

# Three Phase Modifiable NEMA<sup>®</sup> Horizontal Motors Totally Enclosed Fan Cooled (TEFC)



CTE

## World Motor - Hostile Duty Premium Efficient - IE3

- \* Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- \* IP54 Ingress Protection
- \* 1.15 Service Factor
- \* 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

- \* Lifting Provisions
- \* Regreasable Bearings On 250 Frame And Up
- \* Self-Certified Division 2
- \* Class 1, Group A/B/C/D, T3 T-Code
- \* Non-Vent (TENV) Available With Adder
- \* Air-Over (TEAO) Available With Deduct
- \* Multi-Speed Available With Adder
- \* Inverter Suitable (Reference Page iv)

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	\$513	143	\$461	143	\$588	145	\$840	—	—	—	—
0.33	143	\$513	143	\$461	143	\$588	145	\$840	—	—	—	—
0.5	143	\$513	143	\$461	143	\$588	145	\$840	—	—	—	—
0.75	143	\$513	143	\$461	143	\$588	145	\$840	—	—	—	—
1	143	\$513	143	\$461	145	\$588	182	\$840	213	\$1,013	215	\$1,316
1.5	143	\$513	145	\$492	182	\$662	184	\$1,025	213	\$1,236	254	\$1,624
2	145	\$533	145	\$541	184	\$755	213	\$1,045	215	\$1,426	256	\$1,818
3	182	\$619	182	\$590	213	\$940	215	\$1,457	254	\$1,949	284	\$2,435
5	184	\$734	184	\$673	215	\$1,213	254	\$1,899	256	\$2,417	286	\$3,497
7.5	213	\$955	213	\$917	254	\$1,629	256	\$2,476	284	\$3,268	324	\$4,176
10	215	\$1,114	215	\$1,142	256	\$1,936	284	\$2,883	324	\$4,087	326	\$5,148
15	254	\$1,568	254	\$1,528	284	\$2,558	286	\$3,773	326	\$4,530	364	\$5,889
20	256	\$1,944	256	\$1,901	286	\$3,144	324	\$4,559	364	\$5,473	365	\$7,115
25	284	\$2,311	284	\$2,236	324	\$4,017	326	\$5,269	365	\$7,114	405	\$9,248
30	286	\$2,772	286	\$2,655	326	\$4,569	364	\$5,891	405	\$7,953	405	\$10,339
40	324	\$3,268	324	\$3,169	364	\$5,062	365	\$7,340	405	\$9,909	445	\$12,882
50	326	\$4,379	326	\$3,934	365	\$6,295	404	\$9,128	445	\$12,322	445	\$16,019
60	364	\$5,631	364	\$5,504	404	\$7,406	405	\$9,998	445	\$13,497	447	\$17,547
75	365	\$7,251	365	\$6,720	405	\$8,811	444	\$11,895	447	\$16,058	—	—
100	405	\$9,720	405	\$8,811	444	\$11,829	445	\$15,969	—	—	—	—
125	444	\$12,171	444	\$11,431	445	\$14,691	447	\$19,833	—	—	—	—
150	445	\$15,429	445	\$13,766	447	\$16,800	—	—	—	—	—	—
200	447	\$21,086	447	\$17,829	449	\$22,199	—	—	—	—	—	—
250	449	\$25,810	449	\$22,927	—	—	—	—	—	—	—	—
300	449	\$30,857	449	\$26,488	—	—	—	—	—	—	—	—
350	—	—	449	\$28,878	—	—	—	—	—	—	—	—

\* 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<sup>®</sup> Horizontal Motors Totally Enclosed Fan Cooled (TEFC)

Cannot Be Used For Motors Covered by IHP Motor Final Rule 2016



FCT

## World Motor - Hostile Duty Energy Efficient - IE2

- \* Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- \* IP54 Ingress Protection
- \* 1.15 Service Factor
- \* 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

- \* Lifting Provisions
- \* Regreasable Bearings On 250 Frame And Up
- \* Self-Certified Division 2
- \* Class 1, Group A/B/C/D, T3 T-Code
- \* Non-Vent (TENV) Available With Adder
- \* Air-Over (TEAO) Available With Deduct
- \* Multi-Speed 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	\$462	143	\$415	143	\$529	145	\$756	—	—	—	—
0.33	143	\$462	143	\$415	143	\$529	145	\$756	—	—	—	—
0.5	143	\$462	143	\$415	143	\$529	145	\$756	—	—	—	—
0.75	143	\$462	143	\$415	143	\$529	145	\$756	—	—	—	—
1	143	\$462	143	\$415	145	\$529	182	\$756	—	—	—	—
1.5	143	\$462	145	\$443	182	\$596	184	\$923	—	—	—	—
2	145	\$480	145	\$487	184	\$680	213	\$941	—	—	—	—
3	182	\$557	182	\$531	213	\$846	215	\$1,311	—	—	—	—
5	184	\$661	184	\$606	215	\$1,092	254	\$1,709	—	—	—	—
7.5	213	\$860	213	\$825	254	\$1,466	256	\$2,228	—	—	—	—
10	215	\$1,003	215	\$1,028	256	\$1,742	284	\$2,595	—	—	—	—
15	254	\$1,411	254	\$1,375	284	\$2,302	286	\$3,396	—	—	—	—
20	256	\$1,750	256	\$1,711	286	\$2,830	324	\$4,331	—	—	—	—
25	284	\$2,080	284	\$2,012	324	\$3,816	326	\$5,005	—	—	—	—
30	286	\$2,495	286	\$2,390	326	\$4,341	364	\$5,597	—	—	—	—
40	324	\$3,104	324	\$3,010	364	\$4,809	365	\$6,972	—	—	—	—
50	326	\$4,160	326	\$3,736	365	\$5,980	404	\$8,671	—	—	—	—
60	364	\$5,349	364	\$5,229	404	\$7,035	405	\$9,497	—	—	—	—
75	365	\$6,888	365	\$6,383	405	\$8,370	444	\$11,300	—	—	—	—
100	405	\$9,233	405	\$8,370	444	\$11,237	445	\$15,171	—	—	—	—
125	444	\$11,562	444	\$10,859	445	\$13,956	447	\$18,841	—	—	—	—
150	445	\$14,657	445	\$13,077	447	\$15,960	—	—	—	—	—	—
200	447	\$20,031	447	\$16,937	449	\$21,089	—	—	—	—	—	—
250	449	\$24,520	449	\$21,780	—	—	—	—	—	—	—	—
300	449	\$29,314	449	\$25,163	—	—	—	—	—	—	—	—
350	—	—	449	\$27,434	—	—	—	—	—	—	—	—

\* 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<sup>®</sup> Horizontal Motors Totally Enclosed Fan Cooled (TEFC)

Cannot Be Used For Motors Covered by IHP Motor Final Rule 2016



CT

## World Motor - Hostile Duty Standard Efficient - IE1

- \* Class F Insulation, Class B Rise At Full Load On  
60 Hertz Sine Wave Power
- \* IP54 Ingress Protection
- \* 1.15 Service Factor
- \* 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

- \* Lifting Provisions
- \* Regreasable Bearings On 250 Frame And Up
- \* Self-Certified Division 2
- \* Class 1, Group A/B/C/D, T3 T-Code
- \* Non-Vent (TENV) Available With Adder
- \* Air-Over (TEAO) Available With Deduct
- \* Multi-Speed 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	\$410	143	\$369	143	\$470	145	\$672	—	—	—	—
0.33	143	\$410	143	\$369	143	\$470	145	\$672	—	—	—	—
0.5	143	\$410	143	\$369	143	\$470	145	\$672	—	—	—	—
0.75	143	\$410	143	\$369	143	\$470	145	\$672	—	—	—	—
1	143	\$410	143	\$369	145	\$470	182	\$672	213	\$810	215	\$1,053
1.5	143	\$410	145	\$394	182	\$530	184	\$820	213	\$989	254	\$1,299
2	145	\$426	145	\$433	184	\$604	213	\$836	215	\$1,141	256	\$1,454
3	182	\$495	182	\$472	213	\$752	215	\$1,166	254	\$1,559	284	\$1,948
5	184	\$587	184	\$538	215	\$970	254	\$1,519	256	\$1,934	286	\$2,798
7.5	213	\$764	213	\$734	254	\$1,303	256	\$1,981	284	\$2,614	324	\$3,758
10	215	\$891	215	\$914	256	\$1,549	284	\$2,306	324	\$3,678	326	\$4,633
15	254	\$1,254	254	\$1,222	284	\$2,046	286	\$3,018	326	\$4,077	364	\$5,300
20	256	\$1,555	256	\$1,521	286	\$2,515	324	\$4,103	364	\$4,925	365	\$6,404
25	284	\$1,849	284	\$1,789	324	\$3,615	326	\$4,742	365	\$6,401	405	\$8,322
30	286	\$2,218	286	\$2,124	326	\$4,112	364	\$5,302	405	\$7,157	405	\$9,305
40	324	\$2,941	324	\$2,852	364	\$4,555	365	\$6,606	405	\$8,917	445	\$11,593
50	326	\$3,941	326	\$3,540	365	\$5,665	404	\$8,214	445	\$11,090	445	\$14,417
60	364	\$5,067	364	\$4,954	404	\$6,665	405	\$8,998	445	\$12,147	447	\$15,792
75	365	\$6,526	365	\$6,048	405	\$7,929	444	\$10,705	447	\$14,452	—	—
100	405	\$8,747	405	\$7,929	444	\$10,645	445	\$14,372	—	—	—	—
125	444	\$10,954	444	\$10,288	445	\$13,222	447	\$17,849	—	—	—	—
150	445	\$13,886	445	\$12,389	447	\$15,120	—	—	—	—	—	—
200	447	\$18,977	447	\$16,046	449	\$19,979	—	—	—	—	—	—
250	449	\$23,229	449	\$20,634	—	—	—	—	—	—	—	—
300	449	\$27,771	449	\$23,839	—	—	—	—	—	—	—	—
350	—	—	449	\$25,990	—	—	—	—	—	—	—	—

DISCOUNT SYMBOL: DS-HDMW

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



# Three Phase Modifiable NEMA<sup>®</sup> Horizontal Motors Totally Enclosed Fan Cooled (TEFC)



CTE

## Hostile Duty Premium Efficient - IE3

- \* Class F Insulation, Class B Rise At Full Load On  
60 Hertz Sine Wave Power
- \* 1.15 Service Factor
- \* Cast Iron Frame Construction (140: Rolled Steel)
- \* Cast Iron End Brackets
- \* 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
- \* Regreasable Bearings On 250 Frame And Up
- \* Self-Certified Division 2 Available With Adder
- \* Non-Vent (TENV) Available With Adder
- \* Air-Over (TEAO) Available With Deduct
- \* Multi-Speed Available With Adder
- \* Inverter Suitable (Reference Page iv)

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	\$574	143	\$498	143	\$677	145	\$1,049	—	—	—	—
0.33	143	\$574	143	\$498	143	\$677	145	\$1,049	—	—	—	—
0.5	143	\$574	143	\$498	143	\$677	145	\$1,049	—	—	—	—
0.75	143	\$574	143	\$498	143	\$677	145	\$1,049	—	—	—	—
1	143	\$574	143	\$498	145	\$677	182	\$1,049	213	\$1,416	215	\$1,841
1.5	143	\$574	145	\$552	182	\$751	184	\$1,164	213	\$1,571	254	\$2,043
2	145	\$682	145	\$605	184	\$836	213	\$1,296	215	\$1,750	256	\$2,274
3	182	\$767	182	\$678	213	\$1,036	215	\$1,606	254	\$2,168	284	\$2,819
5	184	\$962	184	\$788	215	\$1,483	254	\$2,299	256	\$3,104	286	\$4,035
7.5	213	\$1,192	213	\$1,078	254	\$1,979	256	\$3,067	284	\$4,140	324	\$5,383
10	215	\$1,397	215	\$1,302	256	\$2,390	284	\$3,693	324	\$4,986	326	\$6,481
15	254	\$1,999	254	\$1,798	284	\$3,331	286	\$4,938	326	\$6,666	364	\$8,666
20	256	\$2,475	256	\$2,216	286	\$4,035	324	\$5,844	364	\$7,889	365	\$10,256
25	284	\$3,036	284	\$2,659	324	\$4,801	326	\$6,923	365	\$9,346	405	\$12,150
30	286	\$3,560	286	\$3,101	326	\$5,665	364	\$7,970	405	\$10,760	405	\$13,987
40	324	\$4,600	324	\$4,049	364	\$7,630	365	\$9,873	405	\$13,329	445	\$17,327
50	326	\$5,919	326	\$4,971	365	\$8,790	404	\$12,697	445	\$17,141	445	\$22,283
60	364	\$7,901	364	\$7,228	404	\$10,356	405	\$14,652	445	\$19,780	447	\$25,714
75	365	\$9,923	365	\$9,193	405	\$12,210	444	\$16,239	447	\$21,923	—	—
100	405	\$13,296	405	\$11,329	444	\$16,718	445	\$22,950	—	—	—	—
125	444	\$16,545	444	\$14,102	445	\$19,123	447	\$25,055	—	—	—	—
150	445	\$20,361	445	\$16,738	447	\$21,964	—	—	—	—	—	—
200	447	\$25,731	447	\$20,393	—	—	—	—	—	—	—	—

\* 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-3MET

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



# Three Phase Modifiable NEMA<sup>®</sup> Horizontal Motors Totally Enclosed Fan Cooled (TEFC)

Cannot Be Used For Motors Covered by IHP Motor Final Rule 2016



FCT

## Hostile Duty Energy Efficient

- \* Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- \* 1.15 Service Factor
- \* Cast Iron Frame Construction (140: Rolled Steel)
- \* Cast Iron End Brackets
- \* 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
- \* Regreasable Bearings On 250 Frame And Up
- \* Self-Certified Division 2 Available With Adder
- \* Non-Vent (TENV) Available With Adder
- \* Air-Over (TEAO) Available With Deduct
- \* Multi-Speed 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	\$517	143	\$448	143	\$609	145	\$944	—	—	—	—
0.33	143	\$517	143	\$448	143	\$609	145	\$944	—	—	—	—
0.5	143	\$517	143	\$448	143	\$609	145	\$944	—	—	—	—
0.75	143	\$517	143	\$448	143	\$609	145	\$944	—	—	—	—
1	143	\$517	143	\$448	145	\$609	182	\$944	—	—	—	—
1.5	143	\$517	145	\$497	182	\$676	184	\$1,048	—	—	—	—
2	145	\$614	145	\$545	184	\$752	213	\$1,166	—	—	—	—
3	182	\$690	182	\$610	213	\$932	215	\$1,445	—	—	—	—
5	184	\$866	184	\$709	215	\$1,335	254	\$2,069	—	—	—	—
7.5	213	\$1,073	213	\$970	254	\$1,781	256	\$2,760	—	—	—	—
10	215	\$1,257	215	\$1,172	256	\$2,151	284	\$3,324	—	—	—	—
15	254	\$1,799	254	\$1,618	284	\$2,998	286	\$4,444	—	—	—	—
20	256	\$2,228	256	\$1,994	286	\$3,632	324	\$5,552	—	—	—	—
25	284	\$2,732	284	\$2,393	324	\$4,561	326	\$6,577	—	—	—	—
30	286	\$3,204	286	\$2,791	326	\$5,382	364	\$7,572	—	—	—	—
40	324	\$4,370	324	\$3,847	364	\$7,249	365	\$9,379	—	—	—	—
50	326	\$5,623	326	\$4,722	365	\$8,351	404	\$12,062	—	—	—	—
60	364	\$7,506	364	\$6,867	404	\$9,838	405	\$13,919	—	—	—	—
75	365	\$9,427	365	\$8,733	405	\$11,600	444	\$15,427	—	—	—	—
100	405	\$12,631	405	\$10,763	444	\$15,882	445	\$21,803	—	—	—	—
125	444	\$15,718	444	\$13,397	445	\$18,167	447	\$23,802	—	—	—	—
150	445	\$19,343	445	\$15,901	447	\$20,866	—	—	—	—	—	—
200	447	\$24,444	447	\$19,373	—	—	—	—	—	—	—	—

\* 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)

\* For 600 RPM, Use Standard Efficiency Or Premium Efficiency.

DISCOUNT SYMBOL: DS-3FM

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



# Three Phase Modifiable NEMA<sup>®†</sup> Horizontal Motors Totally Enclosed Fan Cooled (TEFC)

Cannot Be Used For Motors Covered by IHP Motor Final Rule 2016



CT

## Hostile Duty Standard Efficient

- \* Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- \* 1.15 Service Factor
- \* Cast Iron Frame Construction (140: Rolled Steel)
- \* Cast Iron End Brackets
- \* 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
- \* Regreasable Bearings On 250 Frame And Up
- \* Self-Certified Division 2 Available With Adder
- \* Non-Vent (TENV) Available With Adder
- \* Air-Over (TEAO) Available With Deduct
- \* Multi-Speed 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	\$459	143	\$398	143	\$542	145	\$839	—	—	—	—
0.33	143	\$459	143	\$398	143	\$542	145	\$839	—	—	—	—
0.5	143	\$459	143	\$398	143	\$542	145	\$839	—	—	—	—
0.75	143	\$459	143	\$398	143	\$542	145	\$839	—	—	—	—
1	143	\$459	143	\$398	145	\$542	182	\$839	213	\$1,133	215	\$1,473
1.5	143	\$459	145	\$442	182	\$601	184	\$931	213	\$1,257	254	\$1,634
2	145	\$546	145	\$484	184	\$669	213	\$1,037	215	\$1,400	256	\$1,820
3	182	\$614	182	\$542	213	\$829	215	\$1,285	254	\$1,734	284	\$2,255
5	184	\$770	184	\$630	215	\$1,186	254	\$1,839	256	\$2,483	286	\$3,228
7.5	213	\$954	213	\$862	254	\$1,583	256	\$2,454	284	\$3,312	324	\$4,844
10	215	\$1,118	215	\$1,042	256	\$1,912	284	\$2,954	324	\$4,487	326	\$5,833
15	254	\$1,599	254	\$1,438	284	\$2,665	286	\$3,950	326	\$6,000	364	\$7,800
20	256	\$1,980	256	\$1,773	286	\$3,228	324	\$5,260	364	\$7,100	365	\$9,231
25	284	\$2,429	284	\$2,127	324	\$4,321	326	\$6,231	365	\$8,411	405	\$10,935
30	286	\$2,848	286	\$2,481	326	\$5,099	364	\$7,173	405	\$9,684	405	\$12,589
40	324	\$4,140	324	\$3,644	364	\$6,867	365	\$8,886	405	\$11,996	445	\$15,594
50	326	\$5,327	326	\$4,474	365	\$7,911	404	\$11,427	445	\$15,427	445	\$20,055
60	364	\$7,111	364	\$6,505	404	\$9,320	405	\$13,187	445	\$17,802	447	\$23,143
75	365	\$8,931	365	\$8,274	405	\$10,989	444	\$14,615	447	\$19,731	—	—
100	405	\$11,966	405	\$10,196	444	\$15,046	445	\$20,655	—	—	—	—
125	444	\$14,891	444	\$12,692	445	\$17,211	447	\$22,550	—	—	—	—
150	445	\$18,325	445	\$15,064	447	\$19,768	—	—	—	—	—	—
200	447	\$23,158	447	\$18,354	—	—	—	—	—	—	—	—

DISCOUNT SYMBOL: DS-3FM

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

