearing covers on the 3D CAD program. Afterwards, we manufacture our 50 frame size body and bearing covers, our special alloy aluminum injection molding 60 and 110 structure size body and bearing covers from high resistant GGG 40 ductile cast iron. Our rotating shafts (rotor shaft) use NiCrMo special steel round raw material with high resistance to torsion and rupture with heat treatment.

AVIBRO Vibration Motors Painting

We use electrostatic epoxy powder paint in almost all of our APV Series products. Body color code: ORANGE Covers color Code: ORANGE

AVIBRO Vibration Motors Bearing and Lubrication

AVIBRO vibrator motors use bearings with C4 backlash produced for long-lasting vibration in all standard products. Thus, we produce long-lasting vibration motors for our customers. For our vibration motor bearings, we use long-lasting, high-strength greases against high centrifugal forces, stress caused by vibration, and abrasions that may occur from loads on bearing internal grains. We use labyrinth type channels and oil seals to ensure that the grease runs in the bearings without any leakage.

AVIBRO Vibration Motors On Demand Manufacturing

We Offer

Pre-heaters

Stainless side covers Cr

Different foot-prints for your special applications

design productions