



KBDF Digital Drive – IP 20

The KBDF Series of Adjustable Frequency Drives consist of fourteen inverter models rated for 1/8 to 5 horsepower motors. These drives are housed in IP 20 enclosures. They are ideal for OEM applications where digital programming and displays are required. All models are available with a built-in CE approved AC Line Class “A” Industrial Standard RFI (EMI) Filter¹.

Options: Memory Module, IODF Input/Output Multi-Function Expansion Module, Drive-Link™ Programming Kit and Modbus Serial Communication Module.

Maximum HP		AC Line Voltage (50/60 Hz)	Phase (Ø)	Model Number	Part No.	Max. AC Line Current (Amps AC)	Voltage Range (Volts AC)	Max. Load Current (Amps/Phase)	Net Weight		Dim. Ref. Code
HP	kW								Lbs.	kg	
1/2	0.37	115	1	KBDF-13	9623	9.6	0 – 208/230	2.4	2.8	1.27	K
1	0.75	115	1	KBDF-14	9624	16	0 – 208/230	4	2.8	1.27	
1½	1.13	115	1	KBDF-16	9625	22	0 – 208/230	5.5	2.8	1.27	
1/2	0.37	208/230	1	KBDF-23 ¹	9688	6	0 – 208/230	2.4	2.8	1.27	
1	0.75	208/230	1	KBDF-24 ¹	9689	10	0 – 208/230	4	2.8	1.27	
2	1.5	208/230	1	KBDF-27 ¹	9690	17	0 – 208/230	6.7	2.8	1.27	
3	2.25	208/230	1	KBDF-29 (1P)	9700	22	0 – 208/230	9	4.2	1.93	L
1/2	0.37	115	1	KBDF-23D	9673	9.6	0 – 208/230	2.4	2.8	1.27	K
		208/230				6					
1	0.75	115	1	KBDF-24D	9674	16	0 – 208/230	4	2.8	1.27	
		208/230				10					
1½	1.13	115	1	KBDF-27D	9675	22	0 – 208/230	5.5	2.8	1.27	
2	1.5	208/230				17		6.7			
2	1.5	208/230	1	KBDF-29 ¹	9641	12	0 – 208/230	9	4.2	1.93	
3	2.25		3								
1	0.75	400/460	3	KBDF-42 ¹	9642	2.6	0 – 400/460	2	4.2	1.93	L
3	2.25	400/460	3	KBDF-45 ¹	9643	7.2	0 – 400/460	5.5	4.2	1.93	
5	3.75	400/460	3	KBDF-48 ¹	9644	10.8	0 – 400/460	8.3	4.2	1.93	

1. Add “F” Suffix to Model Number for Built-In Class “A” (CE) RFI (EMI) AC Line Filter. Ex. KBDF-24F.



KBWA Hybrid Drive™ – NEMA 1 Enclosures*

The KBWA Series of Adjustable Frequency Drives consist of two inverter models rated for 1/8 to 1/2 horsepower** motors. These drives are housed in NEMA 1 enclosures*. Both models contain an On/Off AC Line Switch and a Main Speed Potentiometer. Hybrid drives are a digital drive with an analog interface.

Option: Supplied Forward-Stop-Reverse Switch.

Maximum HP		AC Line Voltage (50/60 Hz)	Phase (Ø)	Model Number	Part No.	Max. AC Line Current (Amps AC)	Voltage Range (Volts AC)	Max. Load Current (Amps/Phase)	Net Weight		Dim. Ref. Code
HP	kW								Lbs.	kg	
1/4	0.19	115	1	KBWA-22D	9926	5.2	0 – 208/230	1.3	1.58	0.72	M
		208/230				3.8		1.5			
1/2	0.37	115	1	KBWA-23D	9946	8.8	0 – 208/230	2.2	1.58	0.72	M
		208/230				6		2.4			

* Model KBWA-22D (IP 50), model KBWA-23D (IP 20). **Lower horsepower models available (KBWA-21D, 2P3D, 2P6D).

Dimensions (W x L x D)

Ref. Code	Inches	Millimeters
A	5.51 x 9.53 x 5.86	140 x 242 x 149
B	7.55 x 9.80 x 7.25	192 x 249 x 184
C	4.95 x 7 x 4.15	126 x 178 x 105
D	3.9 x 4.3 x 2.75	99 x 109 x 70
E	4.7 x 4.3 x 5	119 x 109 x 127

Ref. Code	Inches	Millimeters
F	3.9 x 4.3 x 2	99 x 109 x 51
G	4.7 x 5.7 x 4.5	119 x 145 x 114
H	4.7 x 7.5 x 4.45	119 x 191 x 113
I	4.1 x 9.31 x 2.75	103 x 236 x 70
J	4.7 x 8.75 x 4.45	119 x 222 x 113

Ref. Code	Inches	Millimeters
K	3.4 x 7.25 x 5.1	86.4 x 184 x 130
L	4.4 x 7.8 x 6.1	112 x 199 x 155
M	3.92 x 6.06 x 3.65	102 x 154 x 92.7

Represented by:



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