

## ABB Mod Express®

Modification Number	Motor Mod Express®	Page No.
<b>VC002</b>	Replace/Add Customer Motor Nameplate .....	336
<b>VC005</b>	Add Drip Cover .....	336
<b>VC008</b>	Add IEC B14 C-Face .....	336
<b>VC009</b>	Add IEC B5 D-Flange .....	337
<b>VC066</b>	Convert Motor for other than Horizontal Mounting .....	337
<b>VC096</b>	Fulfilling Marine Duty LR, without Certificate .....	337
<b>VC122</b>	Bimetal Detectors 150° C .....	338
<b>VC135</b>	Additional Stainless Motor Nameplate .....	338
<b>VC148</b>	Routine Test Report. ....	338
<b>VC161</b>	Additional Loose Motor Nameplate .....	339
<b>VC163</b>	Add Adjustable Speed Motor Nameplate .....	339
<b>VC186</b>	Fulfilling Marine Duty DNV, without Certificate .....	339
<b>VC450</b>	Add 100-120V Space Heater .....	340
<b>VC451</b>	Add 200-240V Space Heater .....	340
<b>VC502</b>	Pt100 3-wire in stator winding, 1 per phase .....	341
<b>VC675</b>	Fulfilling Marine Duty ABS, without certificate .....	341
<b>VCM13E</b>	Remove Mounting Feet .....	341

## ABB Mod Express®

### Ordering information

**Note:** Motors made for sale in the U.S. by ABB must comply with the Integral Motor Horsepower Rule including those modified from stock. After any modification, the motor must comply with the Integral Motor Horsepower Rule or the applicable regulations such as Natural Resources Canada if used in that country.

Note that 50 Hz efficiency levels may not be the same level when operated at 60 Hz. Changing the voltage may also change the IE class.

To order, specify the catalog number of the stock product and the MOD variant code number. Use the motor discount for the motor. All modifications should be priced using the modification list price, applying the appropriate multiplier symbol for the motor. **Lead times indicated are subject to availability of stock motors in the Fort Smith warehouse.** Customer will absorb all freight costs when motor is shipped to Fort Smith for modification from field warehouses.

**Note:**

**Some modifications do not apply to explosion-proof or hazardous duty motors.**

**Modifications for process performance aluminum and cast iron, M3AA/M3BP.**

**Contact your local sales office for approval**

## MOD Express Cancellation Policy

Should it be necessary to cancel an order for a motor after it is modified, but before it ships – a cancellation charge of double the modification charge will be invoiced to the customer. Any MOD order cancelled before modification is completed is subject to 25% cancellation charge.

Once shipped, modified motors returned at purchaser's expense will be invoiced at double the MOD fee plus 10% restock fee.

## Note

All lead times indicated are subject to availability of stock motors and parts in the Fort Smith warehouse. Please check stock availability before quoting lead time.

Some conversions may not be allowed if they result in a change of operating parameters that affect efficiency or change the EISA or NRCan classification of compliant motors.

Modification prices do not include the cost of the motor, speed reducer, etc.

**NEW** modifications are indicated with **RED** titles.

## ABB Mod Express®

Modification Number	Motor Mod Express® Description and List Price	Working Days Required
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### VC002 Replace/Add Customer Motor Nameplate

TWO DAYS

Restamp voltage, frequency and output, continuous duty.  
Rating data according to quotation and engineering approval.  
Rerate must be compliant with pertinent MEPS requirements.  
You will be required to provide end destination country.  
MotSize data sheet is required.

**List per motor: \$160**

### VC005 Add drip cover

TWO DAYS

Add metal drip cover to motor for vertical mounting.  
Requires VC066.  
Not for ATEX or hazardous duty motors.

IEC Frame Size	Aluminum List Price	Cast Iron List Price
63	N/A	N/A
71 - 80	178	145
90 - 100	129	145
112 - 132	129	145
160	236	264
180	271	303
200	287	321
225	386	432
250	480	538
280	N/A	612

### VC008 Add IEC B14 C-Face

TWO DAYS

Add IEC B14 C-face to B3 base mounted motor  
(Convert to B34).  
Not for ATEX or hazardous duty motors.

IEC Frame Size	Aluminum List Price	Cast Iron List Price
63	215	N/A
71 - 80	203	130
90 - 100	157	188
112 - 132	176	188
160	541	N/A
180	N/A	N/A
200	N/A	N/A
225	N/A	N/A
250	N/A	N/A
280	N/A	N/A

## ABB Mod Express®

Modification Number	Motor Mod Express® Description and List Price	Working Days Required
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<b>VC009</b>	<b>Add IEC B5 D-Flange</b> Add IEC B5 D-flange to B3 base mounted motor (Convert to B35). Not for ATEX or hazardous duty motors.	TWO DAYS
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IEC Frame Size	Aluminum List Price	Cast Iron List Price
63	215	N/A
71 – 80	165	130
90 – 100	157	130
112 – 132	176	188
160	338	492
180	472	527
200	640	716
225	710	795
250	777	870
280	N/A	896

<b>VC066</b>	<b>Convert motor for other than horizontal mounting</b> Adjust placement of weep holes if motor is used as other than horizontally mounted in normal plane Not for ATEX or hazardous duty motors.	TWO DAYS
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IEC Frame Size	Aluminum List Price	Cast Iron List Price
63 - 250	66	66

<b>VC096</b>	<b>Fulfilling Marine Duty LR, without certificate (non-essential service only)</b>	TWO DAYS
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IEC Frame Size	Aluminum List Price	Cast Iron List Price
63	83	N/A
71 – 80	83	87 *
90 - 100	83	87 *
112 – 132	83	87 *
160 - 180	168	171
200 - 250	236	246
280	N/A	580

\* Pricing for IE2 motor only; Variant is not available for IE3 motors.

## ABB Mod Express®

Modification Number	Motor Mod Express® Description and List Price	Working Days Required
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### VC122 Bimetal Detectors 150° C

FIVE DAYS

Install normally-closed winding thermostats (3 in series)

IEC Frame Size	Aluminum List Price	Cast Iron List Price
63	N/A	N/A
71 - 80	202	N/A
90 - 100	230	N/A
112 - 132	241	N/A
160 - 180	N/A	N/A
200 - 250	N/A	N/A
280	N/A	N/A

### VC135 Additional Stainless Motor Nameplate

TWO DAYS

Add customer part number, PO, job number, etc.

Not to be used for electrical ratings.

List per motor: \$160

### VC148 Routine Test Report

SEVEN DAYS

Supply copies of test report for specific motor on order.

Three phase motors will have the following motor characteristics measured.

Test data will be supplied.

All data will be taken on cold motor.

1. Visual inspection.
2. Terminal markings and direction of rotation.
3. Resistance measurement at ambient temperature.
4. No load test (speed and current).
5. Locked rotor test (torque and current).
6. Withstand voltage test (hipot).
7. Insulation resistance measurement (meg ohm).

IEC Frame Size	Aluminum List Price	Cast Iron List Price
63	221	N/A
71 - 80	221	290
90 - 100	236	290
112 - 132	287	320
160 - 180	314	417
200 - 250	404	453
280	N/A	462

## ABB Mod Express®

Modification Number	Motor Mod Express® Description and List Price	Working Days Required																					
<b>VC161</b>	<p><b>Additional Loose Motor Nameplate</b></p> <p>Add customer part number, PO, job number, etc. Not to be used for electrical ratings.</p> <p><b>List per motor: \$160</b></p>	TWO DAYS																					
<b>VC163</b>	<p><b>Add Adjustable Speed Motor Nameplate</b></p> <p>Add adjustable speed nameplate. Rating data according to quotation and engineering approval. Rating must be compliant with with pertinent MEPS requirements. You will be required to provide end destination country. DriveSize data sheet is required.</p> <p><b>List per motor: \$160</b></p>	TWO DAYS																					
<b>VC186</b>	<p><b>Fulfilling Marine Duty DNV, without certificate (non-essential service only)</b></p> <table border="1"> <thead> <tr> <th>IEC Frame Size</th> <th>Aluminum List Price</th> <th>Cast Iron List Price</th> </tr> </thead> <tbody> <tr> <td>63</td> <td>83</td> <td>N/A</td> </tr> <tr> <td>71 - 80</td> <td>83</td> <td>87 *</td> </tr> <tr> <td>90 - 100</td> <td>83</td> <td>87 *</td> </tr> <tr> <td>112 - 132</td> <td>83</td> <td>87 *</td> </tr> <tr> <td>160 - 180</td> <td>153</td> <td>171</td> </tr> <tr> <td>200 - 250</td> <td>220</td> <td>246</td> </tr> </tbody> </table> <p>* Pricing for IE2 motor only; Variant is not available for IE3 motors.</p>	IEC Frame Size	Aluminum List Price	Cast Iron List Price	63	83	N/A	71 - 80	83	87 *	90 - 100	83	87 *	112 - 132	83	87 *	160 - 180	153	171	200 - 250	220	246	TWO DAYS
IEC Frame Size	Aluminum List Price	Cast Iron List Price																					
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## ABB Mod Express®

**Modification** Motor Mod Express®  
**Number** Description and List Price

**Working Days**  
**Required**

### VC450 Add 100-120V Space Heater

FIVE DAYS

Standard space heater is 120V.  
Not for ATEX or hazardous duty motors.

IEC Frame Size	Aluminum List Price	Cast Iron List Price
63	393	N/A
71 – 80	393	320
90 – 100	393	320
112 – 132	393	363
160	523	585
180	576	646
200	643	721
225	736	824
250	886	991
280	N/A	N/A

#### Crusher Duty Motors Only

NEMA Frame Size	ABB Crusher Duty List Price
586-588	912

### VC451 Add 200-240V Space Heater

FIVE DAYS

Standard space heater is 240V.  
Not for ATEX or hazardous duty motors.

IEC Frame Size	Aluminum List Price	Cast Iron List Price
63	393	N/A
71 – 80	393	320
90 – 100	393	320
112 – 132	393	363
160	523	585
180	576	646
200	643	721
225	736	824
250	886	991
280	N/A	N/A

#### Crusher Duty Motors Only

NEMA Frame Size	ABB Crusher Duty List Price
586-588	912

## ABB Mod Express®

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**VC502** **Pt100 3-wire in stator winding, 1 per phase** FIVE DAYS

**Crusher Duty Motors Only**

Not for ATEX or hazardous duty motors.

NEMA Frame Size	ABB Crusher Duty List Price
586-588	1487

**VC675** **Fulfilling Marine Duty ABS, without certificate (non-essential service only)** TWO DAYS

IEC Frame Size	Aluminum List Price	Cast Iron List Price
80-132	83*	87*
160-180	168	143
200-225	236	246
280	N/A	580

\* Pricing for IE2 motor only; Variant is not available for IE3 motors.

**VCM13E** **Remove mounting feet from aluminum motors only (To be used with VC008 or VC009.)** TWO DAYS

IEC Frame Size	Aluminum List Price	Cast Iron List Price
63-132	N/A	N/A
160-180	163	N/A
200-250	217	N/A