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Complete this selection
 worksheet & email to:
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**Get in touch &
 let's get to work.**

SELECTION WORKSHEET & APPLICATION GUIDE

MOTOR STARTER

Airex provides the following guide for informational and reference purposes only.

Project Name: _____ Date: MM/DD/YYYY
 Address: _____
 Engineer: _____
 Customer: _____

Application

Project Type: _____ Are you matching another product? Yes No
 Manufacturer: _____
 Model: _____
i.e: School, WTP, Restaurant etc...

Instructions

1. Starter Type
2. Motor Voltage & HP
3. Starter Voltage
4. Control Voltage & Options
5. Auxiliary Contacts Options
6. Overload Selection

1. Starter Type
 These Starters are Full Voltage
 Non-Reversing type (FVNR)
(choose one)

Non-Combination
 Combination
 Unfused
 Circuit Breaker
 Fused

3. Voltage Guidelines
 Starter Voltage = Motor Voltage
 Starter Phase = Motor Phase
 Starter HP > Motor HP

3a. Starter Voltage
(choose one)
 Single Phase
 120V(default)
 208/230
 Three Phase
 208/230
 377
 460/480
 575/600

2. Motor Voltage
(choose one)
 Single Phase
 110/115/120
 208/230
 Three Phase
 208/230
 377
 460/480
 575/600

4. Control Voltage
(choose one)
 Single Phase
 120
 24

2a. Motor HP
(please specify)

4a. Control Options
(choose all that apply)

3 Position (Held) Switch:
 "Hand/Off/Auto"
 Start/Stop Push Buttons
 Motor Running Pilot Light:
 Default Colour Red
 Overload Tripped Pilot
 Light: Default Colour Yellow

5. Auxiliary Contacts
(please specify)

Qty of NO Contacts _____
 Qty of NC Contacts _____

6. Overload Selection
*Use the Following tables to size your
 Overload. Pick an overload that has at
 least .2 amps on either side of your target.*

6a. Motor FLA (if known)
 _____ Amps

6b. Find the Full Load Amperage of the Motor (if not known)
*FLA can be found on the motor name-
 plate. If the nameplate is not available,
 use the table below.*

Motor Amperage by Horsepower and Voltage							
Motor HP	Single Phase			Three Phase			
	120	208	230	208	230	460	575
1/4	5.8	3.2	2.9	1.2	1.2	.06	.05
1/3	7.2	4	3.6	1.6	1.5	0.8	0.67
1/2	9.8	5.4	4.9	2.4	2.2	1.1	0.9
3/4	13.8	7.6	6.9	3.5	3.2	1.6	1.3
1	16	8.8	8	4.6	4.2	2.1	1.7
1 1/2	20	11	10	6.6	6	3	2.4
2	24	13.2	12	7.5	6.8	3.4	2.7
3	34	18.7	17	10.6	9.6	4.8	3.9
5	56	30.8	28	16.7	15.2	7.6	6.1
7 1/2				24.2	22	11	9
10				30.8	28	14	11
15				46.2	42	21	17
20				59.4	54	27	22

25/26 type contactor required. Affects Overload Selection
 Very High Amperage. Not normally Recommended

Low Amp Limit	High Amp Limit	NOTES	Model Number	
0.11	0.16		3RU1116-	0AB0
.014	0.2		3RU1116-	0BB0
.018	0.25		3RU1116-	0CB0
.022	0.32		3RU1116-	0DB0
.028	.04		3RU1116-	0EB0
.035	.05		3RU1116-	0FB0
.045	.063		3RU1116-	0GB0
.055	.08		3RU1116-	0HB0
.07	1		3RU1116-	0JB0
.09	1.25		3RU1116-	0KB0
1.1	1.6		3RU1116-	0AB0
11.4	2		3RU1116-	1BB0
			3RU1126-	1CB0
1.8	2.5		TYPE 25/26 CONTACTOR	3RU1126-1CB0
				3RU1126-1DB0
2.2	3.2		TYPE 25/26 CONTACTOR	3RU1126-1DB0
				3RU1126-1EB0
2.8	4		TYPE 25/26 CONTACTOR	3RU1126-13B0
				3RU1126-1FB0
3.5	5		TYPE 25/26 CONTACTOR	3RU1126-1FB0
				3RU1126-1GB0
4.5	6.3		TYPE 25/26 CONTACTOR	3RU1126-1GB0
				3RU1126-1HB0
5.5	8		TYPE 25/26 CONTACTOR	3RU1126-1HB0
				3RU1126-1JB0
7	10		TYPE 25/26 CONTACTOR	3RU1126-1JB0
				3RU1126-1KB0
9	12			3RU1126-1KB0
9	12.5		TYPE 25/26 CONTACTOR	3RU1126-1KB0
11	16		TYPE 25/26 CONTACTOR	3RU1126-4AB0