

# IEC Catalog Numbering System

<b>MHD</b> IEC HOSTILE DUTY (WORLD MOTOR)*	<b>22</b> 22 KW	<b>P</b> IE3 (Premium Efficient) Three Phase	<b>( )</b>	<b>2</b> 4 Pole	<b>Y</b> 230/400 Volt (50hz)	<b>( )</b>	<b>30</b> B5 (Footless)	<b>0</b> Default	<b>1</b> 1 Standard Shaft	<b>( )</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>

**1** **PRODUCT FAMILY**  
MHD IEC HOSTILE DUTY (WORLD MOTOR)

**2** **KW (IEC)**

0	SPECIAL
0012	.12
0018	.18
0025	.25
0037	.37
004	.40
0055	.55
0075	.75
011	1.1
015	1.5
018	1.8
022	2.2
03	3
037	3.7
04	4
055	5.5
075	7.5
111	11
15	15
18	18.5
22	22
30	30
37	37
45	45
55	55
75	75
90	90
110	110
132	132
160	160
200	200

**3** **ELECTRICAL**

A	PERM SPLIT CAP (1Ø)
B	SPLIT PHASE (1Ø)
C	CAP START (1Ø)
D	CONSTANT TORQ 2WDG (3Ø)
E	IE2 (ENERGY EFFICIENT) (3Ø)
F	CONSTANT HP 1WDG (3Ø)
G	CONSTANT HP 2WDG (3Ø)
K	VAR TORQ 2WDG (3Ø)
L	VAR TORQ 1WDG (3Ø)
P	IE3 (PREMIUM EFFICIENT) (3Ø)
Q	DESIGN C (3Ø)
R	CONSTANT TORQ 1WDG (3Ø)
S	IE1 (STD EFFICIENT) (3Ø)
T	INV DUTY CON TORQ (3Ø)
V	INV DUTY VAR TORQ (3Ø)

DEFAULT MULTI-SPEED IS STD EFF  
P&E PRECEDING MULTI-SPD ARE  
P PREM EFF  
E ENERGY EFF

**4** **SECOND ELECTRICAL**  
FRACTIONAL & TITAN® WHERE REQUIRED

A	AUTO PROTECT
M	MANUAL PROTECT
R	INSTANT REVERSING GATE & DOOR
T	TWO COMPARTMENT
Y	TITAN® F RISE @ 1.0 SF

**5** **POLES**

1	2P
2	4P
3	6P
4	8P
5	10P
6	12P
7	14P
8	16P
9	4/8P
10	4/6P
12	2/4P
26	4/12P
34	6/8P
36	6/12P

**6** **VOLTAGES**

2	2300
A	208-230/460 OR 200-230/460
B	230/460
C	460
D	208-230/460 & 190/380
E	230/460 & 190/380 OR 230/460 & 200/4000
F	460/380 OR 460/400
G	575
H	200 OR 200-208
I	90
J	115/208-230
K	230 & 208-230
L	110/220
M	220/440 & 208-220/440
N	115
P	115/230
Q	180 (DC) & 190/380 (DC)
R	220/380-440 (Y-DELTA)
S	460 PWS
T	400 (50HZ)
U	380/660 & 400/690 (50HZ)
V	4000
W	2300/4000
X	200/400
Y	230/400 (50HZ)
Z	OTHER

**7** **FRAME**  
INTEGRAL HP 3Ø  
F = DOWN FRAME  
G = UPFRAME

**8** **IM XXxx**

10	Default*
20	B5 Footed
21	B14 Footed
30	B5 Footless
36	B14 Footless
22	Double B5 Footed
23	Double B14 Footed

\*SEGMENT [8], [9], AND [10] BLANK IF IM CODE IS 1001

**9** **IM xxXx**

0	Default*
1	Shaft Down
3	Shaft Up
5	Wall, Shaft Left
6	Wall, Shaft Right
7	Ceiling

\*SEGMENT [8], [9], AND [10] BLANK IF IM CODE IS 1001

**10** **IM xxxX**

1	1 STANDARD SHAFT (DEFAULT)*
2	2 SHAFT EXTENSIONS
9	SPECIAL SHAFT

\*SEGMENT [8], [9], AND [10] BLANK IF IM CODE IS 1001

**11** **CONDUIT BOX LOCATION**

DEFAULT	TOP SIDE CONDUIT BOX
R	RIGHT SIDE CONDUIT BOX
L	LEFT SIDE CONDUIT BOX

**12** **SPECIAL**  
B ROLLER BEARING