

# Pricing Guide for SMART-Ship Above NEMA Motors – Rev. 0

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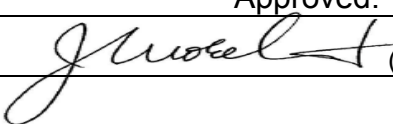
**SIEMENS**

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### Revision Record

Rev. No.	Section	Page	Date	Description
0	All	All	02/11	NEW

All information in this guide is subject to change without notice.

Rev. No.	Approved:	Title	Date
0	 (Joseph Moreland)	Marketing Manager	2/1/2011

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

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### General Information

Siemens AboveNEMA SMART-Ship program provides shortened lead-times for a wide range of horsepower ratings, enclosures and modifications. These select motors can ship in accordance with the delivery schedule shown below.

**HP:** 200 to 2500

**Frames:** 500 & 580

**Enclosures:**

- ODP (Open Dripproof)
- WPI (Weather-Protected Type I)
- WPIL (Weather-Protected Type II)
- TEFC (Totally-Enclosed Fan-Cooled)

**Speeds:** 3600, 1800, 1200, 900 RPM

**Voltages:** 3 Phase, 60 Hertz – 460 / 2300 / 4000 V

**Motor Features:**

- Horizontal, foot-mounted, F-1 Assembly
- 40°C ambient
- 3300 feet altitude (1000 meters) or less
- 1.15 Service Factor
- Class F insulation
- Maximum temperature rise of 80°C by resistance at 1.0 Service Factor
- Minimum 90% voltage across-the-line start
- Short shaft extension for direct connection to a typical centrifugal load with a load inertia less than or equal to NEMA

See **Modifications** section for 50 Hertz frequency, other voltages, accessories, and other available options. All modifications are Siemens standard supplier only.

**Shipment Schedule:**

SMART-Ship Lead Time (working days*)		
Motor Frame Size (series)	Category 1	Category 2
500	45	55
580	55	65

\*The listed Lead Times are stated in "Working Days" after receipt of a completed order entry form at the Norwood plant and the customer's release to manufacture. "Working Days" are defined in the Working Days Calendar located elsewhere in this document. The actual ship date will be determined after review and acceptance of the order by the factory. Time for drawing approval is NOT included.

Each motor rating and modification is assigned a Category Number. The highest Category Number will dictate the applicable lead time of the motor **except** for the Modification "S03 Paint System – Harsh Duty" which, if selected, will add five (5) additional days to the above Lead Time table.

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**Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211**

**ODP ENCLOSURE  
 60 Hertz – 460 Volt**

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
200	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$42,091	1
200	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$38,105	1
200	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$39,301	1
200	900	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$41,071	1
250	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$42,764	1
250	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$39,301	1
250	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$41,071	1
250	900	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$43,165	1
300	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$42,625	1
300	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$39,889	1
300	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$43,165	1
300	900	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$46,684	1
350	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$43,285	1
350	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$41,071	1
350	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$44,929	1
350	900	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$49,201	1
400	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$44,454	1
400	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$43,165	1
400	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,602	1
400	900	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$56,410	1
450	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$45,142	1
450	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$43,811	1
450	1200	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$53,478	1
450	900	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$60,189	1
500	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$48,439	1
500	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$44,929	1
500	1200	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$56,832	1
500	900	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$69,643	1
600	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$49,189	1
600	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$46,684	1
600	1200	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$58,513	1
600	900	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$72,302	1
700	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$52,430	1
700	1800	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$53,478	1
700	1200	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$69,643	1
700	900	460	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$88,314	1
800	3600	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$60,143	1
800	1800	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$55,153	1
800	1200	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$72,302	1
800	900	460	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$91,848	1

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### ODP ENCLOSURE 60 Hertz – 2300 Volt

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
200	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$43,497	1
200	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$40,136	1
200	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$40,136	1
200	900	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$41,903	1
250	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$44,170	1
250	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$40,737	1
250	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$41,903	1
250	900	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,764	1
300	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$44,865	1
300	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$41,903	1
300	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$43,997	1
300	900	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$50,044	1
350	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$45,581	1
350	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$43,997	1
350	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,764	1
350	900	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$59,351	1
400	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$46,402	1
400	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$44,656	1
400	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$47,531	1
400	900	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$61,032	1
450	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$47,121	1
450	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,764	1
450	1200	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$54,319	1
450	900	2300	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$71,049	1
500	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$47,862	1
500	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$46,449	1
500	1200	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$57,501	1
500	900	2300	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$73,159	1
600	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$49,308	1
600	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$47,531	1
600	1200	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$59,351	1
600	900	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$88,674	1
700	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$50,071	1
700	1800	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$55,858	1
700	1200	2300	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$73,159	1
700	900	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$91,951	1
800	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$53,293	1
800	1800	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$59,351	1
800	1200	2300	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$74,291	1
800	900	2300	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$107,878	2
900	3600	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$61,009	1
900	1800	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$60,240	1
900	1200	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$79,308	1
900	900	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$122,226	2
1000	3600	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$63,921	1
1000	1800	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$75,607	1
1000	1200	2300	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$107,878	2
1000	900	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$132,317	2

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### ODP ENCLOSURE 60 Hertz – 2300 Volt

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
1250	3600	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$69,726	1
1250	1800	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$88,674	1
1250	1200	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$122,226	2
1500	3600	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$86,324	1
1500	1800	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$91,951	1
1500	1200	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$132,317	2
1750	3600	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$87,690	1
1750	1800	2300	5812	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$104,192	1
2000	3600	2300	5810	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CG	\$96,087	1
2000	1800	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$131,979	2
2250	3600	2300	5812	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CG	\$114,733	1
2500	3600	2300	5812	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CG	\$122,284	1

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### ODP ENCLOSURE 60 Hertz - 4000 Volt

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
200	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$44,799	1
200	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$41,401	1
200	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$41,401	1
200	900	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,257	1
250	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$45,492	1
250	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$42,021	1
250	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$43,165	1
250	900	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$48,788	1
300	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$46,208	1
300	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$43,165	1
300	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,257	1
300	900	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$57,118	1
350	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$46,946	1
350	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,257	1
350	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$47,027	1
350	900	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$60,608	1
400	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$47,701	1
400	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,934	1
400	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$48,788	1
400	900	4000	5010	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$75,133	2
450	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$48,440	1
450	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$47,027	1
450	1200	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$55,575	1
450	900	4000	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$72,247	1
500	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$49,201	1
500	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$47,731	1
500	1200	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$58,932	1
500	900	4000	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$75,098	1
600	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$50,610	1
600	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$48,788	1
600	1200	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$60,608	1
600	900	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$90,604	1
700	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$51,393	1
700	1800	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$57,118	1
700	1200	4000	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$75,098	1
700	900	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$93,070	1
800	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$54,595	1
800	1800	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$60,608	1
800	1200	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$79,875	1
800	900	4000	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$108,997	2
900	3600	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$62,308	1
900	1800	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$61,515	1
900	1200	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$90,604	1
900	900	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$123,348	2
1000	3600	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$65,216	1
1000	1800	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$76,662	1
1000	1200	4000	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$108,997	2
1000	900	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$133,436	2

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### ODP ENCLOSURE 60 Hertz – 4000 Volt

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
1250	3600	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$71,024	1
1250	1800	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$90,604	1
1250	1200	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$123,348	2
1500	3600	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$89,037	1
1500	1800	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$93,070	1
1500	1200	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$133,436	2
1750	3600	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$90,446	1
1750	1800	4000	5812	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$110,915	1
2000	3600	4000	5810	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CG	\$98,888	1
2000	1800	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$133,104	2
2250	3600	4000	5812	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CG	\$126,219	1
2500	3600	4000	5812	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CG	\$128,105	1



**Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211**

**WPI ENCLOSURE  
60 Hertz – 460 Volt**

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
200	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$42,764	1
200	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$38,746	1
200	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$39,932	1
200	900	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$41,702	1
250	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$43,447	1
250	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$39,932	1
250	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$41,702	1
250	900	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$43,796	1
300	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$43,277	1
300	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$40,530	1
300	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$43,796	1
300	900	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$47,316	1
350	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$43,947	1
350	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$41,702	1
350	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,560	1
350	900	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$49,832	1
400	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$45,107	1
400	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$43,796	1
400	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$46,243	1
400	900	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$57,041	1
450	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$45,805	1
450	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$44,452	1
450	1200	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$54,109	1
450	900	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$60,820	1
500	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$49,091	1
500	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,560	1
500	1200	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$57,463	1
500	900	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$70,994	1
600	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$49,851	1
600	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$47,316	1
600	1200	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$59,145	1
600	900	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$73,652	1
700	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$53,082	1
700	1800	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$54,109	1
700	1200	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$70,994	1
700	900	460	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$89,665	1
800	3600	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$60,796	1
800	1800	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$55,785	1
800	1200	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$73,652	1
800	900	460	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$93,198	1

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### WPI ENCLOSURE 60 Hertz - 2300 Volt

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
200	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$44,149	1
200	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$40,767	1
200	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$40,767	1
200	900	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$42,534	1
250	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$44,833	1
250	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$41,377	1
250	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$42,534	1
250	900	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$46,395	1
300	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$45,538	1
300	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$42,534	1
300	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$44,628	1
300	900	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$50,676	1
350	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$46,265	1
350	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$44,628	1
350	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$46,395	1
350	900	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$59,982	1
400	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$47,055	1
400	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,296	1
400	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$48,162	1
400	900	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$61,664	1
450	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$47,783	1
450	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$46,395	1
450	1200	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$54,950	1
450	900	2300	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$72,399	1
500	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$48,535	1
500	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$47,090	1
500	1200	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$58,133	1
500	900	2300	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$74,509	1
600	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$49,960	1
600	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$48,162	1
600	1200	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$59,982	1
600	900	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$90,024	1
700	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$50,734	1
700	1800	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$56,490	1
700	1200	2300	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$74,509	1
700	900	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$93,302	1
800	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$53,945	1
800	1800	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$59,982	1
800	1200	2300	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$75,663	1
800	900	2300	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$109,229	2
900	3600	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$61,662	1
900	1800	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$60,880	1
900	1200	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$80,659	1
900	900	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$123,576	2
1000	3600	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$64,573	1
1000	1800	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$76,957	1
1000	1200	2300	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$109,229	2
1000	900	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$133,668	2

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### WPI ENCLOSURE 60 Hertz – 2300 Volt

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
1250	3600	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$70,378	1
1250	1800	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$90,024	1
1250	1200	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$123,576	2
1500	3600	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$87,704	1
1500	1800	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$93,302	1
1500	1200	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$133,668	2
1750	3600	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$89,092	1
1750	1800	2300	5812	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$105,543	1
2000	3600	2300	5810	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CG	\$97,512	1
2000	1800	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$133,329	2
2250	3600	2300	5812	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CG	\$116,113	1
2500	3600	2300	5812	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CG	\$123,664	1

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### WPI ENCLOSURE 60 Hertz – 4000 Volt

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
200	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$45,451	1
200	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$42,032	1
200	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$42,032	1
200	900	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,888	1
250	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$46,155	1
250	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$42,662	1
250	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$43,796	1
250	900	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$49,419	1
300	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$46,881	1
300	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$43,796	1
300	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,888	1
300	900	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$57,749	1
350	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$47,629	1
350	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$45,888	1
350	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$47,658	1
350	900	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$61,239	1
400	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$48,354	1
400	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$46,575	1
400	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$49,419	1
400	900	4000	5010	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$75,764	2
450	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$49,102	1
450	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$47,658	1
450	1200	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$56,206	1
450	900	4000	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$73,598	1
500	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$49,874	1
500	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$48,371	1
500	1200	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$59,563	1
500	900	4000	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$76,448	1
600	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$51,262	1
600	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$49,419	1
600	1200	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$61,239	1
600	900	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$91,954	1
700	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$52,056	1
700	1800	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$57,749	1
700	1200	4000	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$76,448	1
700	900	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$94,421	1
800	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$55,247	1
800	1800	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$61,239	1
800	1200	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$81,226	1
800	900	4000	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$110,348	2
900	3600	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$62,960	1
900	1800	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$62,156	1
900	1200	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$91,954	1
900	900	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$124,698	2
1000	3600	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$65,869	1
1000	1800	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$78,012	1
1000	1200	4000	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$110,348	2
1000	900	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$134,787	2

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### WPI ENCLOSURE 60 Hertz – 4000 Volt

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
1250	3600	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$71,677	1
1250	1800	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$91,954	1
1250	1200	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$124,698	2
1500	3600	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$90,417	1
1500	1800	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$94,421	1
1500	1200	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$134,787	2
1750	3600	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CG	\$91,848	1
1750	1800	4000	5812	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CG	\$112,265	1
2000	3600	4000	5810	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CG	\$100,312	1
2000	1800	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CG	\$134,454	2
2250	3600	4000	5812	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CG	\$127,599	1
2500	3600	4000	5812	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CG	\$129,507	1

**Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211**

**WPII ENCLOSURE  
 60 Hertz – 460 Volt**

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
200	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$46,566	1
200	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$42,365	1
200	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$43,499	1
200	900	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$45,268	1
250	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$47,310	1
250	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$43,499	1
250	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$45,268	1
250	900	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$47,363	1
300	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$46,963	1
300	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$44,150	1
300	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$47,363	1
300	900	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$50,882	1
350	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$47,690	1
350	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$45,268	1
350	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$49,127	1
350	900	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$53,398	1
400	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$48,793	1
400	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$47,363	1
400	1200	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$49,862	1
400	900	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$60,608	1
450	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$49,548	1
450	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$48,072	1
450	1200	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$57,676	1
450	900	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$64,386	1
500	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$52,777	1
500	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$49,127	1
500	1200	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$61,029	1
500	900	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$75,927	1
600	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$53,594	1
600	1800	460	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$50,882	1
600	1200	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$62,711	1
600	900	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$78,585	1
700	3600	460	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$56,768	1
700	1800	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$57,676	1
700	1200	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$75,927	1
700	900	460	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$94,598	1
800	3600	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$64,482	1
800	1800	460	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$59,351	1
800	1200	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$78,585	1
800	900	460	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$98,131	1

**Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211**

**WPII ENCLOSURE  
60 Hertz – 2300 Volt**

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
200	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$47,835	1
200	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$44,333	1
200	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$44,333	1
200	900	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$46,100	1
250	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$48,576	1
250	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$44,997	1
250	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$46,100	1
250	900	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$49,962	1
300	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$49,340	1
300	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$46,100	1
300	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$48,195	1
300	900	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$54,242	1
350	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$50,128	1
350	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$48,195	1
350	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$49,962	1
350	900	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$63,549	1
400	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$50,741	1
400	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$48,916	1
400	1200	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$51,729	1
400	900	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$65,230	1
450	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$51,526	1
450	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$49,962	1
450	1200	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$58,516	1
450	900	2300	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$77,332	1
500	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$52,336	1
500	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$50,710	1
500	1200	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$61,699	1
500	900	2300	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$79,442	1
600	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$53,646	1
600	1800	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$51,729	1
600	1200	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$63,549	1
600	900	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$94,957	1
700	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$54,477	1
700	1800	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$60,056	1
700	1200	2300	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$79,442	1
700	900	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$98,235	1
800	3600	2300	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$57,631	1
800	1800	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$63,549	1
800	1200	2300	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$80,672	1
800	900	2300	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$114,162	2
900	3600	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$65,348	1
900	1800	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$64,500	1
900	1200	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$85,591	1
900	900	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$128,509	2
1000	3600	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$68,259	1
1000	1800	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$81,890	1
1000	1200	2300	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$114,162	2
1000	900	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$138,601	2

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### WPII ENCLOSURE 60 Hertz – 2300 Volt

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
1250	3600	2300	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$74,064	1
1250	1800	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$94,957	1
1250	1200	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$128,509	2
1500	3600	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$92,745	1
1500	1800	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$98,235	1
1500	1200	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$138,601	2
1750	3600	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$94,212	1
1750	1800	2300	5812	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$110,476	1
2000	3600	2300	5810	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CGII	\$102,714	1
2000	1800	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$138,262	2
2250	3600	2300	5812	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CGII	\$121,153	1
2500	3600	2300	5812	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CGII	\$128,705	1



**Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211**

**WPII ENCLOSURE  
60 Hertz – 4000 Volt**

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
200	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$49,137	1
200	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$45,599	1
200	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$45,599	1
200	900	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$49,454	1
250	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$49,898	1
250	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$46,281	1
250	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$47,363	1
250	900	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$52,985	1
300	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$50,682	1
300	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$47,363	1
300	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$49,454	1
300	900	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$61,316	1
350	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$51,492	1
350	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$49,454	1
350	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$51,224	1
350	900	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$64,805	1
400	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$52,040	1
400	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$50,195	1
400	1200	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$52,985	1
400	900	4000	5010	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$79,330	2
450	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$52,845	1
450	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$51,224	1
450	1200	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$59,773	1
450	900	4000	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$78,530	1
500	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$53,676	1
500	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$51,991	1
500	1200	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$63,130	1
500	900	4000	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$81,381	1
600	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$54,948	1
600	1800	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$52,985	1
600	1200	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$64,805	1
600	900	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$96,887	1
700	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$55,799	1
700	1800	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$61,316	1
700	1200	4000	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$81,381	1
700	900	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$99,354	1
800	3600	4000	508	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$58,933	1
800	1800	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$64,805	1
800	1200	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$86,159	1
800	900	4000	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$115,280	2
900	3600	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$66,646	1
900	1800	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$65,775	1
900	1200	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$96,887	1
900	900	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$129,631	2
1000	3600	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$69,555	1
1000	1800	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$82,945	1
1000	1200	4000	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$115,280	2
1000	900	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$139,720	2

**Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211**

**WPII ENCLOSURE  
 60 Hertz – 4000 Volt**

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
1250	3600	4000	5010	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$75,363	1
1250	1800	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$96,887	1
1250	1200	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$129,631	2
1500	3600	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$95,458	1
1500	1800	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$99,354	1
1500	1200	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$139,720	2
1750	3600	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CGII	\$96,968	1
1750	1800	4000	5812	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CGII	\$117,198	1
2000	3600	4000	5810	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CGII	\$105,515	1
2000	1800	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CGII	\$139,387	2
2250	3600	4000	5812	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CGII	\$132,639	1
2500	3600	4000	5812	Alum. Diecast	Sleeve - Oil Lube	Self	Uni-directional	CGII	\$134,627	1

**Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211**

**TEFC ENCLOSURE  
60 Hertz – 460 Volt**

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
200	900	460	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$50,991	1
250	1800	460	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$45,654	1
250	1200	460	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$48,027	1
250	900	460	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$57,424	1
300	3600	460	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$49,103	1
300	1800	460	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$47,383	1
300	1200	460	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$49,851	1
300	900	460	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$72,327	1
350	3600	460	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$50,972	1
350	1800	460	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$48,133	1
350	1200	460	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$57,424	1
350	900	460	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$77,180	1
400	3600	460	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$51,778	1
400	1800	460	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$50,593	1
400	1200	460	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$59,244	1
400	900	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$72,289	1
450	3600	460	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$52,835	1
450	1800	460	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$52,218	1
450	1200	460	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$72,327	1
450	900	460	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$86,071	1
500	3600	460	5011	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$58,925	1
500	1800	460	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$53,000	1
500	1200	460	588	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$72,289	1
500	900	460	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$118,425	2
600	3600	460	5011	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$62,657	1
600	1800	460	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$55,501	1
600	1200	460	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$86,071	1
600	900	460	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$129,074	2
700	3600	460	5013	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$77,433	1
700	1800	460	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$72,327	1
700	1200	460	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$121,979	2
800	1800	460	5013	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$88,080	2

**Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211**

**TEFC ENCLOSURE  
60 Hertz – 2300 Volt**

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
200	3600	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$48,131	1
200	1800	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$45,509	1
200	1200	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$47,195	1
200	900	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$51,879	1
250	3600	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$49,991	1
250	1800	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$46,545	1
250	1200	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$48,893	1
250	900	2300	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$60,110	1
300	3600	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$50,782	1
300	1800	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$48,274	1
300	1200	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$50,723	1
300	900	2300	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$73,254	1
350	3600	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$51,857	1
350	1800	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$49,038	1
350	1200	2300	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$58,287	1
350	900	2300	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$78,106	1
400	3600	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$52,677	1
400	1800	2300	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$51,431	1
400	1200	2300	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$60,110	1
400	900	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$88,826	1
450	3600	2300	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$53,720	1
450	1800	2300	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$53,059	1
450	1200	2300	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$73,254	1
450	900	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$90,156	1
500	3600	2300	5011	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$59,813	1
500	1800	2300	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$53,853	1
500	1200	2300	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$78,106	1
500	900	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$117,381	2
600	3600	2300	5011	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$63,545	1
600	1800	2300	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$56,339	1
600	1200	2300	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$88,826	1
600	900	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$131,587	2
700	3600	2300	5013	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$78,408	1
700	1800	2300	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$71,307	1
700	1200	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$124,478	2
800	3600	2300	5013	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$82,514	1
800	1800	2300	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$76,165	1
800	1200	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$131,587	2
900	3600	2300	5810	Copper Bar	Ball - Grease Lube	Self	Uni-directional	CZ	\$118,489	2
900	1800	2300	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$107,466	2
1000	3600	2300	5812	Copper Bar	Sleeve - Oil Lube	Flood Lube Required	Uni-directional	CZ	\$150,679	2
1000	1800	2300	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$117,381	2

**Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211**

**TEFC ENCLOSURE  
60 Hertz – 4000 Volt**

HP	RPM	Voltage	Frame	Std. Rotor Construction	Std. Bearings & Lubrication	Std. Bearing Cooling	Rotation	Type	List Price	Category
200	1800	4000	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$46,134	1
200	1200	4000	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$48,500	1
200	900	4000	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$53,215	1
250	3600	4000	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$51,327	1
250	1800	4000	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$47,875	1
250	1200	4000	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$50,198	1
250	900	4000	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$61,412	1
300	3600	4000	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$52,139	1
300	1800	4000	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$49,611	1
300	1200	4000	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$52,021	1
300	900	4000	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$74,640	1
350	3600	4000	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$53,187	1
350	1800	4000	509	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$50,396	1
350	1200	4000	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$59,591	1
350	900	4000	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$79,490	1
400	3600	4000	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$54,028	1
400	1800	4000	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$52,687	1
400	1200	4000	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$61,412	1
400	900	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$89,897	1
450	3600	4000	509	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$55,056	1
450	1800	4000	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$54,324	1
450	1200	4000	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$74,640	1
450	900	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$93,513	1
500	3600	4000	5011	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$61,150	1
500	1800	4000	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$55,138	1
500	1200	4000	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$79,490	1
500	900	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$125,732	2
600	3600	4000	5011	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$64,875	1
600	1800	4000	5011	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$57,602	1
600	1200	4000	5810	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$93,513	1
600	900	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$132,835	2
700	3600	4000	5013	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$79,882	1
700	1800	4000	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$72,702	1
700	1200	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$125,732	2
800	3600	4000	5013	Alum. Diecast	Ball - Grease Lube	Self	Uni-directional	CZ	\$83,984	1
800	1800	4000	5013	Alum. Diecast	Ball - Grease Lube	Self	Bi-directional	CZ	\$77,546	1
800	1200	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$132,835	2
900	3600	4000	5810	Copper Bar	Ball - Grease Lube	Self	Uni-directional	CZ	\$120,087	2
900	1800	4000	5810	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$108,923	2
1000	3600	4000	5812	Copper Bar	Sleeve - Oil Lube	Flood Lube Required	Uni-directional	CZ	\$152,112	2
1000	1800	4000	5812	Copper Bar	Ball - Grease Lube	Self	Bi-directional	CZ	\$129,286	2

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### Modifications

Option Code	Modification	List Adder	Category No.
	<b>Adjustable Speed Drive</b> <i>(See Adjustable Speed Drive elsewhere in this document)</i>		
	Suitable for use on a filtered-only, adjustable speed drive of 10:1 variable torque application – 500 frame, 2-pole, all enclosures.	\$1,518	1
	Suitable for use on a filtered-only, adjustable speed drive of 2:1 constant torque application – except 500 frame, 2-pole, all enclosures	No Charge	1
	Suitable for use on a filtered-only, adjustable speed drive of 10:1 variable torque application – 500 frame, 2-pole, all enclosures.	\$1,518	1
	Suitable for use on a filtered-only, adjustable speed drive of 2:1 constant torque application – except 500 frame, 2-pole, all enclosures	No Charge	1
	<b>Altitude</b>		
	From 3301 - 5000 ft elevation - Utilization to Class F	3%	1
	<b>Ambient</b>		
	From +40 deg. C up to +45 deg. C - Utilization to Class F	2%	1
	<b>Assembly</b>		
K10	F-1 Assembly	No Charge	1
K09	F-2 Assembly	No Charge	1
	<b>Balance</b>		
R90	Siemens Precision Balance <i>(See Balance elsewhere in this document)</i>	\$1,084	1
R91	API 541 Precision Balance (2-pole only) <i>(See Balance elsewhere in this document)</i>	\$3,961	2
	<b>Bearing – Lubrication (sleeve bearings only)</b>		
R33	Constant Level Oilers, 1 per bearing (Oil Rite)	\$1,425	2
R32	Oil Site Gauge	\$1,331	2
L66	Provisions for Flood Lube	\$1,047	1
	<b>Bearing - Insulation</b>		
L27	NDE Bearing Insulated – 500 frame, 2-pole, all enclosures	\$1,518	1
L18	Both Bearings Insulated – 500 frame, 2-pole, all enclosures	\$3,623	2
L18	Both Bearings Insulated – 500 frame, 4-pole & slower, all enclosures	\$1,813	2
L18	Both Bearings Insulated – 580 frame, all poles, ODP-WPI-WPII	\$2,332	2
L18	Both Bearings Insulated – 580 frame, all poles, TEFC	\$2,231	2
	<b>Bearings - Sleeve</b>		
K96	Sleeve Bearings – 500 frame, ODP-WPI-WPII	\$5,169	1
K96	Sleeve Bearings – 500 frame, TEFC	\$8,573	1
K96	Sleeve Bearings – 580 frame, ODP-WPI-WPII	\$6,988	1
K96	Sleeve Bearings – 580 frame, TEFC	\$10,398	1

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### Modifications

		List Adder	Category No.
	<b><u>Bearing RTD's</u></b>		
A42	(2) 100 Ohm Platinum (0.00385 TCR) DIN Std, dual-element RTDs, 1/brg, Stick	\$2,625	1
R09	(2) 100 Ohm Platinum (0.00385 TCR) DIN Std, dual-element RTDs, 1/brg, Embedded per API – sleeve bearings only	\$3,988	2
R09+R09	(4) 100 Ohm Platinum (0.00385 TCR) DIN Std, dual-element RTDs, 2/brg, Embedded per API – sleeve bearings only	\$7,975	2
R22	Spring loaded fittings (for bearing RTDs or thermocouples stick type only)	\$709	1
R13	Provisions only for bearing RTDs or thermocouples, 2/brg	\$251	1
R17	Stainless steel shielding for bearing RTDs	\$485	2
	<b><u>Bearing Thermocouples</u></b>		
R11	(2) Type EE chromel-constantan, dual-element Thermocouples, 1/brg, Stick	\$1,338	2
R75	(2) Type EE chromel-constantan, dual-element Thermocouples, 1/brg, Embedded - sleeve bearings only	\$1,505	2
R22	Spring loaded fittings (for bearing RTDs or thermocouples stick type only)	\$709	1
R13	Provisions only for bearing RTDs or thermocouples, 2/brg	\$251	1
	<b><u>Bearing Vibration Detection</u></b>		
R06	2 accelerometers mounted on motor – 1 per bearing	\$7,148	2
R08	Provisions only for accelerometers	\$1,084	1
A39	Provisions only for radial proximity probes	\$6,287	2
R07	2 velometers mounted on motor – 1 per bearing	\$6,636	2
R08	Provisions only for velometers	\$1,084	1
R05	PMCBeta 440-DR Vibration Switch	\$4,011	2
R03	RobertShaw 365-A8 Vibration Switch for non-hazardous location	\$2,592	2
R03	RobertShaw 365-A8 Vibration Switch for hazardous location	\$5,699	2
	<b><u>Belt Drive</u></b> <i>(See Long For V-Belt Drive under "Shaft")</i>		
	<b><u>Copper Rotor</u></b>		
R68	500 Frames	\$15,673	2
R68	588 or 5810 Frame	\$18,806	2
R68	5812 Frame	\$20,898	2
R85	Phosphorous-free (high silver) braze for copper rotor – 500 Frames	\$722	2
R85	Phosphorous-free (high silver) braze for copper rotor – 580 Frames	\$1,331	2
S02	<b><u>Corrosion protection on the rotor</u></b>	\$1,616	1
	<b><u>Direction Of Rotation</u></b>		
K97	Clockwise viewed from motor drive end (2-pole only)	No Charge	1
K98	Counter-Clockwise viewed from motor drive end (2-pole only)	No Charge	1
K99	Bi-Directional (4-pole & slower)	No Charge	1

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### Modifications

		List Adder	Category No.
	<b>Enclosure Features</b>		
S41	Low Noise Design – Level 1 (ODP or WPI) <i>(See Noise Levels elsewhere in this document)</i>	\$1,795	1
S42	Low Noise Design – Level 2 (ODP or WPI) <i>See Noise Levels elsewhere in this document)</i>	\$2,934	1
S41	Low Noise Design – Level 1 (WPII) <i>See Noise Levels elsewhere in this document)</i>	\$1,875	1
S31	Filters - Aluminum (WPII only) – 500 Frames	\$792	1
S31	Filters - Aluminum (WPII only) – 580 Frames	\$1,047	1
S30	Filters - Galvanized Steel (WPII only) – 500 Frames	\$851	1
S30	Filters - Galvanized Steel (WPII only) – 580 Frames	\$912	1
S32	Filters - Stainless Steel (WPII only) – 500 Frames	\$1,599	1
S32	Filters - Stainless Steel (WPII only) – 580 Frames	\$2,027	1
S35	Differential Pressure Switch - SPDT (WPII only)	\$1,678	1
R50	Breather-Drain (TEFC only)	\$245	1
R54	Copper Ground Pads on Frame	\$301	1
R96	Jacking Screws for Vertical Alignment	\$201	1
R98	Shim Pack, Stainless Steel	\$1,766	1
R93	Sole Plates, 2-piece flat, per Siemens standard	\$7,557	2
R95	Slide Rails	\$4,352	2
R40	Space Heaters 120V/240V low surf. temp. 200 deg. C	\$1,184	1
R70	Starting Duty Nameplate	\$340	1
D40	CSA Nameplate	\$201	1
R70	Nameplate with Equipment ID No.	\$340	1
	<b>Frequency &amp; Voltage</b>		
	<i>(See Frequency &amp; Voltage elsewhere in this document)</i>		1
	<b>Hazardous Location – Class I, Groups C&amp;D, Division 2</b>		
	<i>(See Hazardous Location elsewhere in this document)</i>	No Charge	1
	<b>Paint System</b>		
	<i>(See Paint Systems elsewhere in this document)</i>		
R86	Standard paint system, Siemens standard color (Blue Munsell 8.3B3.54/1.9)	No charge	1
S13	Standard paint system, black color (RAL9005)	\$1,453	1
S03	Harsh Duty painting system, Siemens standard color	\$3,894	Add 5 Days



## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### Modifications

		List Adder	Category No.
	<b><u>Shaft</u></b>		
R87	Rotating Shaft Seal on Drive End – 500 Frame	\$1,087	2
R87	Rotating Shaft Seal on Drive End – 580 Frame	\$1,603	2
R88	Rotating Shaft Seals – Both Ends – 500 Frame	\$2,178	2
R88	Rotating Shaft Seals – Both Ends – 580 Frame	\$3,207	2
R92	Long Shaft For V-Belt Drive (Anti-friction bearing only) <i>(See Long Shaft For V-Belt Drive elsewhere in this document)</i>	\$1,727	1
	<b><u>Shipment Terms &amp; Packaging</u></b>		
	Standard shipment terms are FCA Loaded, Norwood, OH factory, freight collect with our standard domestic packaging only.	No Charge	1
	Our standard software package includes motor outline drawing, calculated motor electrical performance data including speed vs. torque, speed vs. current, and thermal limit curves, motor instruction manual, and a standard commercial test report.	No Charge	1
	<b><u>Software Package</u></b>		
U68	<u>Shaft Data for Torsional Analysis</u>	\$519	2
	<b><u>Stator</u></b>		
S16	Extra Long Leads (up to 5 feet)	\$748	2
S11	Heavy Duty Bracing	\$903	2
R55	Burndy-type motor terminal lugs	\$438	1
S00	Anti-Fungal (Tropicalization) Treatment – 500 frame	\$324	1
S00	Anti-Fungal (Tropicalization) Treatment – 580 frame	\$538	1
S10	Wye-Delta Start (Low Voltage only)	\$2,267	2
	<b><u>Stator Thermal Devices</u></b>		
R65	(6) 100 Ohm Platinum DIN Standard, 2/phase, 3-wire	\$1,181	1
R17	Stainless Steel RTD Shielding	\$485	2
A16	(3) PTC Thermistors	\$923	1
R14	PTC Thermistor Control Module	\$625	1
R15	(3) Klixons, Normally Open (NO) Contacts	\$435	2
R16	(3) Klixons, Normally Closed (NC) Contacts	\$435	1

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### Modifications

		List Adder	Category No.
	<b>Terminal Boxes - Main Box</b> <i>(See Terminal Boxes elsewhere in this document for standard size)</i>		
U80	NEMA Type I, Cast Iron (CI3 - 6370 cu.in. volume)	\$1,783	1
U81	NEMA Type I, Fab Steel (FS1.5 - 13900 cu.in. volume)	\$2,419	2
U82	NEMA Type II, Fab Steel (FS2 - 21750 cu.in. volume) <i>(box will be free-standing with feet and will require customer to supply support from beneath)</i>	\$2,588	2
U84	NEMA Type II, Fab Steel (FS3 - 57276 cu.in. volume) <i>(box will be free-standing with feet and will require customer to supply support from beneath)</i>	\$3,969	2
U75	Breather-drain for Main Box	\$173	1
U89	Standoff Insulators <i>(requires additional purchase of at least FS1.5 Main Box or larger)</i>	\$2,930	2
U90	Differential Current Transformers, 50:5 ratio <i>(requires additional purchase of at least FS2 Main Box or larger)</i>	\$3,773	2
U92	Surge Capacitors and Lightning Arrestors <i>(requires additional purchase of FS3 Main Box)</i>	\$14,510	2
U95	Ground Bus <i>(requires additional purchase of a Fab. Steel Main Box)</i>	\$362	2
U88	Silver Plated Bus Bar <i>(requires additional purchase of a Fab. Steel Main Box)</i>	\$1,453	2
U97	Space Heater for Main Box	\$1,422	2
R70	Nameplates with Customers Instrumentation ID Nos.	\$340	1
	<b>Terminal Box - Auxiliary Box</b>		
M52	Separate boxes for space heater and temperature instrumentation leads	\$722	2
M51	Stainless steel auxiliary box	\$2,008	2
S57	All auxiliary boxes located F-1 side	No Charge	1
	<b>Test – Routine Test (Non-witnessed)</b>	No Charge	1
	Each motor is given a routine test in accordance with ANSI C50.41, NEMA MG1-12 and/or MG1-20 to assure that it is free from electrical and mechanical defects. Included in the test are; <ul style="list-style-type: none"> <li>• Measurement of resistance of winding.</li> <li>• Measurement of no load, current, power, and speed at rated voltage and frequency.</li> <li>• Insulation resistance.</li> <li>• High potential test per NEMA MG1-20.</li> <li>• Mechanical balance and vibration per NEMA MG1-7.</li> </ul>		
	<b>Warranty</b>		
	Siemens Standard Warranty	No charge	1
	See Siemens Industry, Inc. – Standard Terms and Conditions of Product Sales. The entire text can be found on our website at: <a href="http://www.sea.siemens.com/us/AboutUs/Pages/Terms-and-Conditions.aspx">http://www.sea.siemens.com/us/AboutUs/Pages/Terms-and-Conditions.aspx</a>		

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

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### Modifications

#### Adjustable Speed Drives\*

Motors driven from an adjustable frequency control power source are subject to harmonics caused by non-sinusoidal wave shapes and voltage spikes. These may result in increased heating, decreased torque capability, and excessive shaft voltages; therefore, standard motor designs may not be suitable.

### Policy Statement IGBT/BRG Siemens Norwood AC Induction Motors IGBT Control Induced Bearing Currents

Siemens has had considerable, successful experience operating motors in the field in applications that utilize IGBT-type adjustable frequency controls. Throughout the industry, however, a few variable frequency control applications and installations have been shown to produce currents in the bearings of motors they control. Siemens Drives and Siemens Systems groups have the expertise and experience necessary to ensure the your installation is configured such that problem-free operation is attained. However, when Siemens motors are to be used with controls manufactured other companies, we defer system configuration details to that control manufacturer.

If motor selected is specified to be used with an adjustable speed drive, the use of a control output filter that reduces common mode voltage is required.

**\*NOTE: Not available on TEFC, 2-pole, 5812 frame.**

### Balance

#### Siemens Precision Balance

All of our horizontal motors are designed to be within NEMA Standard vibration limits as a standard. NEMA Standards on vibration are defined in limits of unfiltered maximum velocity in inches per second (IPS) as measured on the bearing housing with motor on a rigid mounting. A precision balance with limits less than the NEMA limits is available per following chart.

Precision Balance		
Motor Speed	NEMA Standard Limits	Siemens Precision Balance Vibration Limits
<b>2-Pole</b>	<b>.15 IPS</b>	<b>.10 IPS</b>
<b>4-Pole</b>	<b>.15 IPS</b>	<b>.10 IPS</b>
<b>6-Pole</b>	<b>.15 IPS</b>	<b>.08 IPS</b>
<b>8-Pole</b>	<b>.12 IPS</b>	<b>.07 IPS</b>

#### API 541 Precision Balance

2-pole motors can be provided with special balance to obtain maximum vibration of 1 mil (.001 in.) peak-to-peak as measured on the shaft using shaft stick.

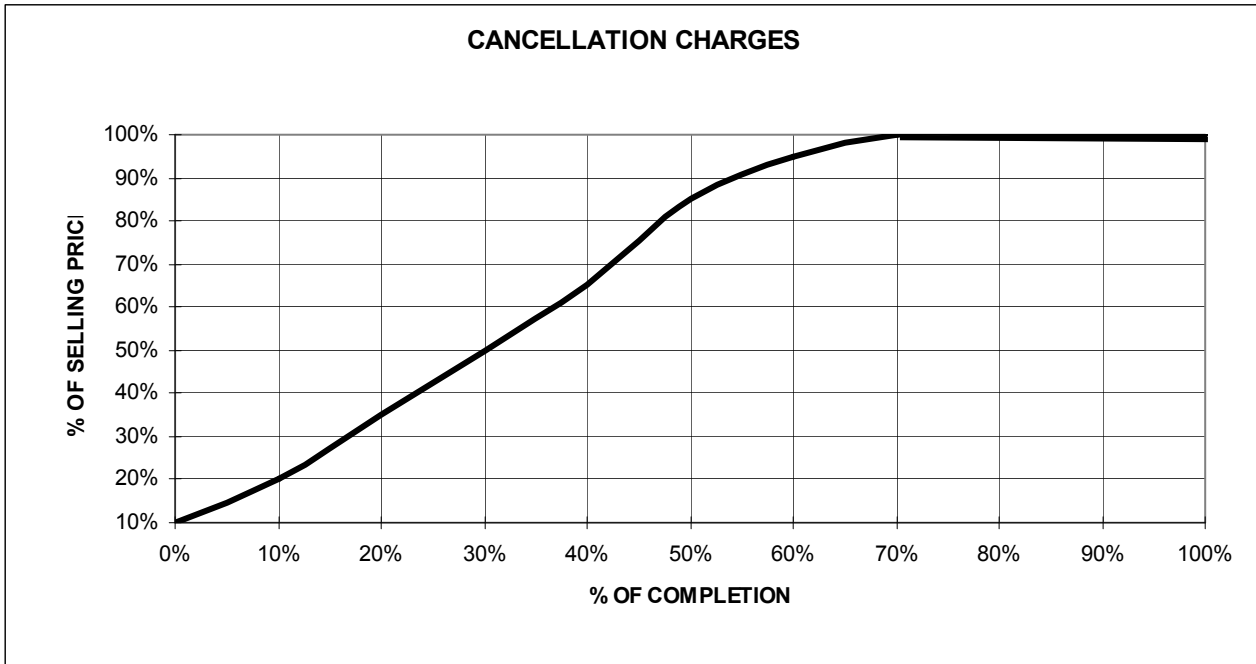
## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### Modifications

#### Cancellation Charges

A minimum charge of 10% of the order value will be assessed for any order cancellation. For any order less than \$ 5,000 (e.g. a parts order), a minimum charge of \$ 500 (five hundred U.S. dollars) will be assessed for any order cancellation.

The following graph will apply to determine cancellation charges after the order is received and entered at the factory.



A charge of 15% (fifteen percent) of the total motor price will be assessed if an order is canceled after it has been released for engineering and drafting whether or not the drawings have been completed and/or submitted for approval.

#### Frequency & Voltage

For 50 hertz ratings, increase required HP by a factor of 1.2 and round up to the nearest comparable 60 hertz rating. (Example: To find 400HP - 50 hertz rating, multiply 400HP x 1.2 = 480HP. Use comparable 500HP - 60 hertz rating). For the voltage offerings, use the following chart;

For		Use List Price of
60HZ	50HZ	
460 or 480	380 or 415	460
2300 or 2400	-	2300
4000, 4160 or 2300/4000	3000 or 3300	4000

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### Modifications

#### Hazardous Location – Class I, Groups C&D, Division 2 Only

For ODP, WPI, or WPPI enclosure use appropriate List Price and Frame.

For TEFC enclosure;

- For nameplated 1.15 Service Factor: Increase the required HP by 1.15, round up to nearest HP, and use that List Price and Frame (e.g. 500HP required -  $500 \times 1.15 = 575$ , so use 600HP List Price and Frame).
- For nameplated 1.0 Service Factor: Use required HP and use appropriate List Price and Frame.

The motor will meet NEC Article 500 definition for motors permitted in the Class I, Group(s) C&D, Division 2 area. NEC requirements and restrictions must be observed. Certification of the motor for use in the Division 2 area is not normally provided.

#### Long Shaft For V-Belt Drive

Motors to be used on belt drive applications have a larger shaft extension diameter and length than direct drive motors and have a roller bearing on the drive end. Motors with a ball bearing on the drive end should not be used on belt drive applications. Conversely, it is not recommended that motors with a roller bearing on the drive end be direct driven as excessive noise may occur. The chart indicates the minimum sheave diameters in inches recommended for belt drive motors in 500 and 580 frames. The adder can only be made to the ratings listed in the chart.

Minimum Motor Sheave Pitch Diameter									
500 FRAME									
HP	ODP / WPI			WPPI			TEFC		
	4 pole	6 pole	8 pole	4 pole	6 pole	8 pole	4 pole	6 pole	8 pole
200	12.0	14.0	15.5	12.0	14.0	15.5	12.0	14.0	15.5
250	13.0	15.0	16.5	13.0	15.0	19.0	13.0	15.0	16.5
300	14.0	16.0	17.0	14.0	17.0	23.0	14.0	16.0	-
350	14.5	16.5	19.5	14.5	20.0	26.5	14.5	16.5	-
400	15.0	19.0	22.5	16.0	23.0	30.5	15.0	18.0	-
450	16.5	20.5	-	18.0	25.5	-	16.0	-	-
500	18.5	23.0	-	20.0	28.5	-	17.0	-	-
600	22.0	27.5	-	24.0	34.0	-	-	-	-
700	24.5	-	-	24.5	-	-	-	-	-
800	27.5	-	-	28.0	-	-	-	-	-
900	31.0	-	-	31.5	-	-	-	-	-
580 FRAME									
HP	ODP / WPI / WPPI			TEFC			-		
	4 pole	6 pole	8 pole	4 pole	6 pole	8 pole	-	-	-
200	-	-	-	-	-	15.5	-	-	-
250	-	-	-	-	-	16.5	-	-	-
300	-	-	17.5	-	16.0	17.5	-	-	-
350	-	-	18.5	-	16.5	18.5	-	-	-
400	-	-	19.5	15.0	17.5	19.5	-	-	-
450	-	18.0	20.0	16.0	18.0	20.0	-	-	-
500	16.5	19.0	20.5	16.5	19.0	-	-	-	-
600	17.5	20.0	-	17.5	20.0	-	-	-	-
700	18.5	-	-	18.5	-	-	-	-	-
800	-	-	-	19.0	-	-	-	-	-

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### Modifications

#### Noise Levels – Standard

Typical no load, free field noise levels per IEEE85 of our standard design motors are shown below. For guaranteed levels, add 2 dba to the levels below those shown in the following chart;

Standard Noise Levels Typical Overall Level 'A' Scale (dbA at 1 Meter)					
Enclosure	Frame	2-Pole	4-Pole	6-Pole	8-Pole
ODP/ WPI	508	91	84	85	85
	5010	89	84	85	82
	588	81	83	85	83
	5810	80	83	85	82
	5812	83	83	85	83
WP11	508	81	80	82	82
	5010	80	81	82	82
	588	80	82	85	83
	5810	81	80	82	81
	5812	82	81	85	82

#### Noise Levels – Low Noise Designs

Low Noise Design Typical Overall Level 'A' Scale (dbA at 1 Meter)					
Enclosure	Frame	2-Pole	4-Pole	6-Pole	8-Pole
ODP/ WPI	508	Level 2 - 85			
	5010	Level 1 - 87 Level 2 - 85	Level 1 - 80	Level 1 - 82	
	588			Level 1 - 82	
	5810			Level 1 - 83	
	5812			Level 1 - 83	
WP11	588			Level 1 - 83	Level 1 - 82
	5810				Level 1 - 80
	5812			Level 1 - 78	

## Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211

### Modifications

#### Paint Systems

##### **Standard Duty Paint System**

- Applications - Standard industrial environments; indoor, sheltered or moderate outdoor locations.
- Preparation - Motor surface treatment is SP-3, solvent and hand or power tool cleaned. The surface shall be dry & free from rust, mill scale, oil and any other contaminates which may weaken the paint to surface bond.
- Primer - Motor exterior coated with a high quality alkyd primer.
- Finish Coat & Process - Apply one coat (2.5 – 4.0 mil dry film thickness) of two part epoxy Motor Blue finish paint to all visible surfaces of the motor except shaft extensions, oil sight gages and the like. The painting shall be done before the attachment of the rating and information nameplates. Allow paint to dry for at least 4 hours before packaging.
- Materials – Primer: high quality alkyd, Finish Paint: two-part, high solids epoxy
- Color: Motor Blue (Munsell 8.3B3.54/1.9)

##### **Harsh Duty Paint System**

- Applications - Harsh industrial environments; Suitable for harsh outdoor locations.
- Preparation - Motor surface treatment is SP-3, solvent and hand or power tool cleaned. The surface shall be dry & free from rust, mill scale, oil and any other contaminates which may weaken the paint to surface bond.
- Primer - Motor exterior coated with a high quality alkyd primer.
- Intermediate Coat - Motor exterior coated with a two-part epoxy primer, with approximate thickness of 4.0 – 6.0 mil dry-film thickness.
- Finish Coat & Process - Apply one coat (1.5 – 2.0 mil dry film thickness) of two part acrylic polyurethane (Motor Blue) to all visible surfaces of the motor except shaft extensions, oil sight gages and the like. The painting shall be done before the attachment of the rating and information nameplates. Allow paint to dry for at least 8 hours before packaging.
- Materials - Primer: High quality alkyd, Intermediate Coat: Two-part epoxy primer, Finish paint: Two-part acrylic polyurethane
- Color: Motor Blue (Munsell 8.3B3.54/1.9)

#### Terminal Boxes

##### Main Terminal Box

The standard main terminal box is selected on the basis of full load current of the motor and exceeds NEMA volume requirements (see table below). The standard main terminal box location is NEMA F-1 unless specified otherwise at time of order.

HP	460 V	2300 V	4000 V
200 to 700	CI2	CI2	CI2
701 - 1000	CI3	CI2	CI2
1001 - 1750	-	CI2	CI3
1751 - 2500	-	CI2	CI3

**NOTE:** Boxes CI2, CI3, and FS1.5 are mounted on the motor and are rotatable in 90-degree increments. Boxes FS2 and FS3 boxes will be free-standing with feet and will require customer to supply support from beneath.

##### Auxiliary Boxes

Our standard, cast-iron auxiliary boxes meet NEMA 4X requirements and are segregated to house space heater and temperature instrumentation leads if those devices are purchased.

**Pricing Guide for SMART-Ship AboveNEMA Motors ANSP-65000-0211**

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**Worksheet**

**Rating**

Enclosure	HP	RPM	Frame	Rotor	Std Bearings & Lubrication	Std Bearing Cooling	Rotation	Type	Assembly	List Price	Category

**Modifications**

Option Code	Modification	List Adder	Category

	Total List	Largest Category Number
<b>Total List</b>		
<b>Multiplier</b>	<b>X</b>	
<b>Price Net Each</b>		



# SIEMENS 2011

## WORKING DAYS CALENDAR

Siemens Industry Inc.  
Drive Technologies Division

January						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3 H	4	5	6	7	8
9	10 005	11 006	12 007	13 008	14 009	15
16	17 010	18 011	19 012	20 013	21 014	22
23	24 015	25 016	26 017	27 018	28 19	29
30	31 20					

May						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9 084	10 085	11 086	12 087	13 088	14
15	16 089	17 090	18 091	19 092	20 093	21
22	23 094	24 095	25 096	26 097	27 098	28
29	30 099	31 100				

September						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 166	2 167	3
4	5 H	6	7	8 168	9 169	10 170
11	12 172	13 173	14 174	15 175	16 176	17
18	19 177	20 178	21 179	22 180	23 181	24
25	26 182	27 183	28 184	29 185	30 186	

February						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 021	2 022	3 023	4 024	5
6	7 025	8 026	9 027	10 028	11 029	12
13	14 030	15 031	16 032	17 033	18 034	19
20	21 035	22 036	23 037	24 038	25 039	26
27	28 040					

June						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 105	2 106	3 107	4
5	6 108	7 109	8 110	9 111	10 112	11
12	13 113	14 114	15 115	16 116	17 117	18
19	20 118	21 119	22 120	23 121	24 122	25
26	27 123	28 124	29 125	30 126		

October						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3 187	4 188	5 189	6 190	7 191	8
9	10 192	11 193	12 194	13 195	14 196	15
16	17 197	18 198	19 199	20 200	21 201	22
23	24 202	25 203	26 204	27 205	28 206	29
30	31 207					

March						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 041	2 042	3 043	4 044	5
6	7 045	8 046	9 047	10 048	11 049	12
13	14 050	15 051	16 052	17 053	18 054	19
20	21 055	22 056	23 057	24 058	25 059	26
27	28 060	29 061	30 062	31 063		

July						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 127	2
3	4 H	5 C	6 C	7 C	8 C	9
10	11 128	12 129	13 130	14 131	15 132	16
17	18 133	19 134	20 135	21 136	22 137	23
24	25 138	26 139	27 140	28 141	29 142	30
31						

November						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 208	2 209	3 210	4 211	5
6	7 212	8 213	9 214	10 215	11 216	12
13	14 217	15 218	16 219	17 220	18 221	19
20	21 222	22 223	23 224	24 H	25 H	26
27	28 225	29 226	30 227			

April						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 064	2
3	4 065	5 066	6 067	7 068	8 069	9
10	11 070	12 071	13 072	14 073	15 074	16
17	18 075	19 076	20 077	21 078	22 H	23
24	25 079	26 080	27 081	28 082	29 083	30

August						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 143	2 144	3 145	4 146	5 147	6
7	8 148	9 149	10 150	11 151	12 152	13
14	15 153	16 154	17 155	18 156	19 157	20
21	22 158	23 159	24 160	25 161	26 162	27
28	29 163	30 164	31 165			

December						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 228	2 229	3
4	5 230	6 231	7 232	8 233	9 234	10
11	12 235	13 236	14 237	15 238	16 239	17
18	19 240	20 241	21 242	22 243	23 H	24
25	26 H	27 C	28 C	29 C	30 H	31

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