



Model No.
NFP-SH555-FS

1. Application

This datasheet covers model **NFP-SH555-FS**, a 36mm vibration motor in a 57mm type package built around a single iron fan-shape eccentric rotating mass. It is intended for applications that require a compact but forceful ERM drive, with multiple DC voltage selections and two nominal speed options for easier system matching and product integration.

2. Motor Parameters

Item	Value
Model	NFP-SH555-FS
Product type	Single-head DC vibration motor / powerful ERM motor
Motor frame	555 series vibration motor
Voltage options	6V DC / 12V DC / 24V DC
Nominal speed options	4,000rpm / 8,000rpm
Eccentric rotating mass	Single iron fan-shape head
No-load current	0.3A - 0.45A
On-load current	0.7A - 0.9A
Rated power	15W
Weight	240g
Customization	Production quantity, customization, and integration support available
Design highlights	High vibration output, compact construction, multiple voltage choices, simple DC drive integration

The specification values shown in this document are compiled from the product page summary for quick engineering reference. Final integration values should be verified in the finished assembly under the actual eccentric load and mounting condition.

3. Performance / Ordering Variants

Voltage	Nominal Speed	No-load Current	On-load Current	Rated Power	Configuration
6V DC	4,000rpm	0.3A - 0.45A	0.7A - 0.9A	15W	Single fan-shape head
12V DC	4,000rpm	0.3A - 0.45A	0.7A - 0.9A	15W	Single fan-shape head
12V DC	8,000rpm	0.3A - 0.45A	0.7A - 0.9A	15W	Single fan-shape head
24V DC	8,000rpm	0.3A - 0.45A	0.7A - 0.9A	15W	Single fan-shape head

Note: the source page groups current and power values as overall product data rather than separate measurements for each voltage-speed combination. Use the listed ranges as quick reference values and confirm final performance in your finished application.

4. Electrical & Integration Notes

Parameter	Engineering note
Voltage selection	Available in 6V, 12V, and 24V DC versions for easier adaptation to different power architectures.
Speed selection	The product page lists two nominal speed classes: 4,000rpm and 8,000rpm.
Drive style	Direct DC drive vibration motor; simple wiring and easy bench evaluation.
Output behavior	Vibration level is generated by the eccentric rotating mass and will vary with mounting rigidity and system load.
Mechanical form	Compact 555 frame motor body suited to equipment that needs higher vibration force than very small ERM units.
Customization path	The page explicitly offers quotations for production quantities, customizations, and integration work.

5. Application Guidance

Integration topic	Why it matters in design
Prototype evaluation	Fast way to compare 4,000rpm and 8,000rpm variants during proof-of-concept development.
Vibration assemblies	Suitable where a stronger single-head vibration source is preferred over smaller cylindrical micro motors.
Machine submodules	Can be considered for feeders, shakers, effect modules, or alert mechanisms where a robust ERM source is needed.
System tuning	Final vibration amplitude depends on installation method, supply condition, and the attached structure.

6. General Notes

Reference item	Details
Page title on source website	36mm Vibration Motor - 57mm Type Model NFP-SH555-FS
Commercial contact	info@nfpmotor.com
Quotation support	Production quantity pricing and customization support are available on request.
Document purpose	Compact customer-facing datasheet layout prepared from the supplied product page and template style.

This page intentionally reserves the final section for the outline drawing, following your requested layout order. The drawing itself is not embedded here so you can add your own final dimensional artwork afterward.

7. Outline Drawing

