

## USAD DIGITAL DRIVES - NEMA 4X / IP65

The USAD Digital drives are a member of the ACCU-SERIES family of variable speed products. The USAD Series of Digital Adjustable Frequency Drives consist of fourteen inverter models rated for 1-5 horsepower motors. These drives are housed in heavy duty NEMA 4X / IP65 die-cast aluminum washdown/watertight enclosures for indoor or outdoor use.

### Voltage and Power Range:

- 1-Phase, 115 VAC Input  
3-Phase, 0 - 208/230 VAC Output  
0.5 - 1.5 HP
- 1-Phase, 208/230 VAC Input  
3-Phase, 0 - 208/230 VAC Output  
0.5 - 2.0 HP
- 3-Phase, 208/230 VAC Input  
3-Phase, 0 - 208/230 VAC Output  
3 - 5 HP
- 3-Phase, 400/460 VAC Input  
3-Phase, 0 - 400/460 VAC Output  
1 - 5 HP



### NEMA 4X / IP65, 1-Phase and 3-Phase Input, 3-Phase Output

Motor Voltage	Nominal Motor HP	AC Line Voltage (50/60 Hz)	Max. Load Current (Amps/Phase)	Phase (Ø) Input	Catalog Number	Voltage Range (Volts AC)	Dimensions (in) HxWxD	Approx. Weight (lbs)		Discount Symbol	
115-208/230 VAC	1	115	3.6	1	USAD24P	115-230	9.5x5.5x5.9	6.2		DS-5EV	
		208/230									
	1	115	3.6	1	USAD24PW*	115-230	9.5x5.5x5.9	6.2		DS-5EV	
		208/230									
		1.5	115	5.5	1	USAD27D	0-208/230	9.8 x 7.55 x 7.25	13		DS-5EV
		2	208/230	6.7							
1.5		115	5.5	1		USAD27DW*	0-208/230	9.8 x 7.55 x 7.25	13		DS-5EV
2		208/230	6.7								
208/230 VAC	3	208/230	9.0	1	USAD291P	0-208/230	9.8 x 7.55 x 7.25	12		DS-5EV	
	3	208/230	9.0	1	USAD291PW*	0-208/230	9.8 x 7.55 x 7.25	12		DS-5EV	
	2	208/230	6.7	1	USAD29	0-208/230	9.8 x 7.55 x 7.25	13		DS-5EV	
	3		9.0	3							
	2	208/230	6.7	1	USAD29W*	0-208/230	9.8 x 7.55 x 7.25	13		DS-5EV	
	3		9.0	3							

\*FDA approved finish (white cases only).

### NEMA 4X / IP65, 3-Phase Input, 3-Phase Output

Motor Voltage	Nominal Motor HP	AC Line Voltage (50/60 Hz)	Max. Load Current (Amps/Phase)	Phase (Ø) Input	Catalog Number	Voltage Range (Volts AC)	Dimensions (in) HxWxD	Approx. Weight (lbs)		Discount Symbol
400/460 VAC	1	400/460	2.0	3	USAD42	0-400/460**	9.53 x 5.51 x 5.86	5.9		DS-5EV
	1	400/460	2.0	3	USAD42W*	0-400/460**	9.53 x 5.51 x 5.86	5.9		DS-5EV
	3	400/460	5.5	3	USAD45	0-400/460**	9.8 x 7.55 x 7.25	13		DS-5EV
	3	400/460	5.5	3	USAD45W*	0-400/460**	9.8 x 7.55 x 7.25	13		DS-5EV
	5	400/460	8.3	3	USAD48	0-400/460**	9.8 x 7.55 x 7.25	13		DS-5EV
	5	400/460	8.3	3	USAD48W*	0-400/460**	9.8 x 7.55 x 7.25	13		DS-5EV

\*FDA approved finish (white cases only).

\*\*400/460 VAC models are 0-400 Volts AC for 50 Hz motor operation and 0-460 Volts AC for 60 Hz motor operation.