Crop Dryer Motors

Model No: 141427.00
Catalog No: 141427.00

Crop Dryer Motor, 7.50 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215TZ Frame, TEFC

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Product Information Packet: Model No: 141427.00, Catalog No: 141427.00 Crop Dryer Motor, 7.50 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215TZ Frame, TEFC

Nameplate Specifications

Phase	**1**	Output HP	**7.50 Hp**
Output KW	**5.6 kW**	Voltage	**230 V**
Speed	**1750 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**215TZ**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**Manual**
Efficiency	**85.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**30.5 A**
Power Factor	**95**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**NO DESIGN CODE**
KVA Code	**K**	Drive End Bearing Size	**6307**
Opp Drive End Bearing Size	**6206**	UL	**Recognized (Not Protector)**
CSA	**Y**	CE	**N**
IP Code	**43**	Number of Speeds	**1**

Technical Specifications

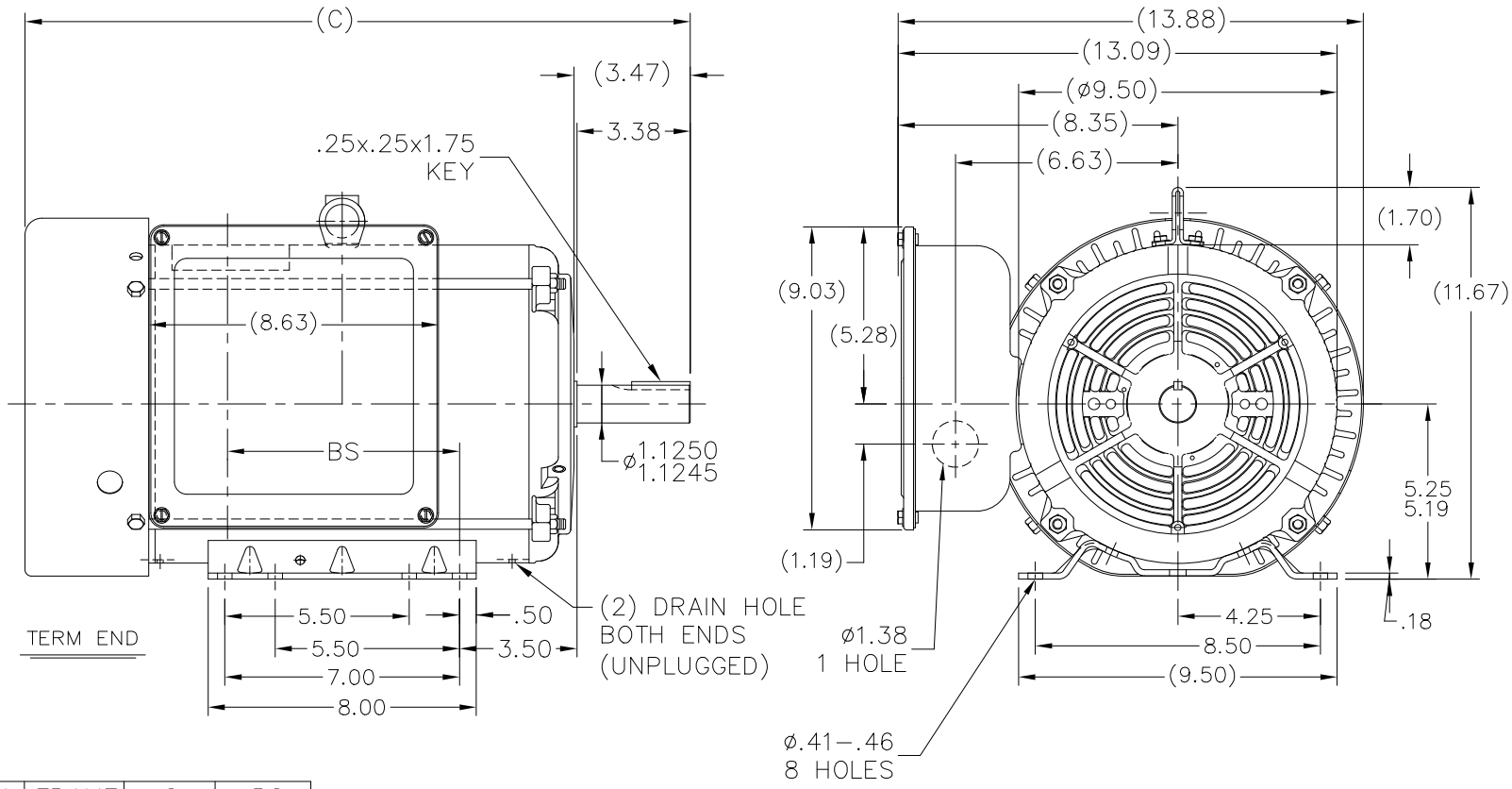
Electrical Type	**Capacitor Start Capacitor Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Selective Counterclockwise**
Resistance Main	**.215 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**Single Special Extension**	Overall Length	**21.09 in**
Frame Length	**12.4 in**	Shaft Diameter	**1 1/8 in**
Shaft Extension	**3.47 in**	Assembly/Box Mounting	**F1 Only**

Drawings

Connection Drawing	**EE9048RC**	Outline Drawing	**SS86671-1240**

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DASH	FRAME	C	BS
965	213T	18.34	5.42
1115	213/15T	19.84	6.92
1240	215T	21.09	8.17

NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. DASH 965 TO BE READ FROM OPPOSITE SHAFT END.

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 °
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 200/ INCH 5.1/ mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY: MH	
DATE: 04/17/1997	
APPROVED BY: DN	
DATE: 04/18/1997	
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION: OUTLINE
210 FR. - BB - TS - TEFC 1Ø

MATERIAL | PROCESS/FINISH

SIZE: B | DRAWING NUMBER: SS86671 | SHEET: 1 OF 1