Catalog Number Explanation

Kinetix 5500 drive catalog numbers and performance descriptions.

Table 2 - Kinetix 5500 Drive Catalog Numbers

Kinetix 5500 Drive Cat. No.	Frame Size	Input Voltage	Continuous Output Power kW	Continuous Output Current A 0-pk
2198-H003-ERS	1	195…264V rms, single-phase 195…264V rms, three-phase 324…528V rms, three-phase	0.2 kW 0.3 kW 0.6 kW	1.4
2198-H008-ERS			0.5 kW 0.8 kW 1.6 kW	3.5
2198-H015-ERS	2		1.0 kW 1.5 KW 3.2 kW	7.1
2198-H025-ERS		195…264V rms, three-phase 324…528V rms, three-phase	2.4 kW 5.1 kW	11.3
2198-H040-ERS			4.0 kW 8.3 kW	18.4
2198-H070-ERS	3		7.0 kW 14.6 kW	32.5

Table 3 - Drive Components Catalog Numbers

Capacitor Module Cat. No.	Frame Size	Rated Voltage	Capacitance
2198-CAPMOD-1300	2	650V DC, nom	1360 µF, min

Table 4 - Shared-bus Connector Kit Catalog Numbers

Shared-bus Connector Kits Cat. No.	Frame Size	Application	Description
2198-H040-ADP-IN	1 or 2	First drive	• Mains AC input wiring connector • 24V DC input wiring connector • DC bus T connector
2198-H040-A-T	Next drive is frame 1 or 2	AC sharing only	AC bus T connector
2198-H040-D-T		DC sharing only	DC bus T connector
2198-H040-P-T		Control power sharing only	Control power T connector
2198-H040-AD-T		AC and DC bus sharing	AC and DC bus T connectors
2198-H040-AP-T		AC and control power sharing	AC and control power T connectors
2198-H040-DP-T		DC and control power sharing	DC and control power T connectors
2198-H040-ADP-T		AC, DC, and control power sharing	AC, DC, and control power T connectors
2198-H070-ADP-IN	3	First drive	• Mains AC input wiring connector • 24V DC input wiring connector • DC bus T connector
2198-H070-A-T	Next drive is frame 3	AC sharing only	AC bus T connector
2198-H070-D-T		DC sharing only	DC bus T connector
2198-H070-P-T		Control power sharing only	Control power T connector
2198-H070-AD-T		AC and DC bus sharing	AC and DC bus T connectors
2198-H070-AP-T		AC and control power sharing	AC and control power T connectors
2198-H070-DP-T		DC and control power sharing	DC and control power T connectors
2198-H070-ADP-T		AC, DC, and control power sharing	AC, DC, and control power T connectors

Table 11 - Power Dissipation Specifications

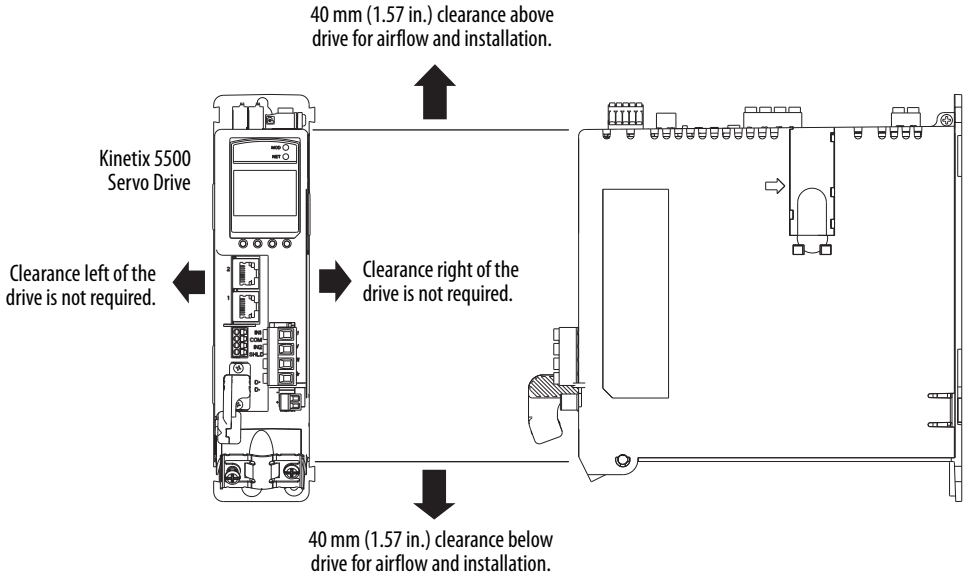
Kinetix 5500 Drive Cat. No.	Frame Size	Usage as % of Rated Power Output (watts)				
		20%	40%	60%	80%	100%
2198-H003-ERS	1	12	25	37	50	62
2198-H008-ERS						
2198-H015-ERS	2	40	80	120	160	200
2198-H025-ERS						
2198-H040-ERS						
2198-H070-ERS	3	64	128	192	256	320

Minimum Clearance Requirements

This section provides information to assist you in sizing your cabinet and positioning your Kinetix 5500 drive:

- Additional clearance is required for cables and wires or the shared-bus connection system connected to the top of the drive.
- Additional clearance is required if other devices are installed above and/or below the drive and have clearance requirements of their own.
- Additional clearance left and right of the drive is required when mounted adjacent to noise sensitive equipment or clean wire ways.
- The recommended minimum cabinet depth is 300 mm (11.81 in.).

Figure 9 - Minimum Clearance Requirements



IMPORTANT Mount the drive in an upright position as shown. Do not mount the drive on its side.

Wire the Input Power Connector

The input power (IPD) connector requires 195...528V AC (single-phase or three-phase) for mains input power.

ATTENTION: Make sure the input power connections are correct when wiring the IPD connector plug and that the plug is fully engaged in the drive connector. Incorrect wiring/polarity or loose wiring can cause explosion or damage to equipment.

Figure 39 - IPD Connector Wiring

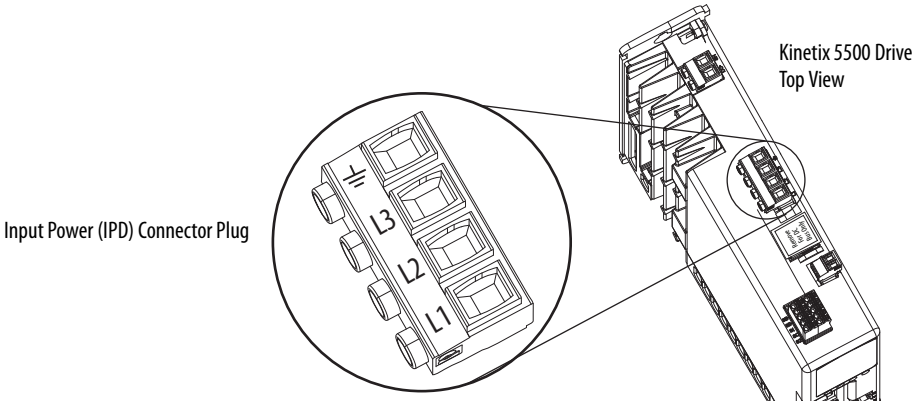


Table 29 - Input Power (IPD) Connector Specifications

Kinetix 5500 Drive Cat. No.	Pin	Signal	Recommended Wire Size mm^2 (AWG)	Strip Length mm (in.)	Torque Value N•m (lb•in)
2198-H003-ERS 2198-H008-ERS 2198-H015-ERS 2198-H025-ERS 2198-H040-ERS	⏚ L3 L2 L1	⏚ L3 L2 L1	1.5…4 (16…12)	8.0 (0.31)	0.5…0.6 (4.4…5.3)
2198-H070-ERS			1.5…6 (16…10)		

Wiring the Digital Input and Motor Cable Connectors

This section provides guidelines to assist you in making digital input connections and motor power, brake, and feedback connections.

Wire the Safe Torque-off Connector

For the safe torque-off (STO) connector pinouts, feature descriptions, and wiring information, refer to Chapter 9 beginning on page 131.