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

CTI

World Motor - Hostile Duty, Inverter Duty, Premium Efficient - IE3
Variable Torque 20:1 (3-60 Hz) Speed Range
Constant Torque 5:1 (12-60 Hz) Speed Range

* Inverter Grade® Insulation System (Meets NEMA®† MG-1 Part 31)
* IP54 Ingress Protection
* 1.15 Service Factor On Sine Wave / 1.0 Service Factor On PWM
* Class F Insulation
* Special Balance (0.08 IPS)
* Cast Iron Frame and End Shields
* Corrosion Resistant Mill And Chemical Duty Paint
* Stainless Steel Nameplate And Zinc Plated Hardware
* Shaft Slinger On Pulley End For IP54 Protection
* Lifting Provisions
* Regreasable Bearings On 250 Frame And Up
* Class F Thermostats (One Per Phase)
* Internal Shaft Grounding Ring
* CORRO-DUTY® Available With Adder
* Air-Over (TEAO) Available With Deduct

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	$590	143	$530	143	$676	145	$966	—	—	—	—
0.33	143	$590	143	$530	143	$676	145	$966	—	—	—	—
0.5	143	$590	143	$530	143	$676	145	$966	—	—	—	—
0.75	143	$590	143	$530	143	$676	145	$966	—	—	—	—
1	143	$590	143	$530	145	$676	182	$966	213	$1,165	215	$1,514
1.5	143	$590	145	$566	182	$761	184	$1,179	213	$1,422	254	$1,867
2	145	$613	145	$622	184	$868	213	$1,202	215	$1,640	256	$2,090
3	182	$712	182	$679	213	$1,081	215	$1,676	254	$2,242	284	$2,801
5	184	$844	184	$774	215	$1,395	254	$2,184	256	$2,779	286	$3,676
7.5	213	$1,099	213	$1,055	254	$1,873	256	$2,847	284	$3,759	324	$4,803
10	215	$1,281	215	$1,313	256	$2,226	284	$3,316	324	$4,700	326	$5,921
15	254	$1,803	254	$1,757	284	$2,941	286	$4,339	326	$5,209	364	$6,772
20	256	$2,235	256	$2,186	286	$3,616	324	$5,243	364	$6,294	365	$8,182
25	284	$2,658	284	$2,571	324	$4,619	326	$6,060	365	$8,181	405	$10,635
30	286	$3,188	286	$3,053	326	$5,254	364	$6,775	405	$9,146	405	$11,890
40	324	$3,758	324	$3,644	364	$5,821	365	$8,441	405	$11,395	445	$14,814
50	326	$5,036	326	$4,524	365	$7,239	404	$10,497	445	$14,171	445	$18,422
60	364	$6,476	364	$6,330	404	$8,517	405	$11,498	445	$15,522	447	$20,179
75	365	$8,339	365	$7,728	405	$10,133	444	$13,679	447	$18,467	449	$26,636
100	405	$11,178	405	$10,133	444	$13,603	445	$18,365	449	$24,376	—	—
125	444	$13,997	444	$13,146	445	$16,895	447	$22,808	—	—	—	—
150	445	$17,743	445	$15,831	447	$19,320	449	$30,107	—	—	—	—
200	447	$24,249	447	$20,503	449	$25,529	—	—	—	—	—	—
250	449	$29,682	449	$26,366	—	—	—	—	—	—	—	—
300	449	$35,486	449	$30,461	—	—	—	—	—	—	—	—
350	—	—	449	$33,210	—	—	—	—	—	—	—	—

* 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-HDMW

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

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

CTI

Hostile Duty, Inverter Duty, Premium Efficient - IE3
Constant Torque 20:1 (3-60 Hz) Speed Range

* Inverter Grade® Insulation System (Meets NEMA®† MG-1 Part 31)
* Class F Insulation
* NEMA®† Design A
* Special Balance
* Cast Iron Frame Construction (140: Rolled Steel)
* Cast Iron End Shields
* Corrosion Resistant Mill And Chemical Duty Paint
* Stainless Steel Nameplate And Zinc Plated Hardware
* Shaft Slinger On Pulley End For IP54 Protection
* Lifting Provisions On 180 Frame And Up
* Class F Thermostats (One Per Phase)
* Insulated Shaft ODE 400 Frame & Up
* CORRO-DUTY® Available With Adder
* Air-Over (TEAO) Available With Deduct
* Close Coupled Pump (CCP) Available With Adder
* Shaft Grounding Ring

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	$718	143	$623	143	$846	145	$1,311	—	—	—	—
0.33	143	$718	143	$623	143	$846	145	$1,311	—	—	—	—
0.5	143	$718	143	$623	143	$846	145	$1,311	—	—	—	—
0.75	143	$718	143	$623	145	$846	182	$1,311	—	—	—	—
1	143	$718	145	$623	182	$846	184	$1,311	213	$1,770	254	$2,301
1.5	145	$718	145	$690	184	$939	213	$1,455	215	$1,964	256	$2,554
2	182	$853	182	$756	213	$1045	215	$1,620	254	$2,187	284	$2,843
3	182	$959	182	$848	213	$1,295	254	$2,008	256	$2,710	286	$3,523
5	184	$1,203	184	$985	215	$1,854	256	$2,874	284	$3,880	324	$5,043
7.5	213	$1,490	213	$1,348	254	$2,474	284	$3,834	324	$5,176	326	$6,728
10	215	$1,746	215	$1,628	256	$2,988	286	$4,616	326	$6,232	364	$8,102
15	254	$2,499	254	$2,248	284	$4,164	324	$6,173	364	$8,333	365	$10,833
20	256	$3,094	256	$2,770	286	$5,044	326	$7,305	365	$9,862	405	$12,820
25	284	$3,795	284	$3,324	324	$6,001	364	$8,654	404	$11,683	405	$15,187
30	286	$4,450	286	$3,876	326	$7,081	365	$9,963	405	$13,449	445	$17,484
40	324	$5,750	324	$5,061	364	$9,538	404	$12,341	445	$16,661	445	$21,659
50	326	$7,399	326	$6,214	365	$10,988	405	$15,871	445	$21,426	447	$27,854
60	364	$9,876	364	$9,035	404	$12,945	444	$18,315	447	$24,725	—	—
75	365	$12,404	365	$11,491	405	$15,263	445	$20,299	—	—	—	—
100	405	$16,620	405	$14,161	444	$20,898	447	$28,688	—	—	—	—
125	444	$20,681	444	$17,628	445	$23,904	—	—	—	—	—	—
150	445	$25,451	445	$20,923	—	—	—	—	—	—	—	—

* 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-VFTM

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

Three Phase Modifiable
NEMA®† Horizontal Motors
Totally Enclosed Blower Cooled (TEBC)

TCBI

CORRO-DUTY®, Inverter Duty, Premium Efficient - IE3
Constant Torque 5000:1 Speed Range

* Inverter Grade® Insulation System (Meets NEMA®† MG-1 Part 31)
* Class F Insulation, 1.00 Service Factor (On PWM)
* Special Balance
* Cast Iron Frame Construction (140: Rolled Steel)
* Cast Iron End Shields
* Corrosion Resistant Mill And Chemical Duty Paint
* Stainless Steel Nameplate And Zinc Plated Hardware
* Shaft Slinger On Pulley End For IP54 Protection
* Lifting Provisions And Regreasable Bearings On 180 Frame And Up
* Class F Thermostats (One Per Phase)
* Insulated Shaft ODE 400 Frame & Up
* Close Coupled Pump (CCP) Available With Adder
* Shaft Grounding Ring

HP	RPM @ 60 Hertz											
	3600		1800		1200		900		720		600	
	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List
0.25	—	—	—	—	—	—	—	—	—	—	—	—
0.33	—	—	—	—	—	—	—	—	—	—	—	—
0.5	—	—	—	—	—	—	—	—	—	—	—	—
0.75	—	—	—	—	—	—	—	—	—	—	—	—
1	—	—	—	—	—	—	182	$2,066	213	$2,562	215	$3,093
1.5	—	—	—	—	182	$1,694	184	$2,210	213	$2,756	254	$3,387
2	—	—	—	—	184	$1,800	213	$2,412	215	$2,979	256	$3,676
3	182	$1,714	182	$1,603	213	$2,087	215	$2,800	254	$3,543	284	$4,431
5	184	$1,958	184	$1,740	215	$2,646	254	$3,707	256	$4,713	286	$5,951
7.5	213	$2,282	213	$2,140	254	$3,307	256	$4,667	284	$6,084	324	$7,799
10	215	$2,538	215	$2,420	256	$3,821	284	$5,524	324	$7,303	326	$9,173
15	254	$3,332	254	$3,081	284	$5,072	286	$7,081	326	$9,404	364	$11,976
20	256	$3,927	256	$3,603	286	$5,952	324	$8,376	364	$11,005	365	$13,963
25	284	$4,703	284	$4,232	324	$7,072	326	$9,725	365	$12,826	405	$16,449
30	286	$5,358	286	$4,784	326	$8,152	364	$11,106	405	$14,711	405	$18,746
40	324	$6,821	324	$6,132	364	$10,681	365	$13,484	405	$17,923	445	$23,020
50	326	$8,470	326	$7,285	365	$12,131	404	$17,133	445	$22,787	445	$29,215
60	364	$11,019	364	$10,178	404	$14,207	405	$19,577	445	$26,086	447	$33,545
75	365	$13,547	365	$12,634	405	$16,525	444	$21,660	447	$28,806	—	—
100	405	$17,882	405	$15,423	444	$22,259	445	$30,049	—	—	—	—
125	444	$22,042	444	$18,989	445	$25,265	447	$32,721	—	—	—	—
150	445	$26,812	445	$22,284	447	$28,857	—	—	—	—	—	—
200	447	$33,566	447	$26,893	—	—	—	—	—	—	—	—

* Refer To Page A1 For Blower Performance Data.
* 30:1 CT on Open Loop Vector Drives. Speed Range May Be Limited On Other Drive Types.
* For Vector Duty With Encoder, Use Base List Price + Encoder Adder.
* 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-VFTM

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

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

CTNI

Hostile Duty, Inverter Duty, Premium Efficient - IE3
Constant Torque 5000:1 Speed Range

* Inverter Grade® Insulation System (Meets NEMA®† MG-1 Part 31)
* Class F Insulation
* 1.0 Service Factor (On PWM)
* Special Balance
* Cast Iron Frame Construction (140: Rolled Steel)
* Cast Iron End Shields
* Corrosion Resistant Mill And Chemical Duty Paint
* Stainless Steel Nameplate And Zinc Plated Hardware
* Shaft Slinger On Pulley End For IP54 Protection
* Lifting Provisions And Regreasable Bearings On 180 Frame And Up
* Class F Thermostats (One Per Phase)
* CORRO-DUTY® Available With Adder
* Close Coupled Pump (CCP) Available With Adder
* Shaft Grounding Ring

HP	RPM @ 60 Hertz											
	3600		1800		1200		900		720		600	
	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List	Frame	List
0.25	145	$775	145	$672	143	$914	145	$1,416	—	—	—	—
0.33	145	$775	145	$672	143	$914	145	$1,416	—	—	—	—
0.5	145	$775	145	$672	143	$914	145	$1,416	—	—	—	—
0.75	145	$775	145	$672	145	$914	182	$1,416	—	—	—	—
1	145	$775	145	$672	145	$914	182	$1,416	213	$1,912	254	$2,485
1.5	182	$775	145	$745	182	$1,014	184	$1,571	215	$2,121	256	$2,758
2	184	$921	182	$817	184	$1,129	213	$1,750	254	$2,362	284	$3,071
3	215	$1,035	184	$915	213	$1,399	215	$2,168	256	$2,927	286	$3,805
5	215	$1,299	213	$1,064	215	$2,002	254	$3,104	284	$4,190	—	—
7.5	254	$1,609	215	$1,455	254	$2,672	256	$4,140	286	$5,590	—	—
10	256	$1,886	254	$1,758	256	$3,227	284	$4,986	324	$6,730	—	—
15	284	$2,699	256	$2,427	284	$4,497	286	$6,666	—	—	—	—
20	—	—	284	$2,992	286	$5,447	324	$7,889	—	—	—	—
25	—	—	286	$3,590	324	$6,481	—	—	—	—	—	—
30	—	—	324	$4,186	—	—	—	—	—	—	—	—

* For Larger Ratings Not Shown, Refer To Hostile Duty.
* For Vector Duty With Encoder, Use Base List Price + Encoder Adder.
* 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-VFTM

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