

Three Phase Modifiable NEMA^{®†} Horizontal Motors Totally Enclosed Non-Vent (TENV)



LI Single Label

Hazardous Location Inverter Duty, Premium Efficient - IE3 Variable Torque 10:1 (6-60 Hz) & Constant Torque 5:1 (12-60 Hz) Class I, Division 1

- * Inverter Grade[®] Insulation System (Meets NEMA^{®†} MG-1 Part 31)
- * Class F Insulation, 1.00 Service Factor (On PWM)
- * Insulife 2000 Insulation Treatment
- * Cast Iron Frame And Endshields
- * Special Balance
- * Class F Thermostats (One Per Phase)
- * Stainless Steel Nameplate And Zinc Plated Hardware
- * Shaft Slinger On Pulley End
- * 143-215 And 444-449 Frame: Class I Group D

- * 254-405 Frame: Class I Group C&D
- * Lifting Provisions And Regreasable Bearings On 180 Frame And Up
- * Insulated Shaft ODE 400 Frame & Up
- * Close Coupled Pump (CCP) Available With Adder
- * Air-Over (TEAO) Available With Deduct
- * CORRO-DUTY[®] Available With Adder
- * VT 10:1 / CT 5:1 T2B T-Code (1.15 S.F. sine wave / 1.0 S.F. VFD duty)
- * VT 10:1 (ONLY) T3C T-Code (1.0 S.F. sine wave / 1.0 S.F. VFD duty)

HP	RPM @ 60 Hertz											
	3600		1800		1200		900		720		600	
	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List
0.25	143	\$1,257	143	\$1,065	143	\$1,200	145	\$1,750	—	—	—	—
0.33	143	\$1,257	143	\$1,065	143	\$1,200	145	\$1,750	—	—	—	—
0.5	143	\$1,257	143	\$1,065	143	\$1,200	145	\$1,750	—	—	—	—
0.75	143	\$1,257	143	\$1,065	143	\$1,200	145	\$1,750	—	—	—	—
1	143	\$1,257	143	\$1,065	145	\$1,200	182	\$1,750	—	—	—	—
1.5	143	\$1,319	145	\$1,069	182	\$1,695	184	\$1,816	—	—	—	—
2	145	\$1,543	145	\$1,192	184	\$1,842	213	\$2,011	—	—	—	—
3	182	\$1,691	182	\$1,314	213	\$2,067	215	\$2,492	—	—	—	—
5	184	\$2,048	184	\$1,541	215	\$2,496	254	\$3,464	—	—	—	—
7.5	213	\$2,436	213	\$1,870	254	\$3,026	256	\$4,762	—	—	—	—
10	215	\$2,719	215	\$2,195	256	\$3,589	284	\$5,679	—	—	—	—
15	254	\$3,410	254	\$2,900	284	\$4,938	286	\$7,382	—	—	—	—
20	256	\$4,145	256	\$3,420	286	\$5,982	324	\$8,737	—	—	—	—
25	284	\$5,106	284	\$4,016	324	\$7,173	326	\$10,350	—	—	—	—
30	286	\$5,654	286	\$4,658	326	\$8,464	364	\$11,915	—	—	—	—
40	324	\$7,896	324	\$6,145	364	\$11,204	365	\$14,901	—	—	—	—
50	326	\$9,517	326	\$7,498	365	\$12,908	404	\$18,982	—	—	—	—
60	364	\$11,927	364	\$10,623	404	\$14,886	405	\$21,568	—	—	—	—
75	365	\$14,539	365	\$13,449	405	\$17,973	444	\$23,904	—	—	—	—
100	405	\$18,056	405	\$15,506	444	\$22,686	445	\$31,143	—	—	—	—
125	444	\$22,364	444	\$19,158	445	\$25,950	447	\$34,000	—	—	—	—
150	445	\$27,835	445	\$22,684	447	\$29,805	449	\$41,455	—	—	—	—
200	447	\$34,333	447	\$27,648	449	\$38,729	449	\$55,273	—	—	—	—
250	449	\$41,667	449	\$33,606	449	\$48,411	—	—	—	—	—	—
300	449	\$47,980	449	\$41,327	—	—	—	—	—	—	—	—

* For T3 Temperature Code, See Dual Label.

* 60Hz 3600, 1800, 1200 & 900 RPM Motors Comply With U.S. D.O.E.'s Efficiency Regulation 10 CFR Section 431 Subpart B – Electric Motors (See Appendix A2 & A3 For Nominal Efficiency Table)

DISCOUNT SYMBOL: DS-VFM

† All marks shown within this document are properties of their respective owners.



Three Phase Modifiable NEMA^{®†} Horizontal Motors Totally Enclosed Fan Cooled (TEFC)



LI Dual Label

Hazardous Location Inverter Duty, Premium Efficient - IE3 Variable Torque 10:1 (6-60 Hz) Speed Range Class I And Class II, Division 1

- * Inverter Grade[®] Insulation System (Meets NEMA^{®†} MG-1 Part 31)
- * Class F Insulation, 1.00 Service Factor (On PWM)
- * Insulife 2000 Insulation Treatment
- * Cast Iron Frame And Endshields
- * Special Balance
- * Class F Thermostats (One Per Phase)
- * Stainless Steel Nameplate And Zinc Plated Hardware

- * Shaft Slinger On Pulley End
- * 143-215 Frame: Class I Group D, Class II Group F&G, T3B
- * 254-326 Frame: Class I Group C&D, Class II Group F&G, T3C
- * Lifting Provisions & Regreasable Bearings On 180 Frame And Up
- * Close Coupled Pump (CCP) Available With Adder
- * Air-Over (TEAO) Available With Deduct
- * CORRO-DUTY[®] Available With Adder

HP	RPM @ 60 Hertz											
	3600		1800		1200		900		720		600	
	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List
0.25	143	\$1,385	143	\$1,174	143	\$1,393	145	\$2,030	—	—	—	—
0.33	143	\$1,385	143	\$1,174	143	\$1,393	145	\$2,030	—	—	—	—
0.5	143	\$1,385	143	\$1,174	143	\$1,393	145	\$2,030	—	—	—	—
0.75	143	\$1,385	143	\$1,174	143	\$1,393	145	\$2,030	—	—	—	—
1	143	\$1,385	143	\$1,174	145	\$1,393	182	\$2,030	—	—	—	—
1.5	143	\$1,457	145	\$1,179	182	\$1,964	184	\$2,103	—	—	—	—
2	145	\$1,698	145	\$1,312	184	\$2,139	213	\$2,348	—	—	—	—
3	182	\$1,861	182	\$1,448	213	\$2,399	215	\$2,709	—	—	—	—
5	184	\$2,256	184	\$1,696	215	\$2,894	254	\$3,765	—	—	—	—
7.5	213	\$2,682	213	\$2,059	254	\$3,417	256	\$5,176	—	—	—	—
10	215	\$2,991	215	\$2,414	256	\$4,170	284	\$6,173	—	—	—	—
15	254	\$3,754	254	\$2,860	284	\$6,264	286	\$8,024	—	—	—	—
20	256	\$4,563	256	\$3,650	286	\$7,306	324	\$9,497	—	—	—	—
25	284	\$5,618	284	\$4,417	324	\$8,821	326	\$11,250	—	—	—	—
30	286	\$6,221	286	\$5,017	326	\$10,139	—	—	—	—	—	—
40	324	\$8,688	324	\$7,203	—	—	—	—	—	—	—	—
50	326	\$10,470	326	\$8,360	—	—	—	—	—	—	—	—

* Currently, Dual Label Inverter Duty Hazardous Location Not Available Above 326 Frame.

* 60Hz 3600, 1800, 1200 & 900 RPM Motors Comply With U.S. D.O.E.'s Efficiency Regulation 10 CFR Section 431 Subpart B – Electric Motors (See Appendix A2 & A3 For Nominal Efficiency Table)

DISCOUNT SYMBOL: DS-VFM

† All marks shown within this document are properties of their respective owners.



Three Phase Modifiable NEMA[®] Horizontal Motors Totally Enclosed Fan Cooled (TEFC)



LI Single Label

Hazardous Location Inverter Duty, Premium Efficient - IE3 Constant Torque 10:1 (6-60 Hz) Speed Range Class I, Division 1, T2B

- * Inverter Grade[®] Insulation System (Meets NEMA[®] MG-1 Part 31)
- * Class F Insulation, 1.00 Service Factor (On PWM)
- * Insulife 2000 Insulation Treatment
- * Cast Iron Frame And Endshields
- * Special Balance
- * Class F Thermostats (One Per Phase)
- * Stainless Steel Nameplate And Zinc Plated Hardware
- * Shaft Slinger On Pulley End

- * 143-215 And 444-449 Frame: Class I Group D, T2B
- * 254-405 Frame: Class I Group C&D, T2B
- * Lifting Provisions And Regreasable Bearings On 180 Frame And Up
- * Insulated Shaft ODE 400 Frame & Up
- * Close Coupled Pump (CCP) Available With Adder
- * Air-Over (TEAO) Available With Deduct
- * CORRO-DUTY[®] Available With Adder

HP	RPM @ 60 Hertz											
	3600		1800		1200		900		720		600	
	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List
0.25	143	\$1,353	143	\$1,087	143	\$1,367	145	\$1,774	—	—	—	—
0.33	143	\$1,353	143	\$1,087	143	\$1,367	145	\$1,774	—	—	—	—
0.5	143	\$1,353	143	\$1,087	143	\$1,367	145	\$1,774	—	—	—	—
0.75	143	\$1,353	143	\$1,087	145	\$1,367	182	\$1,774	—	—	—	—
1	143	\$1,353	145	\$1,087	182	\$1,367	184	\$1,774	—	—	—	—
1.5	145	\$1,420	145	\$1,132	184	\$1,805	213	\$1,969	—	—	—	—
2	182	\$1,577	182	\$1,238	213	\$1,960	215	\$2,186	—	—	—	—
3	184	\$1,825	184	\$1,484	215	\$2,129	254	\$2,709	—	—	—	—
5	213	\$2,080	213	\$1,632	254	\$2,718	256	\$3,765	—	—	—	—
7.5	215	\$2,451	215	\$2,105	256	\$3,450	284	\$5,176	—	—	—	—
10	254	\$2,722	254	\$2,384	284	\$3,997	286	\$6,173	—	—	—	—
15	256	\$3,754	256	\$2,962	286	\$5,732	324	\$8,024	—	—	—	—
20	284	\$4,341	284	\$3,731	324	\$6,660	326	\$9,497	—	—	—	—
25	286	\$5,600	286	\$4,576	326	\$8,245	364	\$11,250	—	—	—	—
30	324	\$6,422	324	\$5,195	364	\$9,332	365	\$12,951	—	—	—	—
40	326	\$8,515	326	\$7,099	365	\$11,126	404	\$16,197	—	—	—	—
50	364	\$10,211	364	\$8,249	404	\$13,153	405	\$20,633	—	—	—	—
60	365	\$13,307	365	\$11,137	405	\$16,632	444	\$23,443	—	—	—	—
75	405	\$16,107	405	\$14,052	444	\$19,238	445	\$25,983	—	—	—	—
100	444	\$20,698	444	\$17,447	445	\$24,773	447	\$33,851	—	—	—	—
125	445	\$23,784	445	\$20,586	447	\$28,821	449	\$36,956	—	—	—	—
150	447	\$28,653	447	\$23,920	449	\$33,102	—	—	—	—	—	—
200	449	\$36,003	449	\$30,117	449	\$38,068	—	—	—	—	—	—
250	—	—	449	\$38,311	—	—	—	—	—	—	—	—

* For T3 Temperature Code, See Dual Label.

* 60Hz 3600, 1800, 1200 & 900 RPM Motors Comply With U.S. D.O.E.'s Efficiency Regulation 10 CFR Section 431 Subpart B – Electric Motors (See Appendix A2 & A3 For Nominal Efficiency Table)

DISCOUNT SYMBOL: DS-VFM

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Three Phase Modifiable NEMA^{®†} Horizontal Motors Totally Enclosed Fan Cooled (TEFC)



LI Dual Label

Hazardous Location Inverter Duty, Premium Efficient - IE3 Constant Torque 10:1 (6-60 Hz) Speed Range Class I & Class II, Division 1

- * Inverter Grade[®] Insulation System (Meets NEMA^{®†} MG-1 Part 31)
- * Class F Insulation, 1.00 Service Factor (On PWM)
- * Insulife 2000 Insulation Treatment
- * Cast Iron Frame And Endshields
- * Special Balance
- * Class F Thermostats (One Per Phase)
- * Stainless Steel Nameplate And Zinc Plated Hardware

- * Shaft Slinger On Pulley End
- * 143-215 Frame: Class I Group D, Class II Group F, T3B or T3C
- * 254-326: See Footnote
- * Lifting Provisions And Regreasable Bearings On 180 Frame And Up
- * Close Coupled Pump (CCP) Available With Adder
- * Air-Over (TEAO) Available With Deduct
- * CORRO-DUTY[®] Available With Adder

HP	RPM @ 60 Hertz											
	3600		1800		1200		900		720		600	
	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List
0.25	143	\$1,492	143	\$1,198	145	\$1,586	145	\$1,924	—	—	—	—
0.33	143	\$1,492	143	\$1,198	145	\$1,586	145	\$1,924	—	—	—	—
0.5	143	\$1,492	143	\$1,198	145	\$1,586	145	\$1,924	—	—	—	—
0.75	143	\$1,492	143	\$1,198	145	\$1,586	182	\$1,924	—	—	—	—
1	143	\$1,492	145	\$1,198	182	\$1,586	184	\$1,924	—	—	—	—
1.5	145	\$1,568	145	\$1,248	184	\$2,091	213	\$2,130	—	—	—	—
2	182	\$1,736	182	\$1,363	213	\$2,275	215	\$2,376	—	—	—	—
3	184	\$2,008	184	\$1,636	215	\$2,471	—	—	—	—	—	—
5	213	\$2,291	213	\$1,796	—	—	—	—	—	—	—	—
7.5	215	\$2,699	215	\$2,317	—	—	—	—	—	—	—	—

* Constant Torque Dual Label 254-326 Frame Only Available In 6:1 Speed Range - See Next Page.
 * Currently, Dual Label Inverter Duty Hazardous Location Not Available Above 326 Frame.
 * 60Hz 3600, 1800, 1200 & 900 RPM Motors Comply With U.S. D.O.E.'s Efficiency Regulation 10 CFR Section 431 Subpart B – Electric Motors (See Appendix A2 & A3 For Nominal Efficiency Table)

DISCOUNT SYMBOL: DS-VFM

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Three Phase Modifiable NEMA^{®†} Horizontal Motors Totally Enclosed Fan Cooled (TEFC)



LI Dual Label

Hazardous Location Inverter Duty, Premium Efficient - IE3 Constant Torque 6:1 (10-60 Hz) Speed Range Class I & Class II, Division 1

- * Inverter Grade[®] Insulation System (Meets NEMA^{®†} MG-1 Part 31)
- * Class F Insulation, 1.00 Service Factor (On PWM)
- * Insulife 2000 Insulation Treatment
- * Cast Iron Frame And Endshields
- * Special Balance
- * Class F Thermostats (One Per Phase)
- * Stainless Steel Nameplate And Zinc Plated Hardware

- * Shaft Slinger On Pulley End
- * 143-215 Frame: See Footnote
- * 254-326 Frame: Class I Group C&D, Class II Group F, T3C
- * Lifting Provisions And Regreasable Bearings On 180 Frame And Up
- * Close Coupled Pump (CCP) Available With Adder
- * Air-Over (TEAO) Available With Deduct
- * CORRO-DUTY[®] Available With Adder

HP	RPM @ 60 Hertz											
	3600		1800		1200		900		720		600	
	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List
3	—	—	—	—	—	—	254	\$3,142	—	—	—	—
5	—	—	—	—	254	\$3,383	256	\$4,368	—	—	—	—
7.5	—	—	—	—	256	\$4,330	284	\$6,004	—	—	—	—
10	254	\$2,941	254	\$2,723	284	\$4,822	286	\$7,161	—	—	—	—
15	256	\$5,030	256	\$3,497	286	\$7,567	324	\$9,308	—	—	—	—
20	284	\$5,477	284	\$4,314	324	\$8,477	326	\$11,016	—	—	—	—
25	286	\$7,490	286	\$5,486	326	\$11,285	—	—	—	—	—	—
30	324	\$7,883	324	\$5,964	—	—	—	—	—	—	—	—
40	326	\$10,664	326	\$8,756	—	—	—	—	—	—	—	—

* Constant Torque Dual Label 254-326 Frame Only Available In 6:1 Speed Range - See Next Page.

* Currently, Dual Label Inverter Duty Hazardous Location Not Available Above 326 Frame.

* 60Hz 3600, 1800, 1200 & 900 RPM Motors Comply With U.S. D.O.E.'s Efficiency Regulation 10 CFR Section 431 Subpart B - Electric Motors (See Appendix A2 & A3 For Nominal Efficiency Table)

DISCOUNT SYMBOL: DS-VFM

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Three Phase Modifiable NEMA^{®†} Horizontal Motors Totally Enclosed Fan Cooled (TEFC)



LI Dual Label (Group G)

Hazardous Location Inverter Duty, Premium Efficient - IE3 Constant Torque 10:1 (6-60 Hz) Speed Range Class I & Class II, Division 1 (w/Group G)

- * Inverter Grade[®] Insulation System (Meets NEMA^{®†} MG-1 Part 31)
- * Class F Insulation, 1.00 Service Factor (On PWM)
- * Insulife 2000 Insulation Treatment
- * Cast Iron Frame And Endshields
- * Special Balance
- * Class F Thermostats (One Per Phase)
- * Stainless Steel Nameplate And Zinc Plated Hardware

- * Shaft Slinger On Pulley End
- * 143-215 Frame: Class I Group D, Class II Group F, T3B or T3C
- * 254-326: See Footnote
- * Lifting Provisions And Regreasable Bearings On 180 Frame And Up
- * Close Coupled Pump (CCP) Available With Adder
- * Air-Over (TEAO) Available With Deduct
- * CORRO-DUTY[®] Available With Adder

HP	RPM @ 60 Hertz											
	3600		1800		1200		900		720		600	
	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List
0.25	143	\$1,273	143	\$1,104	143	\$1,559	145	\$2,200	—	—	—	—
0.33	143	\$1,273	143	\$1,104	143	\$1,559	145	\$2,200	—	—	—	—
0.5	143	\$1,273	143	\$1,104	143	\$1,559	145	\$2,200	—	—	—	—
0.75	143	\$1,273	143	\$1,104	143	\$1,559	182	\$2,200	—	—	—	—
1	143	\$1,273	145	\$1,104	182	\$1,559	184	\$2,200	—	—	—	—
1.5	145	\$1,340	145	\$1,224	184	\$1,774	213	\$2,442	—	—	—	—
2	182	\$1,705	182	\$1,339	213	\$2,026	215	\$2,710	—	—	—	—
3	184	\$1,784	184	\$1,606	215	\$2,427	—	—	—	—	—	—
5	213	\$2,204	213	\$1,762	—	—	—	—	—	—	—	—

* Constant Torque Dual Label 254-326 Frame Only Available In 6:1 Speed Range - See Next Page.
 * Currently, Dual Label Inverter Duty Hazardous Location Not Available Above 326 Frame.
 * 60Hz 3600, 1800, 1200 & 900 RPM Motors Comply With U.S. D.O.E.'s Efficiency Regulation 10 CFR Section 431 Subpart B – Electric Motors (See Appendix A2 & A3 For Nominal Efficiency Table)

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Three Phase Modifiable NEMA^{®†} Horizontal Motors Totally Enclosed Fan Cooled (TEFC)



LI Dual Label (Group G)

Hazardous Location Inverter Duty, Premium Efficient - IE3 Constant Torque 6:1 (10-60 Hz) Speed Range Class I & Class II, Division 1 (w/Group G)

- * Inverter Grade[®] Insulation System (Meets NEMA^{®†} MG-1 Part 31)
- * Class F Insulation, 1.00 Service Factor (On PWM)
- * Insulife 2000 Insulation Treatment
- * Cast Iron Frame And Endshields
- * Special Balance
- * Class F Thermostats (One Per Phase)
- * Stainless Steel Nameplate And Zinc Plated Hardware

- * Shaft Slinger On Pulley End
- * 143-215: See Footnote
- * 254-326 Frame: Class I Group C&D, Class II Group F&G, T3C
- * Lifting Provisions And Regreasable Bearings On 180 Frame And Up
- * Close Coupled Pump (CCP) Available With Adder
- * Air-Over (TEAO) Available With Deduct
- * CORRO-DUTY[®] Available With Adder

HP	RPM @ 60 Hertz											
	3600		1800		1200		900		720		600	
	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List
3	—	—	—	—	—	—	254	\$3,575	—	—	—	—
5	—	—	—	—	256	\$3,551	284	\$4,970	—	—	—	—
7.5	254	\$2,762	254	\$2,528	284	\$4,546	286	\$6,832	—	—	—	—
10	256	\$3,089	256	\$2,859	286	\$5,063	324	\$8,148	—	—	—	—
15	286	\$5,281	286	\$3,671	326	\$7,946	—	—	—	—	—	—
20	324	\$5,752	324	\$4,530	—	—	—	—	—	—	—	—
25	326	\$7,862	326	\$5,760	—	—	—	—	—	—	—	—

* Constant Torque Dual Label 143-215 Frame Are Good For 10:1 Speed Range - See Previous Page.
 * Currently, Dual Label Inverter Duty Hazardous Location Not Available Above 326 Frame.
 * 60Hz 3600, 1800, 1200 & 900 RPM Motors Comply With U.S. D.O.E.'s Efficiency Regulation 10 CFR Section 431 Subpart B – Electric Motors (See Appendix A2 & A3 For Nominal Efficiency Table)

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