

# Low Voltage Drives

## AS3 UL Type 12/IP55 ASD

### Specifications

Toshiba's AS3 UL Type 12/IP55 adjustable speed drive is designed to withstand harsh environments and features built-in communications, allowing end-users to access real-time data and refined controls to maximize system performance.

#### Product Scope

- 1/2 to 100 HP (Heavy Duty)
- 1 to 125 HP (Normal Duty)
- 460 V
- Three-Phase Power

#### Highlights

- Type 12/IP55 Rated Enclosure
- Dual Rated Capacity
- 150% Overload for 60 Seconds (Heavy Duty)
- 120% Overload for 60 Seconds (Normal Duty)
- Built-in Dual Port Ethernet IP Communications
- Advanced IP65 Rated Full English Display LCD Keypad
- Permanent Magnet Motor Control
- Advanced Pump Control

#### Standard Features

- Ambient Temperature: 5° to 122°F (-15° to +50°C)  
(Derate Above 104°F or 40°C)
- Altitude: Up to 1000 Meters Without Derate
- Humidity: 95% Non-Condensing
- Advanced LCD Keypad with Capacitive Touch Wheel for Navigating and Programming
- Save, Restore & Clone Multiple Drive Settings
- Real Time Clock for Past Trip Monitoring or Calendar Functionality
- All Models Include a Built in Dynamic Braking Circuit
- All Models Include DC Link Reactor



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## 460 V Power Unit

### Pricing & Dimensions



VAC	HP (HD)	FLA (HD)	Model Number	Frame	H	W	D	Shipping Weight (lbs.)
					Dimensions (in.)			
<b>Heavy Duty - 150% current overload for 60 seconds</b> (Primarily used for constant torque applications. Examples are conveyors, crushers, extruders and mixers)								
460	0.5	1.5	VFAS3-4004PCE	A1E	29.3	9.9	10.7	30
460	1	2.2	VFAS3-4007PCE	A1E	29.3	9.9	10.7	30
460	2	4.0	VFAS3-4015PCE	A1E	29.3	9.9	10.7	30
460	3	5.6	VFAS3-4022PCE	A1E	29.3	9.9	10.7	30
460	5	9.3	VFAS3-4037PCE	A1E	29.3	9.9	10.7	30
460	7.5	12.7	VFAS3-4055PCE	A2E	29.3	9.9	11.9	38
460	10	16.5	VFAS3-4075PCE	A2E	29.3	9.9	11.9	38
460	15	23.5	VFAS3-4110PCE	A3E	29.3	9.9	11.9	48
460	20	31.7	VFAS3-4150PCE	A3E	29.3	9.9	11.9	48
460	25	39.2	VFAS3-4185PCE	A3E	29.3	9.9	11.9	48
460	30	46.3	VFAS3-4220PCE	A4E	40.0	11.5	13.4	115
460	40	61.5	VFAS3-4300PCE	A4E	40.0	11.5	13.4	115
460	50	74.5	VFAS3-4370PCE	A4E	40.0	11.5	13.4	115
460	60	88.0	VFAS3-4450PCE	A5E	53.5	13.6	14.8	200
460	75	106	VFAS3-4550PCE	A5E	53.5	13.6	14.8	200
460	100	145	VFAS3-4750PCE	A5E	53.5	13.6	14.8	200

VAC	HP (ND)	FLA (ND)	Model Number	Frame	H	W	D	Shipping Weight (lbs.)
					Dimensions (in.)			
<b>Normal Duty - 120% current overload for 60 seconds</b> (Primarily used for variable torque applications. Examples are fans, centrifugal pumps and blowers)								
460	1	2.2	VFAS3-4004PCE	A1E	29.3	9.9	10.7	30
460	2	4.0	VFAS3-4007PCE	A1E	29.3	9.9	10.7	30
460	3	5.6	VFAS3-4015PCE	A1E	29.3	9.9	10.7	30
460	5	9.3	VFAS3-4022PCE	A1E	29.3	9.9	10.7	30
460	7.5	12.7	VFAS3-4037PCE	A1E	29.3	9.9	10.7	30
460	10	16.5	VFAS3-4055PCE	A2E	29.3	9.9	11.9	38
460	15	23.5	VFAS3-4075PCE	A2E	29.3	9.9	11.9	38
460	20	31.7	VFAS3-4110PCE	A3E	29.3	9.9	11.9	48
460	25	39.2	VFAS3-4150PCE	A3E	29.3	9.9	11.9	48
460	30	46.3	VFAS3-4185PCE	A3E	29.3	9.9	11.9	48
460	40	61.5	VFAS3-4220PCE	A4E	40.0	11.5	13.4	115
460	50	74.5	VFAS3-4300PCE	A4E	40.0	11.5	13.4	115
460	60	88.0	VFAS3-4370PCE	A4E	40.0	11.5	13.4	115
460	75	106	VFAS3-4450PCE	A5E	53.5	13.6	14.8	200
460	100	145	VFAS3-4550PCE	A5E	53.5	13.6	14.8	200
460	125	173	VFAS3-4750PCE	A5E	53.5	13.6	14.8	200