

Hitachi Drives Cross References

To find a suitable replacement for an L100 or SJ100 Hitachi drive, use the chart to the right to determine control mode(s) required, and the tables below to determine possible replacement part numbers. Suggested replacements do not necessarily have all control modes of the original, so appropriate drives will be application-dependent. Please call Tech Support if there are any replacement questions.

| Drive Series | Volts/Hz | PID | Sensorless Vector | Full Flux Vector |
|--------------|----------|-----|-------------------|------------------|
| L100 | ✓ | ✓ | | |
| SJ100 | ✓ | ✓ | ✓ | |
| GS1 | ✓ | | | |
| GS2 | ✓ | ✓ | | |
| DuraPulse | ✓ | ✓ | ✓ | |
| SJ300 | ✓ | ✓ | ✓ | ✓ |

Hitachi L100 Cross Reference

| Hitachi L100 AC Drives | | Possible Replacements | | | | |
|------------------------|-------------|-----------------------|------------|-------------|---------------|-----------------|
| | Part No. | Horsepower | GS1 | GS2 | DuraPulse | SJ300 |
| 230V | L100-002NFU | 0.25 hp | GS1-20P2 | GS2-20P5 ** | GS3-21P0 * ** | SJ300-004LFU ** |
| | L100-004NFU | 0.5 hp | GS1-20P5 | GS2-20P5 | GS3-21P0 * ** | SJ300-004LFU |
| | L100-007NFU | 1.0 hp | GS1-21P0 | GS2-21P0 | GS3-21P0 * | SJ300-007LFU |
| | L100-015NFU | 2.0 hp | GS1-22P0 * | GS2-22P0 | GS3-22P0 * | SJ300-015LFU |
| | L100-022NFU | 3.0 hp | | GS2-23P0 | GS3-23P0 * | SJ300-022LFU |
| | L100-037LFU | 5.0 hp | | GS2-25P0 | GS3-25P0 | SJ300-037LFU |
| | L100-055LFU | 7.5 hp | | GS2-27P5 | GS3-27P5 | SJ300-055LFU |
| | L100-075LFU | 10 hp | | | GS3-2010 | SJ300-075LFU |
| 460V | L100-004HFU | 0.5 hp | | GS2-41P0 ** | GS3-41P0 ** | SJ300-007HFU ** |
| | L100-007HFU | 1.0 hp | | GS2-41P0 | GS3-41P0 | SJ300-007HFU |
| | L100-015HFU | 2.0 hp | | GS2-42P0 | GS3-42P0 | SJ300-015HFU |
| | L100-022HFU | 3.0 hp | | GS2-43P0 | GS3-43P0 | SJ300-022HFU |
| | L100-040HFU | 5.0 hp | | GS2-45P0 | GS3-45P0 | SJ300-040HFU |
| | L100-055HFU | 7.5 hp | | GS2-47P5 | GS3-47P5 | SJ300-055HFU |
| | L100-075HFU | 10 hp | | GS2-4010 | GS3-4010 | SJ300-075HFU |

Notes: Replacement drives do not necessarily have the same physical dimensions, mounting hole patterns or wiring terminal arrangements.

* = Replacement drive requires 3-phase input power. Ensure the existing application uses 3-phase input power, or that 3-phase power is available.

** = Replacement drive is higher horsepower than existing drive. Output power of new drive can be parameter-limited to the smaller horsepower.

Hitachi SJ100 Cross Reference

| Hitachi SJ100 AC Drives | | Possible Replacements | | | | |
|-------------------------|--------------|-----------------------|----------|-------------|---------------|-----------------|
| | Part No. | Horsepower | GS1 | GS2 | DuraPulse | SJ300 |
| 230V | SJ100-002NFU | 0.25 hp | GS1-20P2 | GS2-20P5 ** | GS3-21P0 * ** | SJ300-004LFU ** |
| | SJ100-004NFU | 0.5 hp | GS1-20P5 | GS2-20P5 | GS3-21P0 * ** | SJ300-004LFU |
| | SJ100-007NFU | 1.0 hp | GS1-21P0 | GS2-21P0 | GS3-21P0 * | SJ300-007LFU |
| | SJ100-015NFU | 2.0 hp | GS1-22P0 | GS2-22P0 | GS3-22P0 * | SJ300-015LFU |
| | SJ100-022NFU | 3.0 hp | | GS2-23P0 | GS3-23P0 * | SJ300-022LFU |
| | SJ100-037LFU | 5.0 hp | | GS2-25P0 | GS3-25P0 | SJ300-037LFU |
| | SJ100-055LFU | 7.5 hp | | GS2-27P5 | GS3-27P5 | SJ300-055LFU |
| | SJ100-075LFU | 10 hp | | | GS3-2010 | SJ300-075LFU |
| 460V | SJ100-004HFU | 0.5 hp | | GS2-41P0 ** | GS3-41P0** | SJ300-007HFU ** |
| | SJ100-007HFU | 1.0 hp | | GS2-41P0 | GS3-41P0 | SJ300-007HFU |
| | SJ100-015HFU | 2.0 hp | | GS2-42P0 | GS3-42P0 | SJ300-015HFU |
| | SJ100-022HFU | 3.0 hp | | GS2-43P0 | GS3-43P0 | SJ300-022HFU |
| | SJ100-040HFU | 5.0 hp | | GS2-45P0 | GS3-45P0 | SJ300-040HFU |
| | SJ100-055HFU | 7.5 hp | | GS2-47P5 | GS3-47P5 | SJ300-055HFU |
| | SJ100-075HFU | 10 hp | | GS2-4010 | GS3-4010 | SJ300-075HFU |

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