

L510

Advanced Micro Drive



1/4-1 hp (115V) • 1/4-3 hp (230V) • 1-3 hp (460V)

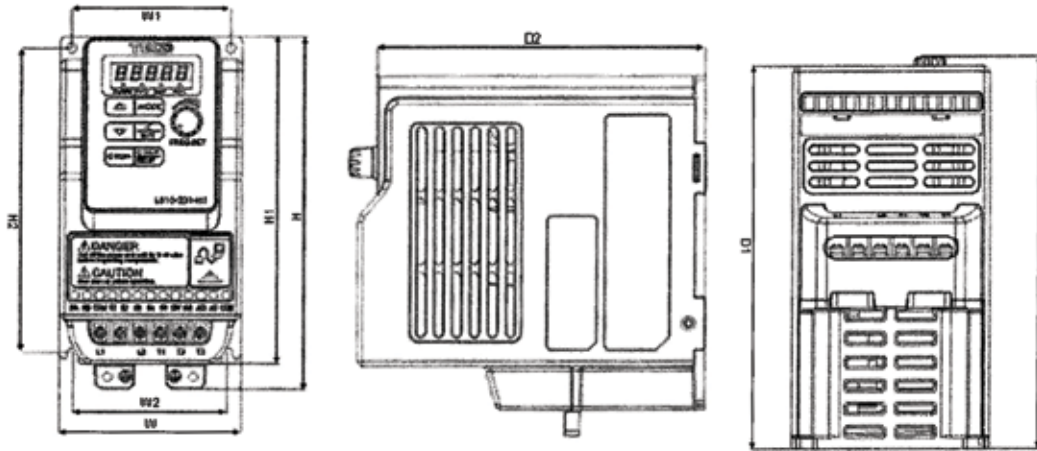
Features & Highlights

- Compact Design: the L510 has a small footprint and accomodates DIN rail mounting as an option
- Simple to program with parameters grouped by function type and purpose
- 150% overload
- 0-650 Hz
- Speed pot standard for all ratings
- High speed response utilizing a 32-bit CPU design
- V/F control, auto-torque boost or sensorless vector
- Leakage current prevention via capacitor switch
- Digital Operator: 5 digit bright LED readout
- Diagnostics and parameter configurations
- Power loss ride-through
- TECO-Link configuration software for on-line monitoring, programming, and operation via built-in RS485
- UL, cUL Listed, CE Marked

Machine & Industry Applications

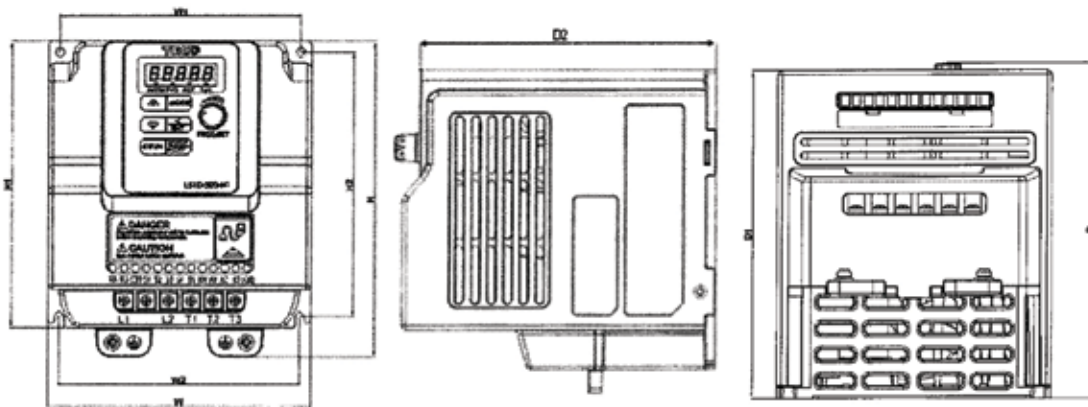
- Conveyors
- Pumps
- Exhaust Fans
- Mixers
- Treadmills
- Packaging
- HVAC
- Food and Beverage
- Machining/ Tooling
- Converting fixed speed motors to variable speed

Dimensional Diagrams



Units: inches (mm)

Model	W	W1	W2	H	H1	H2	D	D1	Weight
L510-1P2-H1-N	2.83 (72)	2.48 (63)	2.40 (61)	5.55 (141)	5.16 (131)	4.80 (122)	5.48 (139.2)	5.35 (136)	2.0lbs (0.9kg)
L510-1P5-H1-N									
L510-2P2-H1-N									
L510-2P5-H1-N									
L510-201-H1-N									
L510-2P5-H3-N									
L510-201-H3-N									



Units: inches (mm)

Model	W	W1	W2	H	H1	H2	D	D1	Weight
L510-101-H1-N	4.65 (118)	4.25 (108)	4.25 (108)	5.67 (144)	5.16 (131)	4.76 (121)	5.80 (147.3)	5.68 (144.2)	3.52lbs (1.6kg)
L510-202-H1-N									
L510-203-H1-N									
L510-202-H3-N									
L510-203-H3-N									
L510-401-H3-N									
L510-402-H3-N									
L510-403-H3-N									

Models & Product Specifications - Cont.

230V Class; Single-Phase Input

Model L510-XXX-H1-N	2P2	2P5	201	202	203
Horsepower (hp)	0.25	0.50	1.00	2.00	3.00
Motor Capacity (kW)	0.20	0.40	0.75	1.50	2.20
Rated Output Current (A)	1.80	2.60	4.30	7.50	10.50
Rated Capacity (KVA)	0.68	1.00	1.65	2.90	4.00
Input Voltage Range (V)	Single-Phase 200–240V, 50/ 60Hz				
Allowable Voltage Fluctuation	+10%–15%				
Output Voltage Range (V)	Three-Phase 0–240V				
Input Current (A)	4.90	7.20	11.00	15.50	21.00
Allowable Momentary Power Loss Time (S)	1.00	1.00	1.00	2.00	2.00
Enclosure	IP20				

230V Class; Three-Phase Input

Model L510-XXX-H3-N	2P5	201	202	203
Horsepower (hp)	0.50	1.00	2.00	3.00
Motor Capacity (kW)	0.40	0.75	1.50	2.20
Rated Output Current (A)	2.60	4.30	7.50	10.50
Rated Capacity (KVA)	1.00	1.65	2.90	4.00
Input Voltage Range (V)	Three-Phase 200–240V, 50/ 60Hz			
Allowable Voltage Fluctuation	+10%–15%			
Output Voltage Range (V)	Three-Phase 0–240V			
Input Current (A)	4.00	6.40	9.40	12.20
Allowable Momentary Power Loss Time (S)	1.00	1.00	2.00	2.00
Enclosure	IP20			

460V Class; Three-Phase Input

Model L510-XXX-H3-N	401	402	403
Horsepower (hp)	1.00	2.00	3.00
Motor Capacity (kW)	0.75	1.50	2.20
Rated Output Current (A)	2.30	3.80	5.20
Rated Capacity (KVA)	1.70	2.90	4.00
Input Voltage Range (V)	Three-Phase 380–480V, 50/ 60Hz		
Allowable Voltage Fluctuation	+10%–15%		
Output Voltage Range (V)	Three-Phase 0–480V		
Input Current (A)	4.20	5.60	7.30
Allowable Momentary Power Loss Time (S)	2.00	2.00	2.00
Enclosure	IP20		