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**ABB Oy**  
Electrical Machines - LV Motors  
P.O. Box 633  
Vaasa  
FIN-65101  
Finland  
Telephone : +358 10 22 11  
Fax : +358 10 22 47372

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**Product :** Low Voltage Motors

**Model Name:** M3BP 160-315

**Intended Service:**  
Marine Environments

**Description:**  
Cast iron framed, three phase induction motors in frame sizes 160 to 315.

**Ratings:**  
220-690 Volts, 50/60Hz, 2-12 and multiple poles, IP55 and IP65  
Insulation Class F and Temperature rise Class B

**Service Restrictions:**  
Each design of motor of 100 kW (135 hp) and over intended for essential services on board ABS Class vessels is to be assessed by testing in accordance with the "type tests" schedule indicated in 4-8-3/Table 3.  
Each subsequent production unit of an accepted design is to be tested in accordance with the "routine tests" schedule indicated also in 4-8-3/Table 3.

**Comments:**

1. The motors are rated and certified for ambient temperature between -20°C and +50°C
2. Each particular installation of electric motors in hazardous locations is to be specifically approved.

**Term of Validity:**  
This product/model is covered under Product Design Assessment (PDA) Certificate # 02-LD327930-PDA, dated 06/Nov/2002. This PDA Certificate expires November of 2007. It will remain valid for the 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

#### **STANDARDS**

**ABS Rules:**  
Section 4-8-3/3 of Steel Vessel Rules, 2002

