

**: 2000.02.25**

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가

가

1

( )

Rated Voltage [V]	( )
Rated Current [A]	
Rated Output [KW or HP]	
Insulation Class	
Temp. Rise [ ]	
KVA Code	
Enclosure	
Area Class.	
Frame	
Serial No.	

NEMA MG-1

2

2.1 (Rated Voltage ; V, ]

가 가

60 Hz

	[ ]
150 KW	6.6 KV
149 KW	480 V

가

가

가

가

가

가

50 Hz

60 Hz

가

50 Hz

60 Hz

60 Hz

50 Hz

( )

가

가

가

**2.2 (Rated Current; A)**

가 가

가

**2.3 (Rated Output; KW or HP)**

HP (Horse Power = 0.75 KW) Motor KW

( )

2 4

가

[KW]	
6.6 KV	10 %
480 V	110%

300KW, 6.6 KV  
110 A

30 A

100 KW, 480 V

**2.4 (Insulation Class)**

7

Y	90	, , , ,
A	105	
E	120	, ,
B	130	, ,
F	155	
H	180	
C	180	[200 ]

B F

## 2.5 (Temperature Rise)

가

Temperature) 40 “B” 80 가 (Ambient  
가

가

### 2.5.1

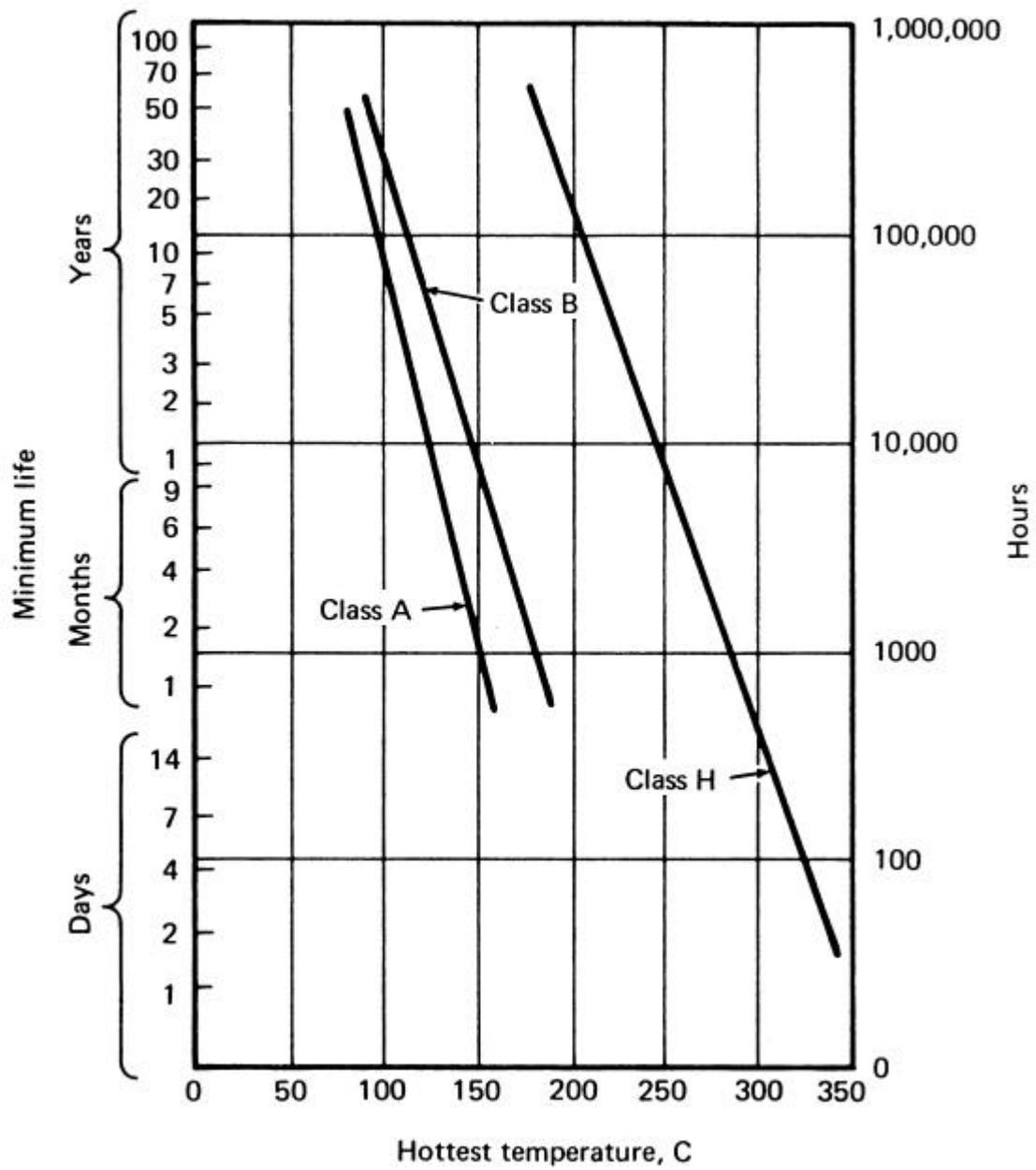
가

30

가

10

10



가 가

F

B

H

A

가

가

가

,

Trend

2.5.2

가

가

: , , /

: , , ,

: , ,

: , , ,

2.6

(KVA Code) : NEC (NFPA 70)

6

가

Motor

HP

KVA

19  
Locked-Rotor Indicating Code Letter

Code Letter	KVA / HP	Code Letter	KVA / HP	Code Letter	KVA / HP
A	3.14	H	6.3 ~ 7.09	R	14.0 ~ 15.99
B	3.15 ~ 3.54	J	7.1 ~ 7.99	S	16.0 ~ 17.99
C	3.55 ~ 3.99	K	8.0 ~ 8.99	T	18.0 ~ 19.99
D	4.0 ~ 4.49	L	9.0 ~ 9.99	U	20.0 ~ 22.39
E	4.5 ~ 4.99	M	10.0 ~ 11.19	V	22.4
F	5.0 ~ 5.59	N	11.2 ~ 12.49		
G	5.6 ~ 6.29	P	12.5 ~ 13.99		

100 HP 가 J  
7 8 가 700 KVA ~ 800 KVA 가  
480 V, 2  
110 A  
720 A ~ 840 A 가 가 6

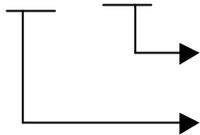
2.7 (Enclosure)

IP IP NEMA Type

2.7.1 IP

NEMA MG 1 Part 5

IP



( )  
( )

1st Number		2nd Number	
0		0	
1	50mm	1	
2	80mm 12mm	2	15°
3	2.5mm	3	60° (Water Spray)
4	1.0mm	4	(Water Splash)
5	(Dust Protected)	5	Water Jet
6	(Dust Tight)	6	
		7	(Immersion)
		8	(Submersion)

IP 54 Dust

Protected & Water Splash  
IP 40 1.0mm



2.8

(Open Type)

(Totally Enclosed Type)

가

가

**NEMA MG 1-1.25**

2.8.1 (Open Type)

가

3 가

**WP** 가

**ODP (Open Drip Proof)**

가 15 °

Opening 가

가

**WP (Weather Protected )**

ODP Type Opening

가

**WP (Weather Protected )**

WP

가

Air Filter

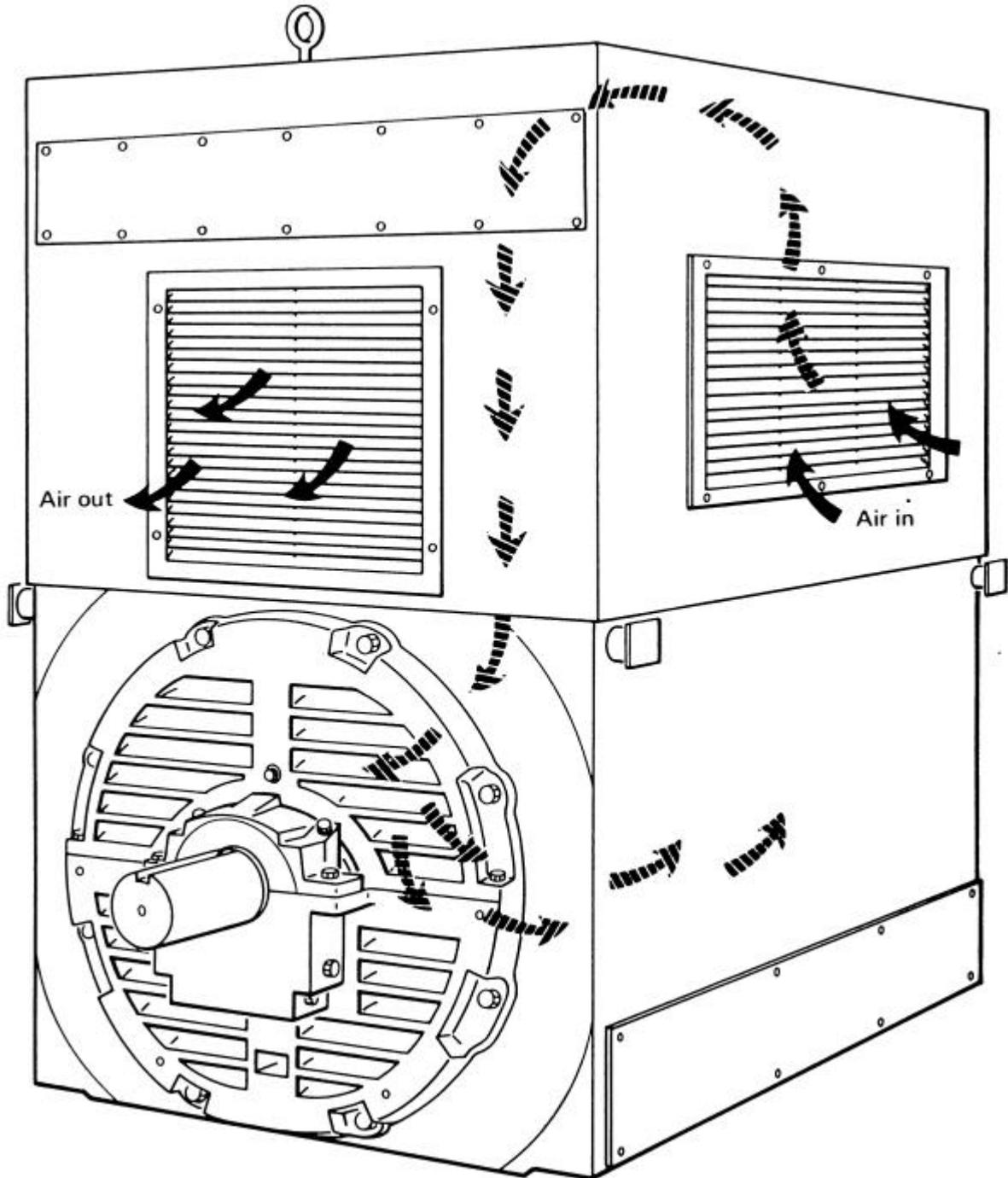
Cleaning

Stator

Coil Cleaning

가

WP



[WP

] ]

2.8.2 (Totally Enclosed Type)

TEFC TEAAC TEWAC .

TEFC (Totally Enclosed Fan Cooled)

, 가 .

TEAAC (Totally Enclosed Air-to-Air Cooled)

TEFC Air Duct  
Tube  
가 Tube Cooled .

TEWAC (Totally Enclosed Water to Air Cooled)

(Tube)  
PP Main Extruder  
가 .

TEFV (Totally Enclosed Forced Ventilated)

TEFC .

TENV (Totally Enclosed Non Ventilated)

TEFC .

**TEXP (Totally Enclosed Explosion Proof)**

(Flame Proof)

**2.8.3**

가

가

Maintenance

가

가

,

가  
가

**2.9**

**(Area Classification)**

**2.10**

**(Frame Size)**

Foot

Center

가

가

**Manufacturers Association)  
Committee)**

**(NEMA : National Electrical  
(IEC : International Electro-technical**

가

mm

IEC

가

**NEMA**

NEMA

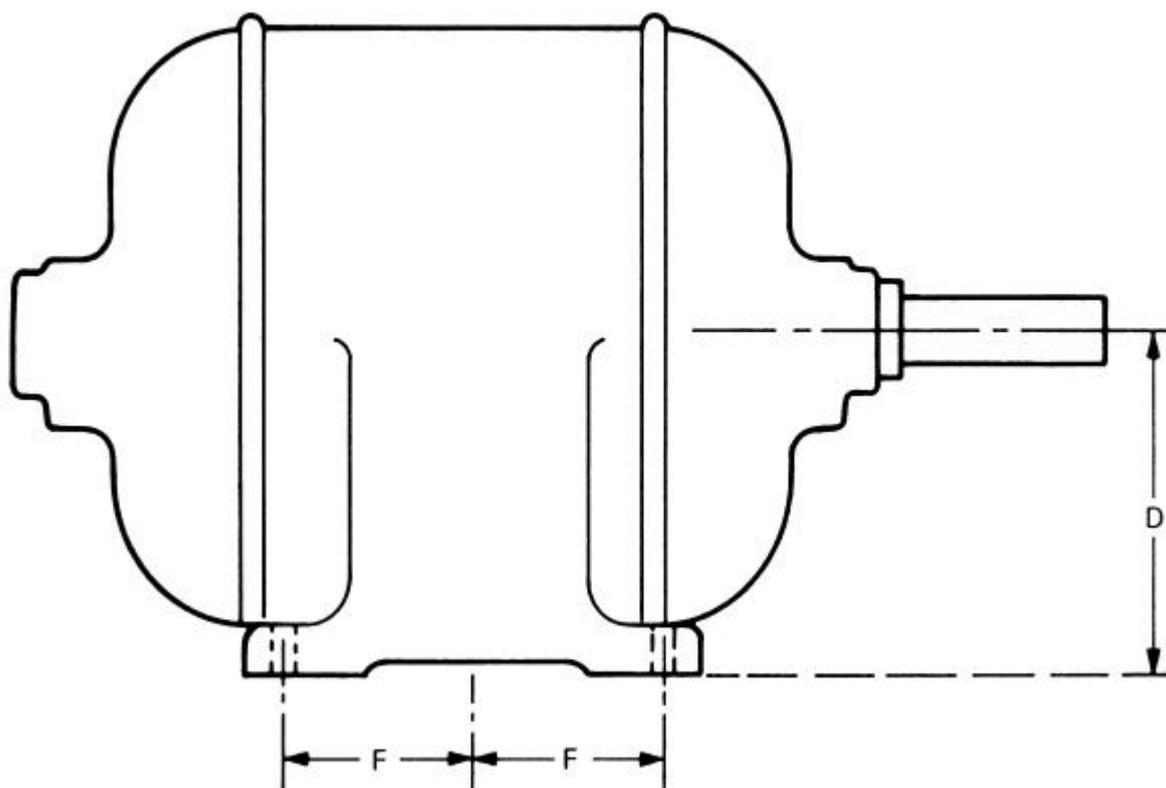
Dimension,

NEMA MG 1 Part 11

<b>Frame Size</b>	3	4	<b>“D” Size</b>
	2	“D” 4	Inch
	<b>“2F” Size</b>		
<b>Foot Bolt Hole</b>			

Frame Size 가 “285”

Frame number equals approximately  $4 (IOD) + F$



[ ]

**NEMA MG 1 Part 11**

Frame	D Size	2 F Size (3 4 )							
		1	3	5	7	9	11	13	15
140	3.5	3.00	4.00	5.00	6.25	8.00	10.00	12.50	16.00
180	4.5	4.00	5.00	6.25	8.00	10.00	12.50	16.00	20.00
280	7.00	6.25	8.00	10.00	12.50	16.00	20.00	25.00	32.00
360	9.00	8.00	10.00	12.50	16.00	20.00	25.00	32.00	40.00
440	11.00	10.00	12.50	16.00	20.00	25.00	32.00	40.00	50.00
580	14.50	12.50	16.00	20.00	25.00	32.00	40.00	50.00	63.00
680	17.00	16.00	20.00	25.00	32.00	40.00	50.00	63.00	80.00

3 4 1 15

Size 50 Frame 4415 D Size 11.00 2 F

Frame

IEC NEMA

2.11 (Serial No.)

Lot

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[ ]