

Modification Center

ORDERING INSTRUCTIONS

- **Modifications are not available on standard non-stock model number motors.**
- **Instructions also apply to “Mounted Kit Pricing” found in the Small & Medium AC Accessories and Kits section of this catalog.**

Before Entering an Order

1. Determine the proper stock model number motor and parts required and check availability.
2. Be sure the modifications required are available.

How to Price an Order

1. Record the list price of the required motor model number plus add all list modification adders and multiply it by the appropriate discount symbol.
2. Record total motor net.

How and Where to Enter an Order

Reliance Distributors: Can phone their orders to Rockwell Automation Reliance Electric Inside Sales Representative or send a fax to: 864-281-2363. For those not assigned an Inside Sales Representative, you may call the main switchboard at 864-297-4800.

District Sales Engineers: May place orders to the Modification Centers via OMS.

Cancellation or Changes to an Order

Maximum cancellation charge is \$100

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 cannot be returned.

Delivery Cycle

The delivery cycle will be subject of the availability of the stock motor and parts. If the motor and or parts are not currently in stock, then the total delivery cycle for the order must include the time to replenish the longest lead time item plus the time to complete the modification.

The Modification Center is designed to process and ship units as quickly as possible; therefore, “Hold for Approval” and other similar conditions are not available on Modification Center orders. For best delivery results, check stock availability and reserve the motor prior to order entry. Typically, modifications will require 2 to 7 business days, once the order is entered. Orders for more than 5 units may require additional delivery time.

Hours

The Modification Centers are operated from 7 am to 3 pm Monday through Friday.

Small and Medium AC Motor Modifications

Modification Description	Frame	Product	List Price Adder	Notes
1. ALTITUDE (Above 3300 ft./1000m) / AMBIENT:				
Can be obtained by changing the service factor, insulation class, efficiency, or de-rating.	48, 56, 140	ALL NON XP	\$140	
	180-449	ALL NON XP	140	
	180-360	XP	280	
2. BEARINGS: (per set / per motor)				
- Shielded bearings (specify double or single bearing. Mfg. is Reliance Option)	180-280	ALL NON XP	280	
- Sealed bearings - convert to permanently lubricated sealed bearings	48, 56, 140	ALL NON XP	280	
	180-280	ALL NON XP	280	
3. BRAKES:				
Mount double C-face DODGE DBSS and DBES brake kit to c-face motor - Does not include brake price - See accessories section for brake price:				
- Standard Enclosures only, 3 ft.lb. to 25 ft.lb.	56C. 140TC	ALL NON XP	250	
4. BRAKE FAST RESPONSE KIT				
Mount fast response kit in conduit box. D-Series only	See: "Mounted Kit Pricing" Starting on Pg 155			
5. CONDUIT BOX: Mounting of stock box kits.				
- Oversize or Cast Iron	See: "Mounted Kit Pricing" Starting on Pg 155			
- Auxiliary Conduit Box: Mounted on Main C/Box	See: "Mounted Kit Pricing" Starting on Pg 155			
- Conduit Box Drain Hole	56-449	ALL NON XP	210	101,105
6. CONNECTIONS:				
Final connect dual to single voltage. Note: XP will be final connected in conduit box	48-140	ALL NON XP	150	
	180-320	ALL NON XP	210	
	360-449	ALL NON XP	280	
7. DIVISION II: No thermostats require				
Class I				
- Class I, Group A, B, C, D @ 1.0 SF T3C-T2A *	180-445	XE, XEX, 841XL	210	3, 101, 105
* Up to 150HP				
- Class I, Group A, B, C, D @ 1.0 SF T3A-T2A **	445-449	XE, XEX, 841XL	210	3, 101, 105
** T2C at 300HP				
Class II				
Class II, Group F & G - T3C @ 1.0 SF (N/A as 841XL)	180-280	XEX	420	3,101,104,105
Class II enclosures require shielded bearings- Bearing change is included in the price	320-360	XEX	560	3,101,104,105
	400-449	XEX	690	3,101,104,105
Class I Inverter Duty				
CSA Division II is available as 6-60 HZ Variable Torque inverter duty				
- Class I, Group A, B, C, D @ 1.0SF T3 on PWM *	180-445	XE, XEX, 841XL	210	3, 101, 105
* up to 150HP				
- Class I, Group A, B, C, D @ 1.0SF T2D on PWM **	445-449	XE, XEX, 841XL	210	3, 101, 105
** T2C at 300HP				
8. DRIP COVERS:				
Mounting of stock canopy kits	See: "Mounted Kit Pricing" Starting on Pg 155			
This modification does not provide vertical lifting				
9. ENDSHIELDS:				
Mount C-Face and D-Flange end brackets	See: "Mounted Kit Pricing" Starting on Pg 155			
10. FAN COVER: (Mill & Chem Duty Kit)				
Mount Cast Iron Fan Shroud and Conduit Box	See: "Mounted Kit Pricing" Starting on Pg 155			
11. FRAME:				
Remove feet from cast iron frame motors. (Note: add in conjunction with flange modification) Not returnable	140	ALL NON XP	\$210	101
	180-210	ALL NON XP	420	101
	250	ALL NON XP	550	101
12. FREQUENCY:				
- De-rate 60HZ to 50HZ @ lower HP, apply appropriate nameplate data. Common voltage only.	48-145	ALL NON XP	140	
	180-449	ALL NON XP	140	
- XP motors with Thermostats only - no auto thermals	56-360	XP	280	

For pricing information or to place orders, go to www.PTplace.com

Small and Medium AC Motor Modifications

Modification Description	Frame	Product	List Price Adder	Notes
13. GREASE:	180-280	ALL NON XP	620	101
Changing to special grease - based on compatibility / suitability: Mobil 28 or Aeroshell 7 low temperature or DC-44 (synthetic) high temperature grease	320-360	ALL NON XP	830	101
	400-445	ALL NON XP	1,110	101
14. GREASE FITTINGS:				
Button head zerk fitting	250-449	ALL	210	105
15. INSULATION: (Addition of tropical, anti-fungus treatment to windings)				
- BJ or FJ	48,56,140	ALL NON XP	280	
- BJ or FJ (base model must be F insulation)	180-286	ALL NON XP	420	105
	324-445	ALL NON XP	550	105
16. INVERTER NAMEPLATE: Refer to the Inverter/Motor Selection Guide for details on motor capability.				
- Inverter Nameplated Motor	48,56,140	ALL NON XP	140	
	180-449	ALL NON XP	140	
	180-360	XP	280	
- Inverter Nameplated AND fan change	180-280	TEFC	350	103
	320-449	TEFC	490	103
	180-320	TEFC-XP	800	
17. LEAD TERMINALS:				
- Addition of eyelet-type lead terminals	48,56,140	ALL	280	
- Compression type (Burdny, etc.) lead lugs	180-449	ALL	350	
18. MOUNTING: (not available on L180-L210 frames) F-1 to F-2/W6/W8/W5/W7	180-280	ALL NON XP	280	107
	320-449	ALL NON XP	420	107
19. NAMEPLATES: Allows adding definite purpose nameplates or the addition of information. Characters of additional information will be available in 3/32" only. Over 25 characters will require an additional blank nameplate with the auxiliary nameplate charge added. Charges are per nameplate. Nameplates are stainless steel.				
- Separate nameplate for customer data	48-449	ALL NON XP	140	
	180-360	XP	280	
- Additional data on motor nameplate	48-449	ALL NON XP	140	
	180-360	XP	280	
- Separately shipped re-rated nameplate for stock motor in the field (no CSA logo) Requires return of old nameplate.	48-449	ALL NON XP	140	
20. SEALS:				
V-ring rubber slinger on drive end	140T-445T	ALL	280	
21. SERVICE FACTOR:				
Re-rate / de-rate to obtain service factor, includes nameplate	48-449	ALL NON XP	\$140	
	180-360	XP	280	
22. SPACE HEATERS: (120, 240, 480 volt) Auxiliary box not included. See conduit boxes for auxiliary box price.				
- Mounting of standard strip heaters	48,56,140	ALL NON XP	420	
	180-280	ALL NON XP	490	
	320-400	ALL NON XP	550	
	440-449	ALL NON XP	690	107
23. TERMINAL BLOCK:				
- Mount dual voltage Terminal Strip in Main Conduit Box	See: "Mounted Kit Pricing" Starting on Pg 155			
- Mount IEC style terminal block in main conduit box	See: "Mounted Kit Pricing" Starting on Pg 155			
24. THERMAL PROTECTION:				
Mount a set of normally closed thermostats (includes 3 thermostats)	48,56,140	ALL NON XP	\$250	
	180-360	ALL NON XP	550	
	400-449	ALL NON XP	690	107

Note: Where multiple modifications require a nameplate change, the charge should only be applied once.

For additional product information, go to www.reliance.com

Small and Medium AC Motor Modifications

Synchronous - Permanent

Synchronous - Reluctance

Kiln Duty

Submersible

Accessories & Kits

Modifications

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