

LONG LIFE, HIGH QUALITY DC BRUSH MOTORS

An optimized solution is achieved by combining our latest design and production technologies.

Long life

High quality

High output

LOW noise










RoHS-compliant

Features

- Long-life : Intermittent operation over 1 million cycles with optimized brush design. *1
- Continuous operating life of 3000 hours. *1
- High output : High heat dissipation and heat resistance achieves higher output
- High strength : High radial load capacity due to robust construction, large diameter output shaft and ball bearings
- Low noise and increased insulation due to new resin brush holders.
- Large selection of gear heads and reduction ratios are available to meet all needs.
- Also available with magnetic revolution sensor and noise filter *2

*1 Differs depending on environment and application. Contact us for details. *2 Scheduled for release April2006.

SELECTION CHART

	Specifications				Gearbox								
	Output	Voltage	Holding torque	Speed	A	L	36G	43G	50G	6DG	6DGF	8DG	8DGF
	W	V	mN·m	r/min									
					36x61mm	38x100mm	φ37mm	□ 43mm	φ50mm	□ 61mm	□ 61mm	□ 80mm	□ 80mm
DMN29BA	3.0	12	7.8	3700	●	●	●	●	●	●			
DMN29BB		24			●	●	●	●	●	●			
DMN37SA	4.6	12	9.8	4500					●	●			
DMN37SB		24								●	●		
DMN37BA	7.2	12	14.7	4700					●	●	●	●	
DMN37BB		24								●	●	●	●
DMN37KA	9.2	12	24.5	3600					●	●	●	●	
DMN37KB		24								●	●	●	●
DMN37JB	14.7	24	39.2	3600							●	●	●

MOTOR DESIGNATIONS

MOTOR ONLY

DMN 37 B A

- SERIES NAME
DMN series
- MOTOR DIAMETER in
φ29mm
φ37mm
- OUTPUT POWER
S : STANDARD TYPE
B : HIGH POWER TYPE1
K : HIGH POWER TYPE2
J : HIGH POWER TYPE3
- RATED VOLTAGE
A : DC12V
B : DC24V

MOTOR WITH SENSOR

DMN 37B 6HFP A

- OUTPUT POWER
S : STANDARD TYPE
B : HIGH POWER TYPE1
K : HIGH POWER TYPE2
J : HIGH POWER TYPE3
- TYPE OF PINION SHAFT
6HP : 6DG (MATCHING GEARBOX)
6HFP : 6DGF (MATCHING GEARBOX)
8HP : 8DG (MATCHING GEARBOX)
8HFP : 8DGF (MATCHING GEARBOX)
- RATED VOLTAGE
A : DC12V
B : DC24V

GEARED MOTORS

DMN 29 B 36G 10 B

- OUTPUT POWER
S : STANDARD TYPE
B : HIGH POWER TYPE1
K : HIGH POWER TYPE2
- GEARBOX TYPE
36G
43G
50G
L
- RATED VOLTAGE
A : DC12V
B : DC24V
- GEAR RATIO

GEARBOX SUPPLIED SEPARATELY

6DG 15 F

- GEARBOX TYPE
6DG 6DGF
8DG 8DGF
- GEAR RATIO

*Motors combined with gear heads are manufactured to order.
The model code to be like: DMN37B6DGF15B

A TYPE GEARED MOTORS

DMN 29 B A-002

- OUTPUT POWER
B : HIGH POWER TYPE1
- GEARBOX TYPE
A
- RATED VOLTAGE
002 : DC24V
003 : DC12V

Long Life

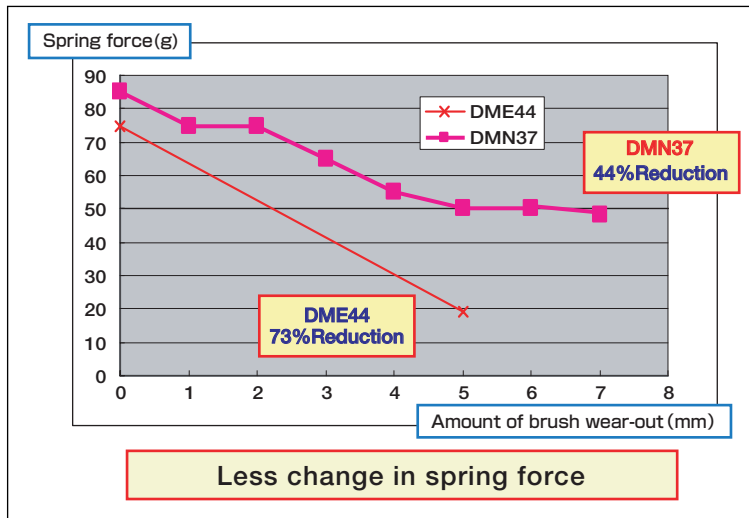
Life time

DME Series	DME25	DME33	DME34	DME37	DME44
	1000Hours			2000Hours	
DMN Series	DMN29			DMN37	
	3000Hours			3000Hours	

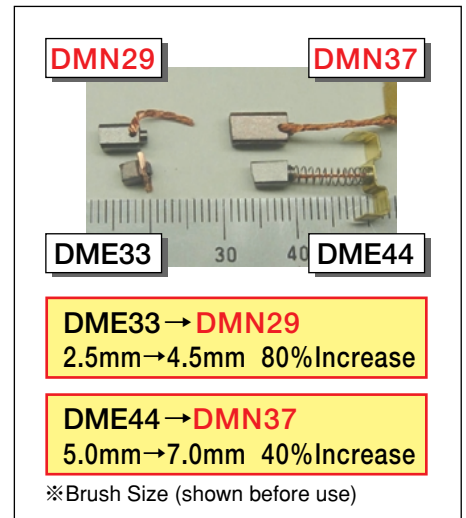
Continuous Operation :

※The motor life-time is dependent upon actual application conditions. Please consult us for more information.

Brush Wear Rate

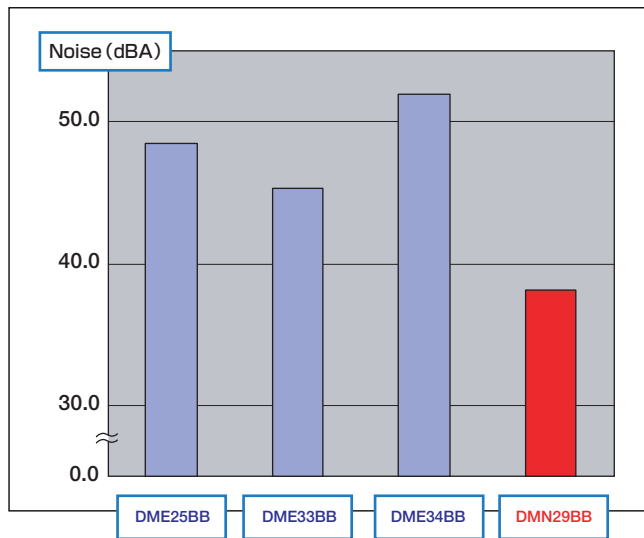


Brush Length



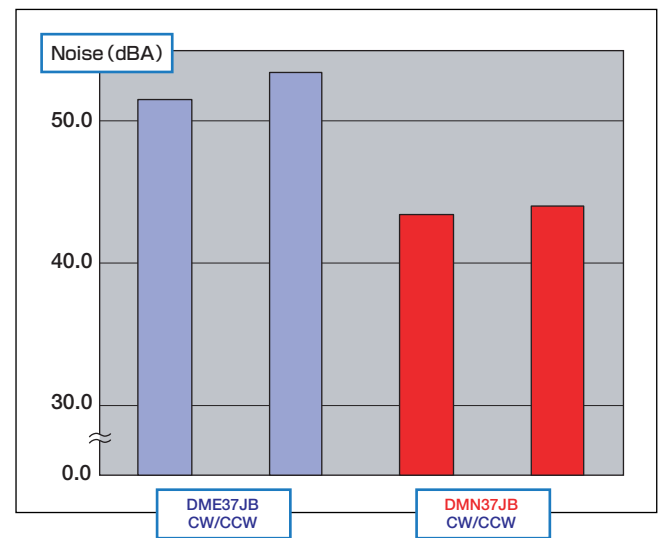
Comparison of Noise

DME25/33/34 ⇨ DMN29



By adoption of Resin Brush Holder, Noise reduced by 8dB compared to DME25, 33, 34

DME37 ⇨ DMN37



By adoption of Resin Brush Holder, Noise reduced by 8dB compared to DME37