



Series 15J/P Catalog Numbers and Ratings

Hp	kW	Rated Input Voltage	Rated Output Voltage	Output Current			Catalog Number	
				Continuous	60 Sec. Overload	2 Sec. Overload	Series 15J	Series 15P
0.33	0.25	115	230	1.6	2.4	3.2	ID15J1F33-ER	ID15P1F33-ER
0.5	0.37	115	230	2.3	3.4	4.6	ID15J1F50-ER	ID15P1F50-ER
0.75	0.56	115	230	3.2	4.8	6.4	ID15J1F75-ER	ID15P1F75-ER
1	0.75	115	230	4.2	6.3	8.4	ID15J101-ER	ID15P101-ER
1	0.75	230	230	4.2	6.3	8.4	ID15J201-ER	ID15P201-ER
1.5	1.1	230	230	6.0	9.0	12.0	ID15J201F5-ER	ID15P201F5-ER
2	1.5	230	230	6.8	10.2	13.4	ID15J202-ER	ID15P202-ER
3	2.2	230	230	9.6	14.4	19.2	ID15J203-ER	ID15P203-ER
5	3.7	230	230	15.2	22.8	30.4	ID15J205-ER	ID15P205-ER
1	0.75	460	460	2.1	3.2	4.2	ID15J401-ER	ID15P401-ER
1.5	1.1	460	460	3.0	4.5	6.0	ID15J401F5-ER	ID15P401F5-ER
2	1.5	460	460	3.4	5.1	6.8	ID15J402-ER	ID15P402-ER
3	2.2	460	460	4.8	7.2	9.6	ID15J403-ER	ID15P403-ER
5	3.7	460	460	7.6	11.4	15.2	ID15J405-ER	ID15P405-ER
7.5	5.6	460	460	11.0	16.5	22.0	ID15J407-ER	ID15P407-ER

Series 15J Mini Inverters

Big inverter features do come in small packages! Take a look at Baldor's Series 15J Inverter control. Designed to save cabinet space without giving up the features available on larger controls, the Series 15J delivers what you've come to expect from Baldor. Friendly operator control via the onboard (or remote mount) text display keeps you up to date on motor and control functions. Just like its larger brother, the Series 15J uses the same alpha numeric keypad display as seen on the popular H family of products. Many of the same features are available too; multiple preset speeds, JOG speed, dynamic and DC injection braking, built-in PID process control loop, just to name a few.

Are you ready to move into something smaller? Combine a Series 15J inverter with a reliable Baldor motor and let us help you increase your productivity.



Now available in sizes up to 7.5 Hp!

Design Specifications

- Dual Microprocessor controlled PWM output
- Free run or ramp stop
- Controlled reversing
- Selectable Preset Speeds
- Dynamic braking
- DC Injection braking
- Analog meter output
- Relay contact output
- Two Analog Inputs
- Process control (PID)

Operator Keypad

- Digital Speed Control
- Forward/Reverse Command
- Stop Command
- Jog Command
- Parameter setting and display
- Display 2 lines by 16 character Alpha numeric text
- Membrane keys with tactile feel
- Optional remote mount keypad

Environmental and Operating Conditions

- Input Voltage –
1 Phase 107-118 VAC +/-10%,
3 Phase 200-240 VAC +/-10%,
3 Phase 380-480 VAC +/-10%
- Input Frequency-50 or 60 HZ +/-10%
- Service Factor - 1.0
- Duty - Continuous
- Humidity - 90% max non-condensing
- Altitude-3300 ft. max without derate
- NEMA 1 enclosure as standard

Series 15J Specifications

Output Ratings	Overload Capacity	150% for 60 Seconds 200% for 2 Seconds		
	Frequency	0 - 120 Hertz		
	Voltage – 3 Phase	0 - Maximum Input Voltage (RMS)		
Input Ratings	Frequency	50 or 60 Hertz		
	Voltage	96 - 130 VAC	180 - 264 VAC	340 - 528 VAC
	Phase	Single Phase	Three Phase or Single Phase with derate	
Control Specifications	Control Method	Sinewave carrier input, PWM output		
	PWM Frequency	Rated @ 7.5 kHz; Adjustable 2.5 - 7.5 kHz		
	V/Hz Ratio	Linear to Squared Reduced		
	Torque Boost	0-15%, Adjustable		
	Brake Torque	Up to 60%, external resistor required		
	Frequency Setting	0-5VDC, 0-10VDC, 0-20mA, 4-20mA, Digital via Keypad		
Protective Functions	Accel/Decel	Separate Accel/Decel Rates 0-600 Sec		
	Inverter Trip	Over Voltage, Over Current, Under Voltage, External Trip, Heatsink Thermal, Motor Overload		
	External Output	NO and NC Relay and LED indicator for trip		
Ambient Conditions	Short Circuit	Output phase to ground and phase to phase		
	Temperature	0-40 deg C , Derate for up to 55 deg C		
	Cooling	Forced air included when required		