

PowerFlex 6000 Medium Voltage Variable Frequency Drives (UL Rated)

¹ **6000U** ² **A** ³ **97** ⁴ **D** ⁵ **E** ⁶ **AJ** ⁷ **6** ⁸ **E** ⁹ **HE** ¹⁰ **– 1...etc.**
a *b* *c* *d* *e* *f* *g* *h* *i* *j*

a

Bulletin Number

Code	Description
6000U	PowerFlex 6000 (UL Rated)

b

Service Duty/Altitude Code

Code	Description
A	Normal Duty, 0...1000 m Altitude. Maximum 40 °C Ambient
J	Normal Duty, 0...1000 m Altitude. Maximum 50 °C Ambient (Contact Factory) Reduced Drive Current Rating 2.5% per degree above 40 °C
T	Normal Duty, 1001...3000 m Altitude (Contact Factory) Reduced Drive Current Rating 1001...2000 m = 10% 2001...3000 m = 20%

c

Drive Current Rating

Code	Description	Code	Description
31	31 Amp	61	61 Amp
33	33 Amp	62	62 Amp
34	34 Amp	67	67 Amp
35	35 Amp	68	68 Amp
37	37 Amp	69	69 Amp
38	38 Amp	74	74 Amp
39	39 Amp	76	76 Amp
42	42 Amp	77	77 Amp
47	47 Amp	78	78 Amp
49	49 Amp	85	85 Amp
51	51 Amp	86	86 Amp
54	54 Amp	89	89 Amp
55	55 Amp	93	93 Amp
59	59 Amp	97	97 Amp

c (cont'd)

Drive Current Rating

Code	Description	Code	Description
99	99 Amp	139	139 Amp
100	100 Amp	145	145 Amp
103	103 Amp	148	148 Amp
106	106 Amp	153	153 Amp
108	108 Amp	155	155 Amp
110	110 Amp	159	159 Amp
111	111 Amp	170	170 Amp
116	116 Amp	171	171 Amp
119	119 Amp	174	174 Amp
123	123 Amp	178	178 Amp
124	124 Amp	182	182 Amp
126	126 Amp	184	184 Amp
128	128 Amp	187	187 Amp
134	134 Amp	191	191 Amp
135	135 Amp	193	193 Amp
137	137 Amp	200	200 Amp

d

Enclosure Type

Code	Description
D	IP21 (NEMA Type 1 with gasketing)

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1
2
3
4
5
6
7
8
9
10
6000U – **A** **97** **D** **E** **AJ** – **6** **E** **HE** – **1...etc.**
a *b* *c* *d* *e* *f* *g* *h* *i* *j*

e

Nominal Line Voltage ⁽¹⁾	
Code	Description
A	2400V
E	4160V
J	6600V
K	6900V

(1) Other Nominal Line Voltage Configurations can be supplied up to 13.8 kV (Contact Factory).

f

Control Voltage	
Code	Description
AJ	120V
AP	240V

g

Line Frequency	
Code	Description
6	60 Hz

h

Motor Voltage ^{(1) (2)}	
Code	Description
A	2400V
E	4160V
F	6000V
H	6300V
J	6600V

(1) 6600V is the maximum Motor Voltage supported in the UL rated version.

(2) Standard Nominal Line: Motor Voltage Configurations supported are:

- 2400V: 2300V/2400V
- 4160V: 4000V/4160V
- 6600V: 6000V or 6300V or 6600V
- 6900V: 6000V or 6300V or 6600V

Other Nominal Line/Motor Voltage Configurations can be supplied (Contact Factory).

i

Transformer Efficiency	
Code	Description
HE	High Efficiency
SE	Standard Efficiency

j

Options
Refer to PowerFlex 6000 Medium Voltage Drives Options List.

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