

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



CE

World Motor - 841 PLUS[®] Premium Efficient - IE3 Meets IEEE 841[™] Standard-2009

* Class F Insulation, Class B Rise At Full Load On
60 Hertz Sine Wave Power

* Inverter Grade[®] Insulation System (Meets NEMA^{®†} MG-1 Part 31)

* IP55 Ingress Protection

* 1.15 Service Factor, Precision Balance (.05 ips)

* All Cast Iron Construction

* Corrosion Resistant Mill And Chemical Duty Paint

* Stainless Steel Nameplate And Zinc Plated Hardware

* VBXX^{®†} Bearing Isolators By Inpro/Seal^{®†} On Both Ends

* Insulife-2000 Insulation Treatment

* Stainless Breather Drains And Lead Positioning Gasket

* Ground Lug In Conduit Box And Ground Bolt On Frame

* Lifting Provisions And Regreasable Bearings

* Self-Certified Division 2

* Class 1, Group A/B/C/D, T3 T-Code

* Cast Iron Bearing Caps

* Inverter Duty Winding

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	\$739	143	\$663	143	\$846	145	\$1,159	—	—	—	—
0.33	143	\$739	143	\$663	143	\$846	145	\$1,159	—	—	—	—
0.5	143	\$739	143	\$663	143	\$846	145	\$1,159	—	—	—	—
0.75	143	\$739	143	\$663	143	\$846	145	\$1,159	—	—	—	—
1	143	\$739	143	\$663	145	\$846	182	\$1,159	213	\$1,696	215	\$1,815
1.5	143	\$697	145	\$709	182	\$935	184	\$1,415	213	\$1,706	254	\$2,144
2	145	\$768	145	\$779	184	\$1,098	213	\$1,443	215	\$2,320	256	\$2,400
3	182	\$854	182	\$815	213	\$1,453	215	\$2,011	254	\$2,624	284	\$3,215
5	184	\$1,013	184	\$929	215	\$1,874	254	\$2,508	256	\$3,319	286	\$4,219
7.5	213	\$1,263	213	\$1,213	254	\$2,039	256	\$3,131	284	\$4,062	324	\$5,430
10	215	\$1,473	215	\$1,511	256	\$2,470	284	\$3,646	324	\$5,062	326	\$6,580
15	254	\$1,984	254	\$1,932	284	\$3,283	286	\$4,564	326	\$5,978	364	\$7,772
20	256	\$2,459	256	\$2,405	286	\$3,891	324	\$5,352	364	\$7,225	365	\$9,393
25	284	\$2,796	284	\$2,705	324	\$4,597	326	\$6,666	365	\$8,999	405	\$11,698
30	286	\$3,355	286	\$3,212	326	\$5,139	364	\$7,452	405	\$10,060	405	\$13,077
40	324	\$4,815	324	\$4,009	364	\$6,403	365	\$9,284	405	\$12,534	445	\$16,294
50	326	\$5,540	326	\$4,976	365	\$7,964	404	\$11,548	445	\$15,590	445	\$20,266
60	364	\$7,123	364	\$6,876	404	\$9,369	405	\$12,648	445	\$17,075	447	\$22,198
75	365	\$9,172	365	\$8,501	405	\$11,146	444	\$15,047	447	\$20,314	—	—
100	405	\$12,296	405	\$11,146	444	\$13,923	445	\$18,796	—	—	—	—
125	444	\$14,325	444	\$13,454	445	\$17,291	447	\$23,343	—	—	—	—
150	445	\$18,160	445	\$16,203	447	\$19,774	—	—	—	—	—	—
200	447	\$24,818	447	\$20,985	449	\$26,128	—	—	—	—	—	—
250	449	\$30,379	449	\$26,985	—	—	—	—	—	—	—	—
300	449	\$36,319	449	\$31,176	—	—	—	—	—	—	—	—

* 50 Hertz 841 PLUS[®] Motors Require Special Tagging. Make Adder For Special I.D. Nameplate.

* 720 & 600 RPM 841 PLUS[®] Motors are outside the scope of IEEE 841-2009 and will be marked "Meets intent of IEEE 841".

* Designed To Meet The GM7E-TA Specification.

* 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-841MW

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



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841 PLUS[®] Premium Efficient - IE3 Meets IEEE 841[™] Standard-2009

- * Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- * 1.15 Service Factor, Precision Balance (.05 ips)
- * All Cast Iron Construction (140: Steel Mounting Base)
- * Corrosion Resistant Mill And Chemical Duty Paint
- * Stainless Steel Nameplate And Zinc Plated Hardware
- * VBXX[®] Bearing Isolators By Inpro/Seal[®] On Both Ends For IP55 Protection
- * Insulife-2000 Insulation Treatment
- * Drains/Breathers And Lead Positioning Gasket
- * Ground Lug In Conduit Box And Ground Bolt On Frame
- * Lifting Provisions And Regreasable Bearings On 180 Frame And Up
- * Self-Certified Division 2 Available With Adder
- * Close Coupled Pump (CCP) 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	\$878	143	\$788	143	\$1,071	145	\$1,499	—	—	—	—
0.33	143	\$878	143	\$788	143	\$1,071	145	\$1,499	—	—	—	—
0.5	143	\$878	143	\$788	143	\$1,071	145	\$1,499	—	—	—	—
0.75	143	\$878	143	\$788	143	\$1,071	145	\$1,499	—	—	—	—
1	143	\$878	143	\$788	145	\$1,071	182	\$1,657	213	\$2,238	215	\$2,909
1.5	143	\$878	145	\$844	182	\$1,148	184	\$1,781	213	\$2,404	254	\$3,126
2	145	\$1,026	145	\$910	184	\$1,257	213	\$1,944	215	\$2,624	256	\$3,412
3	182	\$1,099	182	\$971	213	\$1,483	215	\$2,297	254	\$3,100	284	\$4,030
5	184	\$1,367	184	\$1,119	215	\$2,106	254	\$3,265	256	\$4,407	286	\$5,729
7.5	213	\$1,589	213	\$1,437	254	\$2,638	256	\$4,079	284	\$5,507	324	\$7,159
10	215	\$1,849	215	\$1,724	256	\$3,164	284	\$4,875	324	\$6,581	326	\$8,555
15	254	\$2,565	254	\$2,307	284	\$4,273	286	\$6,321	326	\$8,533	364	\$11,093
20	256	\$3,286	256	\$2,943	286	\$5,357	324	\$7,773	364	\$10,493	365	\$13,641
25	284	\$3,707	284	\$3,247	324	\$5,863	326	\$8,446	365	\$11,402	405	\$14,823
30	286	\$4,243	286	\$3,696	326	\$6,751	364	\$9,484	405	\$12,804	405	\$16,645
40	324	\$5,599	324	\$4,928	364	\$9,286	365	\$12,045	405	\$16,261	445	\$21,139
50	326	\$7,203	326	\$6,050	365	\$10,698	404	\$15,490	445	\$20,912	445	\$27,186
60	364	\$9,416	364	\$8,614	404	\$12,342	405	\$17,436	445	\$23,538	447	\$30,600
75	365	\$11,597	365	\$10,739	405	\$14,263	444	\$19,325	447	\$26,088	—	—
100	405	\$15,763	405	\$13,431	444	\$19,820	445	\$27,311	—	—	—	—
125	444	\$19,697	444	\$16,789	445	\$22,767	447	\$29,815	—	—	—	—
150	445	\$24,508	445	\$20,147	447	\$26,437	—	—	—	—	—	—
200	447	\$29,692	447	\$24,882	—	—	—	—	—	—	—	—

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