

MALLOY ELECTRIC

PRE-ENGINEERED MOTOR CONTROLS

CUSTOMIZABLE

AFFORDABLE

RELIABLE



MALLOY PANEL DESIGN & BUILD CENTER

The Most Automated Panel Shop in America

- ◆ **EPLAN 3D Design:** Every panel starts in 3D—**precise** component layouts, accurate wire routing, complete documentation before a single hole is drilled.
- ◆ **Steinhauer ModCenter:** CNC-driven enclosure modification delivers tighter tolerances, **faster** turnaround, and consistent quality across every build.
- ◆ **Komax Wire Processing:** We were the **first** U.S. panel shop to adopt Komax automated wire harness technology. The result: faster production, zero variance, and wire assemblies built to **exact** specifications.



Capabilities

1. Malloy produces more panels per **month (186% more)** than the 8 regional shops surveyed.
2. Inner Shop is **3,000 sqft with 3 ton crane**, where outside shop **40,000 sqft with largest crane being 20 ton**.
3. **3 full-time design engineers** and a **dozen builders** including **2 quality assurance** specialists.
4. Deep bench of close to **50 internal** motor, gearing, and VFD folks ready to help including several degreed engineers and even a PhD.



Engineering & Design Options (Naming Just a Few)

- N4X Non-metallic or Stainless Steel Designs
- Flange-Handle operators
- Up to 100kA Molded Case Circuit Breaker (MCCB) or Fuses
- Full voltage reversing (FVR) for starters
- Up-sized power control transformers to 1kVA
- Custom controls and pilot lights
- 230, 460, 575, 600VAC single and three phase power designs
- 24 - 460V AC and DC control voltage levels
- Electronic overloads, timers, and other specialized controls

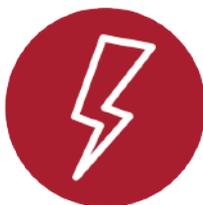
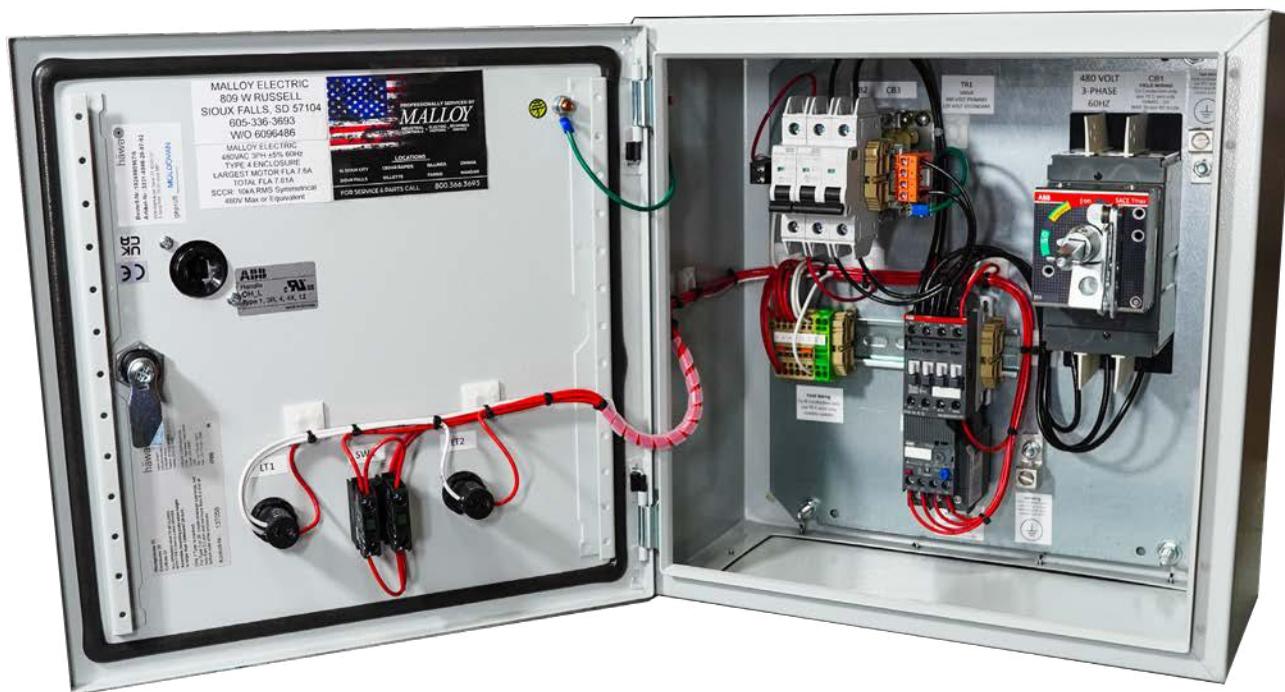


Look for the Icon

#Elite FVNR Motor Starters



Up to 50HP at 460VAC



Shop Tested



2-Year Warranty



Fast Delivery

Standard Features:

- Powder-coated N4/12 enclosure
- Galvanized back-pan
- Fuseless design
- Dual lockable rotary disconnect handle
- 25kA Molded Case Circuit Breaker (MCCB)
- 100VA CPT with MCB protection
- Hand-off-auto (HOA) with run and fault pilot lights
- 120VAC control
- Two-year warranty
- 1 week delivery (based on loading)

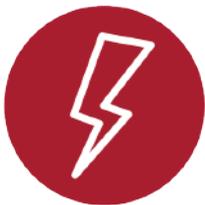


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INDUSTRIAL
CONTROL PANEL
FABRICATOR

#Premier FVNR Motor Starters



Up to 50HP at 460VAC



Shop Tested



2-Year Warranty



Fast Delivery

Standard Features:

- Powder-coated N4/12 enclosure
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- Dual lockable rotary disconnect handle
- 25kA Molded Case Circuit Breaker (MCCB)
- 100VA CPT with MCB protection
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- 1 week delivery (based on loading)



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#FVNR Motor Starters Prices

Elite FVNR Starter Cat #	Enclosure	HWD (in)	MCCB	Voltage	HP	OL	Cost
HD-FVNR-N4M-4-000P50-E	N4/12	16x16x10	15A	460V - 3P	0.5	1.6A	\$1,403
HD-FVNR-N4M-4-000P75-E	N4/12	16x16x10	15A	460V - 3P	0.75	2.5A	\$1,403
HD-FVNR-N4M-4-001P00-E	N4/12	16x16x10	15A	460V - 3P	1	2.5A	\$1,403
HD-FVNR-N4M-4-001P50-E	N4/12	16x16x10	15A	460V - 3P	1.5	4.0A	\$1,403
HD-FVNR-N4M-4-002P00-E	N4/12	16x16x10	15A	460V - 3P	2	4.0A	\$1,403
HD-FVNR-N4M-4-003P00-E	N4/12	16x16x10	15A	460V - 3P	3	6.0A	\$1,403
HD-FVNR-N4M-4-005P00-E	N4/12	16x16x10	15A	460V - 3P	5	8.0A	\$1,403
HD-FVNR-N4M-4-007P50-E	N4/12	16x16x10	15A	460V - 3P	7.5	13.0A	\$1,416
HD-FVNR-N4M-4-010P00-E	N4/12	16x16x10	20A	460V - 3P	10	18.0A	\$1,446
HD-FVNR-N4M-4-015P00-E	N4/12	16x16x10	30A	460V - 3P	15	25.0A	\$1,553
HD-FVNR-N4M-4-020P00-E	N4/12	16x16x10	40A	460V - 3P	20	32.0A	\$1,583
HD-FVNR-N4M-4-025P00-E	N4/12	16x16x10	50A	460V - 3P	25	42.0A	\$1,598
HD-FVNR-N4M-4-030P00-E	N4/12	20x16x10	60A	460V - 3P	30	50.0A	\$1,733
HD-FVNR-N4M-4-040P00-E	N4/12	20x16x10	80A	460V - 3P	40	65.0A	\$1,809
HD-FVNR-N4M-4-050P00-E	N4/12	20x16x10	100A	460V - 3P	50	75.0A	\$2,243

Premier FVNR Starter Cat #	Enclosure	HWD (in)	MCCB	Voltage	HP	OL	Cost
HD-FVNR-N4M-4-000P50-P	N4/12	16x16x10	15A	460V - 3P	0.5	1.6A	\$1,122
HD-FVNR-N4M-4-000P75-P	N4/12	16x16x10	15A	460V - 3P	0.75	2.5A	\$1,122
HD-FVNR-N4M-4-001P00-P	N4/12	16x16x10	15A	460V - 3P	1	2.5A	\$1,122
HD-FVNR-N4M-4-001P50-P	N4/12	16x16x10	15A	460V - 3P	1.5	4.0A	\$1,122
HD-FVNR-N4M-4-002P00-P	N4/12	16x16x10	15A	460V - 3P	2	4.0A	\$1,122
HD-FVNR-N4M-4-003P00-P	N4/12	16x16x10	15A	460V - 3P	3	6.0A	\$1,122
HD-FVNR-N4M-4-005P00-P	N4/12	16x16x10	15A	460V - 3P	5	8.0A	\$1,122
HD-FVNR-N4M-4-007P50-P	N4/12	16x16x10	15A	460V - 3P	7.5	13.0A	\$1,133
HD-FVNR-N4M-4-010P00-P	N4/12	16x16x10	20A	460V - 3P	10	18.0A	\$1,157
HD-FVNR-N4M-4-015P00-P	N4/12	16x16x10	30A	460V - 3P	15	25.0A	\$1,242
HD-FVNR-N4M-4-020P00-P	N4/12	16x16x10	40A	460V - 3P	20	32.0A	\$1,266
HD-FVNR-N4M-4-025P00-P	N4/12	16x16x10	50A	460V - 3P	25	42.0A	\$1,278
HD-FVNR-N4M-4-030P00-P	N4/12	20x16x10	60A	460V - 3P	30	50.0A	\$1,386
HD-FVNR-N4M-4-040P00-P	N4/12	20x16x10	80A	460V - 3P	40	65.0A	\$1,447
HD-FVNR-N4M-4-050P00-P	N4/12	20x16x10	100A	460V - 3P	50	75.0A	\$1,794

#Elite Machine VFD

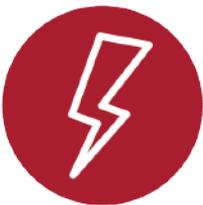


Up to 30HP at 460VAC



Elite Features:

- ABB ACS380 VFD
- Powder-coated N4/12 enclosure
- External Advanced Bluetooth keypad
- Lockable rotary disconnect and handle
- ABB MSP/breaker protection
- SPD & 5% Line Reactor
- 250VA over-sized power control transformer with MCB protection
- Filter fan(s) on larger models
- Hand-off-auto (HOA)
- Run and fault pilot lights
- Heavy Duty Speed Pot
- 120VAC interposing relay control
- UL508A & Drawings
- Fuseless design
- Two-year Warranty
- Uber fast delivery!



Shop Tested



2-Year Warranty



Fast Delivery

Proven configuration for your common application:

- Fan & pump control
- Conveyor & material handling
- General purpose motor control
- Building automation

Maximum Performance. Minimum Downtime!



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#Premier Machine VFD



Up to 30HP at 460VAC



Premier Features:

- Fuji FRENIC-Ace VFD
- Powder-coated N4/12 enclosure
- External Advanced keypad
- Lockable rotary disconnect and handle
- WEG MSP/breaker protection
- SPD & 5% Line Reactor (optional adder)
- 250VA over-sized power control transformer with MCB protection
- Filter fan(s) on larger models
- Hand-off-auto (HOA)
- Run and fault pilot lights
- Heavy Duty Speed Pot
- 120VAC interposing relay control
- UL508A & Drawings
- Fuseless design
- Two-year Warranty
- Uber fast delivery!



Shop Tested



2-Year Warranty



Fast Delivery

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- Conveyor & material handling
- General purpose motor control
- Building automation



The Fastest Path to Lowering Operating Costs!



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#Machine VFD Prices

Elite Machine VFD Cat #	Enclosure	HWD (in)	MSP	Voltage	HP	FLA	Cost
HD-04-4-000P50-D-PC-E	N12	24x24x12	4A	460V - 3P	0.5	1.2A	\$3,499
HD-04-4-001P00-D-PC-E	N12	24x24x12	6A	460V - 3P	1	2.2A	\$3,546
HD-04-4-002P00-D-PC-E	N12	24x24x12	8A	460V - 3P	2	4.1A	\$3,652
HD-04-4-003P00-D-PC-E	N12	24x24x12	10A	460V - 3P	3	5.8A	\$3,967
HD-04-4-005P00-D-PC-E	N12	24x24x12	17A	460V - 3P	5	9.5A	\$4,049
HD-04-4-007P50-D-PC-E	N12	24x24x12	20A	460V - 3P	7.5	14.0A	\$4,133
HD-04-4-010P00-D-PC-E	N12	32x24x12	32A	460V - 3P	10	18.0A	\$4,515
HD-04-4-015P00-D-PC-E	N12	32x24x12	40A	460V - 3P	15	24.0A	\$4,856
HD-04-4-020P00-D-PC-E	N12	32x24x12	50A	460V - 3P	20	32.0A	\$5,508
HD-04-4-025P00-D-PC-E	N12	32x24x12	63A	460V - 3P	25	39.0A	\$5,909
HD-04-4-030P00-D-PC-E	N12	32x24x12	75A	460V - 3P	30	46.0A	\$6,863

Premier Machine VFD Cat #	Enclosure	HWD (in)	MSP	Voltage	HP	FLA	Cost
HD-04-4-000P75-D-PC-P	N12	24x24x12	4A	460V - 3P	0.5	1.2A	\$2,878
HD-04-4-001P00-D-PC-P	N12	24x24x12	6A	460V - 3P	1	2.2A	\$2,878
HD-04-4-002P00-D-PC-P	N12	24x24x12	8A	460V - 3P	2	4.1A	\$2,908
HD-04-4-003P00-D-PC-P	N12	24x24x12	10A	460V - 3P	3	5.8A	\$2,957
HD-04-4-005P00-D-PC-P	N12	24x24x12	17A	460V - 3P	5	9.5A	\$3,028
HD-04-4-007P50-D-PC-P	N12	24x24x12	20A	460V - 3P	7.5	14.0A	\$3,031
HD-04-4-010P00-D-PC-P	N12	32x24x12	32A	460V - 3P	10	18.0A	\$3,464
HD-04-4-015P00-D-PC-P	N12	32x24x12	40A	460V - 3P	15	24.0A	\$3,501
HD-04-4-020P00-D-PC-P	N12	32x24x12	50A	460V - 3P	20	32.0A	\$4,009
HD-04-4-025P00-D-PC-P	N12	32x24x12	63A	460V - 3P	25	39.0A	\$4,254
HD-04-4-030P00-D-PC-P	N12	32x24x12	75A	460V - 3P	30	46.0A	\$4,670

#Premier N12 SoftStarter



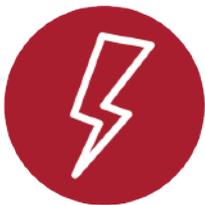
BENSHAW[®]
ADVANCED CONTROLS & DRIVES

Up to 600HP at 460VAC



Premier Features:

- NEMA N12 enclosure (N3R on request)
- EMX4i solid state starter
- Class 30 bypass starter
- Lockable flange handle disconnect handle
- 65kA Molded Case Circuit Breaker (MCCB)
- 100VA fused power control transformer
- Space heater with thermostat
- Start/Stop PBs, HOA, Power On/Run/Fault lights
- Advanced Keypad with diagnostics
- UL508A
- Three-year warranty
- Stock to 2 weeks



Shop Tested



2-Year Warranty



Fast Delivery

Proven configuration for your common application:

- Fan & pump control
- Conveyor & material handling
- General purpose motor control
- Building automation

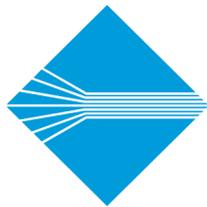


Easy Starting! Simple Set-up!



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#Premier N3R SoftStarter



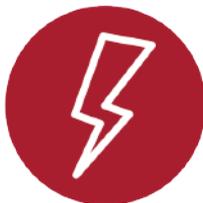
BENSHAW[®]
ADVANCED CONTROLS & DRIVES

Up to 150HP at 460VAC



Premier Features:

- NEMA 3R enclosure
- CSXi solid state starter with built-in bypass
- Lockable rotary disconnect handle
- 35kA Molded Case Circuit Breaker (MCCB)
- 100VA fused power control transformer
- Space heater with thermostat
- Start/Stop PBs, HOA, Power On/Run/Fault lights
- UL508A
- Three-year warranty
- Stock to 2 weeks



Shop Tested



2-Year Warranty



Fast Delivery

Proven configuration for your common application:

- Fan & pump control
- Conveyor & material handling
- General purpose motor control
- Building automation



For Outside Use! Solid Design!



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#SOFTSTARTER PACKAGES

Premier N12 SS Cat #	Enclosure	HWD (in)	MCCB	Voltage	HP	Max A	Cost
RX4E-050-480-3RKP-HB	N12	26x24x12	100	460V - 3P	50	65	\$5,194
RX4E-075-480-3RKP-HB	N12	48x24x12	225	460V - 3P	75	96	\$6,083
RX4E-100-480-3RKP-HB	N12	48x24x12	225	460V - 3P	100	124	\$7,055
RX4E-125-480-3RKP-HB	N12	48x24x12	225	460V - 3P	125	156	\$7,353
RX4E-150-480-3RKP-HB	N12	48x24x12	300	460V - 3P	150	180	\$7,852
RX4E-200-480-3RKP-HB	N12	48x24x12	400	460V - 3P	200	240	\$9,222
RX4E-250-480-3RKP-HB	N12	48x36x16	400	460V - 3P	250	302	\$10,238
RX4E-300-480-3RKP-HB	N12	48x36x16	600	460V - 3P	300	361	\$10,448
RX4E-400-480-3RKP-HB	N12	72x40x18	800	460V - 3P	400	477	\$16,398
RX4E-500-480-3RKP-HB	N12	72x40x18	1000	460V - 3P	500	590	\$19,717
RX4E-600-480-3RKP-HB	N12	72x40x18	1200	460V - 3P	600	720	\$20,062

Catalog Number	Enclosure	HWD (in)	MCCB	Voltage	HP	Max A	Cost
CSXi-0014-4-PP-N3R-CB-PD	N3R	20x16x8	40	460V - 3P	10	18	\$2,418
CSXi-0034-4-PP-N3R-CB-PD	N3R	20x16x8	60	460V - 3P	25	34	\$2,616
CSXi-0040-4-PP-N3R-CB-PD	N3R	20x16x8	70	460V - 3P	30	42	\$2,669
CSXi-0052-4-PP-N3R-CB-PD	N3R	20x16x8	100	460V - 3P	40	60	\$2,801
CSXi-0065-4-PP-N3R-CB-PD	N3R	24x20x10	125	460V - 3P	50	75	\$3,351
CSXi-0077-4-PP-N3R-CB-PD	N3R	24x20x10	150	460V - 3P	60	85	\$3,372
CSXi-0096-4-PP-N3R-CB-PD	N3R	24x20x10	150	460V - 3P	75	100	\$3,560
CSXi-0125-4-PP-N3R-CB-PD	N3R	24x20x10	200	460V - 3P	100	140	\$4,110
CSXi-0156-4-PP-N3R-CB-PD	N3R	24x20x10	250	460V - 3P	125	170	\$4,343
CSXi-0180-4-PP-N3R-CB-PD	N3R	24x20x10	300	460V - 3P	150	200	\$4,600