

HYBRID DRIVES - NEMA 1 / IP20 & IP50

The US Motors brand of Hybrid drives are a member of the ACCU-SERIES family of variable speed products. US Motors Hybrid drives are digital drives with an analog interface that makes them easy to install and simple to operate. They typically do not require programming or commissioning. Proprietary overload protection prevents motor burnout and eliminates nuisance tripping. The Hybrid drives are available in several enclosure types: Chassis / IP20, NEMA 1 / IP20 & IP50 and NEMA 4X / IP65. The NEMA 4X / IP65 drives are housed in rugged die-cast aluminum enclosures with hinged cover.

Voltage and Power Range:

- 1-Phase, 115 VAC Input
3-Phase, 0 - 208/230 VAC Output
0.25 - 1 HP
- 1-Phase, 208/230 VAC Input
3-Phase, 0 - 208/230 VAC Output
0.25 - 1 HP



USWA Hybrid Drive™ – NEMA 1 Enclosures*

The USWA Series of Adjustable Frequency Drives consist of two inverter models rated for 1/4 to 1/2 horsepower** motors. These drives are housed in NEMA 1 enclosures*. Both models Hybrid contain an On/Off AC Line Switch and a Main Speed Potentiometer. Hybrid drives are digital drives with an analog interface.

Option: Supplied Forward-Stop-Reverse Switch

NEMA 1, 1-Phase Input, 3-Phase Output*

Motor Voltage	Nominal Motor HP	AC Line Voltage (50/60 Hz)	Max. Load Current (Amps/Phase)	Catalog Number	Voltage Range (Volts AC)	Dimensions (in) W x L x D	Approx. Weight (lbs)
208-240 VAC	0.25	115	1.3	USWA22D	0-208/230	3.92 x 6.06 x 3.65	1.58
		208/230	1.5				
	0.5	115	2.2	USWA23D	0-208/230	3.92 x 6.06 x 3.65	1.58
		208/230	2.4				

* Catalog Numbers USWA-22D (IP50), Catalog Numbers USWA-23D (IP20). **Lower horsepower drives available (USWA-21D, 2P3D, 2P6D).



USMA Hybrid Drive™ – NEMA 1 / IP50

The USMA Series of Adjustable Frequency Drives consist of two inverter models rated for 1/8 to 1 horsepower motors. These drives are housed in NEMA 1 / IP50 aluminum enclosures. The USMA-24DF contains a built-in CE approved AC Line Class "A" Standard RFI (EMI) Filter.

Option: Supplied Forward-Stop-Reverse Switch

NEMA 1, 1-Phase Input, 3-Phase Output

Motor Voltage	Nominal Motor HP	AC Line Voltage (50/60 Hz)	Max. Load Current (Amps/Phase)	Catalog Number	Voltage Range (Volts AC)	Dimensions (in) W x L x D	Approx. Weight (lbs)
208/230 VAC	1	115	3.6	USMA24D	0-208/230	4.95 x 7 x 4.15	2.42
		208/230					
		115	3.6	USMA24DF	0-208/230	4.95 x 7 x 4.15	2.42
		208/230					



Option List Prices: Add electronics drive and required option list prices, then use applicable multiplier to calculate net price.

Options	Catalog Number
USWA Replacement FSR Switch Kit	USWAFSRS
USWA Replacement On/Off AC Line Switch Kit	USWAWKOOS
USMA Forward/Stop/Reverse Switch Kit	USMAFSRS