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# High Frequency Mold External Vibrators APV Series

## 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 do?rultusunda 250 Hz yüksek frekanslı olarak üretim yapıyoruz. İn?aat sektöründe metro, otoyol, h?zli? tren, hidroelektrik santralleri cebri su tünellerinde, havaliman?, stat ?antiyelerinde, beton prefabrik eleman üreten çelik, ah?ap beton kalıplarında, yerinde döküm yapılan bir çok beton kalıplarında yumu?ak betonun ayr??maya (segregasyona) u?ramadan kalı? içerisine yerle?mesi için say?s?z 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 do?rultusunda 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

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## **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 %100 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 harmonization 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° ile +40 C° ( -4 F ile 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 footprints for your special applications

design productions

## TECHNICAL DRAWING



## TECHNICAL CATALOG

Model / Type	Gerilim Voltage ( V )	Faz Phase	Frekans Frequency (Hz)	Frekans Frequency (A)	Giri? Gücü Input / Power (W)	Devir rpm	Statik Moment Statical Moment (m <sup>1</sup> ) (Kgmm)	Santrüfuj Kuvvet Centrifugal Force (Kg)	Santrüfuj Kuvvet Centrifugal Force (KN)	A??rl?k Weight ( Kg )
APV 2600/12	42 / 55	3	200	15	900	12000	16,20	2.607	25,575	21
APV 1800/9	42 / 55	3	150	14	900	9000	19,93	1.805	17,707	20
APV 1200/6	42 / 55	3	200	15	950	6000	27,98	1.126	11,046	19,5
APV 2200/9	42 / 55	3	150	23	1750	9000	23,19	2.100	20,601	22,5
APV 1550/6	42 / 55	3	200	20	1500	6000	38,52	1.550	15,206	20

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Search:

<b>Model / Type</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>ØE</b>	<b>F</b>	<b>G</b>	<b>L</b>	<b>M</b>
APV	301	240,5	75	200	172,50	66,50	145	83	226

