

### VARIABLE FREQUENCY DRIVES IN NEMA 1 WALL MOUNT AND IP00 POWER MODULES

SAF offers a complete range of design preferences featuring Vacon NXP Series, from straight forward stand alone to more complicated configurations customized to our customers' individual specifications.

Superior quality, teamed with experienced engineering allows SAF to offer VFD build up packages that include:

- Energy Efficient for Electric Motors in the 2 HP – 1850 HP @ 480 volts range
- Long lasting DC cooling fans – extending longevity and meet 2015 EERP directive for decreased fan losses
- Rated for 50° C (Frames 4- 9) - 40° C (Frame 10 or higher)
- Integrated brake chopper standard (Frames 4-9)
- Line side reactors standard

### OPTIONS INCLUDE:

- Brake choppers (frames 10-14)
- 5 plug in extension slots
- I/O cards for use with block programming
- Encoder and resolver input modules
- Integrated safety module supporting: Safe Torque Off & Safe Stop 1 (SS1), (SS2) Safe Brake Control (SBC) & Safe Quick Stop (SQS) module along with safe speed functions
- Field bus cards: Profibus, DP Device Net, Modbus RTU, CANopen
- Ethernet Connectivity: Modbus/TCP Profinet I/O Ethernet I/P
- ATEX Certified Thermistor Input
- Conformal Coating (Standard F7-F14)
- Drive Sync Control capabilities for multiple drives in parallel when high power applications or where redundancy is required for motors up to 5 MW
- 6 & 12 pulse configurations available
- Available in Nema 1, Nema 12 and Nema 4 combination cabinets with non-fused, fused and circuit breaker
- Also available in liquid cool versions



### Typical Applications:

- Chemical and Refining
- Oil & Gas
- Metals
- Marine and Offshore Applications
- Marine Propulsion Systems and Bow Thrusters
- Pulp and Paper
- Cranes and Hoists
- Mining and Minerals
- Extruders
- Compressors
- Cement and Concrete
- Ski Lift Applications
- Winders
- Aggregate and Stacker Reclaimers
- Carriage Drives
- Wastewater and Clean Water Pump Applications