

Joule Logix Variable Frequency Drive Systems



- VFDs are selected for the latest and most efficient inverter technology with the highest electrical efficiency resulting in lower energy operating costs.
- Joule Logix has long and deep experience in the utilization of **Clean Power VFDs** that provide Harmonic Filtration and Mitigation in order to assist our clients in meeting their power quality requirements.
- Specific VFDs are best fit selected to match the specific compressor, pump, fan, conveyor, or turbine that is being operated; Reliable operation in the actual site ambient temperature, altitude, humidity, and other environmental conditions.
- UL Listed and Marked with our UL 508A US and CA File, and other regulatory agencies as required.



ABB Snowmaking 300 HP Low Harmonic VFDs

Compressor 300 HP Low Harmonic VFD

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- Harmonic mitigation, IEEE 519 compliance if desired or required via Active Front End VFDs, Active Harmonic Filters, Passive Harmonic Filters
- Sine Wave Output Filters for the protection of the motor from voltage spiking, increasing motor life and reliability.
- Transformers, Switchgear, Power Distribution Panels, Surge Protection Devices,
- Structural Steel Skids with complete mounting of the VFD, Transformer, Switchgear, Surge Protection Devices, with all Conduits, Cabling, Wiring, Terminations, .
- Current Limit feature to keep the VFD within its rated operating currents, help increase the drive and motor reliability.
- Sensorless flow measurement approximation based upon pump performance curve input and actual operating conditions.
- Cavitation Detection algorithm to help reduce pump damage due to cavitation.



Twin 250 HP VFDs with Sine Wave Filters



2,000 HP Gas Compressor MV VFD