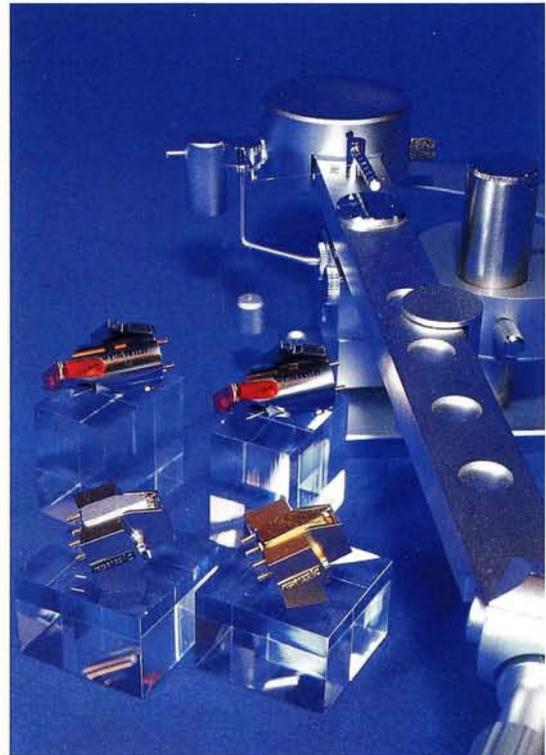
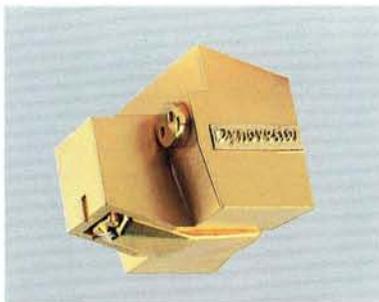


# Dynavector

**MOVING COIL CARTRIDGE**



**Dynavector Systems, Ltd.**



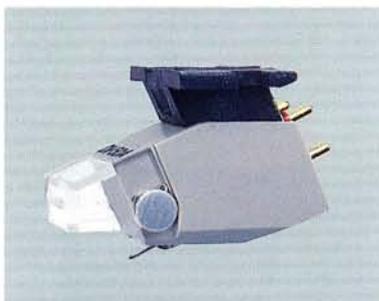
**DV/KARAT DIAMOND(100D)**



**DV/KARAT 17DIAMOND(17D)**



**DV/KARAT 23RUBY(23R)**



**DV/50A**



**DV/20A Type2**



**DV/20B Type2**

**DV/KARAT DIAMOND**

The KARAT series of moving coil cartridges breaks new ground in the continued search for perfect sound performance. Dramatically short length of cantilever of this KARAT series is based on the purely academic theory to obtain the minimum dispersion of the transverse wave propagation along the cantilever as well as on the conventional criteria of the wide and flat frequency response. The very short length and the very hard material for the cantilever are the most needed condition to avoid the dispersion. Dynavector is the first predecessor to use the diamond cantilever in the audio manufacturer to meet these requirements. DV/KARAT DIAMOND appeared in 1979 and was given the CES Design & engineering award in that year. This cartridge is one of the most successful products in our company and many reviewers and magazines of the world are using this cartridge as the reference cartridge.

**DV/KARAT 17DIAMOND**

Dynavector's design principle which is based on the more rigorous satisfaction of the minimum dispersion and the very flat frequency response results in the more realistic reproduced sound which is never heard by the conventional design method. After the great success of DV/KARAT DIAMOND, Dynavector repeated the many trials to reduce the dispersion by the shorter cantilevers and found that the shortest length of diamond cantilever is 1.7mm by the existing standard of technology for the size of the diamond stylus. This 1.7mm length rewarded the extremely small size of armature and the reasonable price. The combination of such the shortest diamond cantilever and the tiniest armature results the much less dispersion and the wider frequency response than any other cartridge. DV/KARAT 17D is truly the innovation of the pick up cartridge design.

You can enjoy the reproduction of the new generation sound even from the old discs as well as the most advanced direct and digital discs.

**DV/KARAT 23RUBY**

This cartridge is the successor of the world most successful moving coil cartridge "DV/KARAT RUBY" which was designed by the same theory of DV/KARAT DIAMOND. The length of the ruby cantilever was reduced to 2.3mm from 2.5mm. The armature size was reduced to 0.9mm square from 1.0mm square as well. Other advanced considerations are applied for the more reliability as well as the performance improvement. You can easily recognize the significant features of the design principle of DV/KARAT series by this standard product from Dynavector.

**DV/50A**

Dynavector is historically famous for its high output moving coil cartridges.

But since the success of DV/KARAT, we are convinced by the theory of minimum dispersion which is the basic philosophy of our low output cartridge design.

DV/50A is the achievement of Dynavector for the popular priced moving coil cartridge which retains the feature of the smaller dispersion and well extended frequency response.

DV/50A has short length cantilever of 5mm, the nude elliptical diamond stylus, very small sized armature of 1.3mm square and the very good tracking ability as well as the very light mass of 4.5grams which enables the easiest reproduction of modern direct cut discs.

The performance and musicality of DV/50A can easily parallel or out perform many other contenders of high price range.

## HIGH OUTPUT MC CARTRIDGES

### DV/20A Type2

### DV/20B Type2

These cartridges are the successors of the famous Dynavector /Ultimo 20A and 20B types which have been enjoying such very good world-wide reviews for their excellent musicality, technical performance and unusually high output voltage for moving coil construction.

Based on this very great success, we have re-designed them to even higher standards. Both the 20A and 20B Type 2 can now deliver an amazingly high output voltage of 3.6mV, together with an astonishingly flat frequency response to 20kHz.

The tracking ability is superb to match the most difficult direct cut discs. All its predecessors' features are retained, but great technological advancement has given the new Type 2s more easiness and musicality. Thanks to the very high output voltage and the light weight of the new models, many more music lovers will be able to enjoy the realistic sound of the moving coil construction without the nuisance or added expense of additional transformers or pre pre-amplifiers.

### DV-10X Type2

The extremely formidable specification targets for the DV/10X<sub>2</sub> in the design stage included : (a) Very flat frequency response. (b) Excellent tracking ability. (c) High output voltage. (d) Fine musicality. (e) Low price. These factors are contradicting all the time in the design of moving coil cartridges, but due to the very advanced standards of technology employed in our laboratories it has been possible to solve these difficulties in a most successful manner.

DV-10X<sub>2</sub> is successive model of world famous DV-10X that was also selected as Design and Engineering Exhibition in 1978 CES Chicago for its outstanding performance and very reasonable price.

In DV-10X<sub>2</sub>, output voltage is increased to 2.3mV from 1.8mV of DV-10X which has enabled listeners to enjoy more precise and dynamic sound from their conventional equipment without nuisance of adding transformers or pre-pre amplifiers.

## TONE ARM

### DV/505

This unconventional tone arm is our answer to to-day's advanced record cutting technology. The DV/505, with its biaxial arm, dynamic and electro-magnetic damping systems and spring loaded tracking force, gives 100% cartridge performance. The DV/505 arm will extract from the Dynavector cartridge the very maximum in quality and enable you to experience tremendous satisfaction from your records. The 1977 CES Design and Engineering Exhibition selected and awarded the DV/505 tone arm. Why not treat yourself to this luxury-the experience will be well worth it.

## TRANSFORMERS

### DV/6A DV/6X DV/6Z

Made to the same rigid standards of excellence as the Dynavector moving coil cartridges. The DV/6A is, designed to bring the low output voltage of moving coil cartridges up to more practical levels. It features expensive solid silver wire and a massive magnetic core. These extravagances are more than compensated for by its performance quality.

The DV/6A is the most prestigious among the many other transformers or pre amplifiers. The DV/6X and DV/6Z are the economical version but retain almost all the special features of the DV/6A.



DV-10X<sub>2</sub>



DV/505



DV/6A



DV/6X



DV/6Z

## LOW OUTPUT MC CARTRIDGES

Specification	DV/KARAT DIAMOND (100D)	DV/KARAT 17DIAMOND(17D)	DV/KARAT 23RUBY(23R)	DV/50A
Output Voltage	0.2mV at 1kHz, 5cm/sec	0.2mV at 1kHz, 5cm/sec	0.2mV at 1kHz, 5cm/sec	0.2mV at 1kHz, 5cm/sec
Separation	Over 20dB at 1kHz	Over 20dB at 1kHz	Over 20dB at 1kHz	Over 20dB at 1kHz
Frequency Response	20~70kHz, 20~20kHz±1dB	20~70kHz, 20~20kHz±1dB	20~50kHz, 20~20kHz±1dB	20~50kHz, 20~20kHz±1dB
Stylus	Line Contact	Improved super elliptical	Improved super elliptical	Elliptical (0.3×0.7mil)
Cantilever	0.4×0.4×2.5 oblique cut naked diamond	Nude block 1.7mm length diamond	Nude block 2.3mm length ruby	Straight aluminium
Compliance	$15 \times 10^{-6}$ cm/dyn	$20 \times 10^{-6}$ cm/dyn	$15 \times 10^{-6}$ cm/dyn	$20 \times 10^{-6}$ cm/dyn
Wiring impedance	R=30Ω L=80μH	R=32Ω, L=90μH	R=35Ω, L=100μH	R=30Ω L=80μH
Tracking Force	1.5gr±0.3	2.0gr±0.2	1.5gr±0.2	1.5gr±0.2
Total Weight	5.3gr	5.3gr	5.3gr	4.5gr

## HIGH OUTPUT MC CARTRIDGES

Specification	DV/20A Type 2	DV/20B Type 2	10X Type 2
Output Voltage	3.6mV at 1kHz, 5cm/sec	3.6mV at 1kHz, 5cm/sec	2.3mV at 1kHz, 5cm/sec
Separation	Over 20dB at 1kHz	Over 20dB at 1kHz	Over 20dB at 1kHz
Frequency Response	20~40kHz, 20~20kHz±1dB	20~40kHz, 20~20kHz±1dB	20~20,000Hz
Stylus	Elliptical (0.3×0.7mil)	Elliptical (0.3×0.7mil)	Elliptical
Cantilever	Tapered aluminium	Straight solid beryllium	Tapered Aluminium
Compliance	$24 \times 10^{-6}$ cm/dyn	$24 \times 10^{-6}$ cm/dyn	$15 \times 10^{-6}$ cm/dyn
Wiring impedance	R=510Ω L=1.0mH	R=510Ω L=1.0mH	R=250Ω L=0.7mH
Tracking Force	1.8gr	1.8gr	1.5gr
Total Weight	5.3gr	5.3gr	9.5gr

## TONE ARM

Specification	DV/505
Overall Length	335mm incl. head shell
Effective Length	241mm
Offset Angle	21.5degrees
Lateral Tracking Error	0° at inner grooves, 2.2° at outer grooves
Overhang	15mm
Adjustable Height Range	38~70mm
Lateral & Vertical Sensitivity	Less than 50mg
Head Shell Connection	Standard EIA type 4-pole connection

## TRANSFORMERS

Specification	DV/6A	DV/6X	DV/6Z
Adaptable impedance of the cartridge	3~40ohms	3~60ohms	2~40ohms
Load resistance	47K ohms	47K ohms	47K ohms
Step-up ratio	1 : 13	1 : 20	1 : 10
Frequency Response	10~70,000Hz+0dB, -dB	10~30,000Hz+0dB, -1dB	10~30,000Hz+0dB, -1dB
Max. input at 50Hz	300mV	200mV	200mV
Distortion	below 0.01%	below 0.01%	below 0.01%
Dimension	52(W)×191(D)×75(H)mm	75(W)×115(D)×45(H)mm	70(W)×63(D)×38(H)mm
Others	balanced or unbalanced connection is switchable		

※Specifications subject to change without notice.

Authorised Dealer or Distributor

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