

PRODUCT INFORMATION PACKET

Model No: 145TBDR5309
Catalog No: Z304
3-4-1/2,3450,DP,145TZ,1/60/230
Crop Dryer



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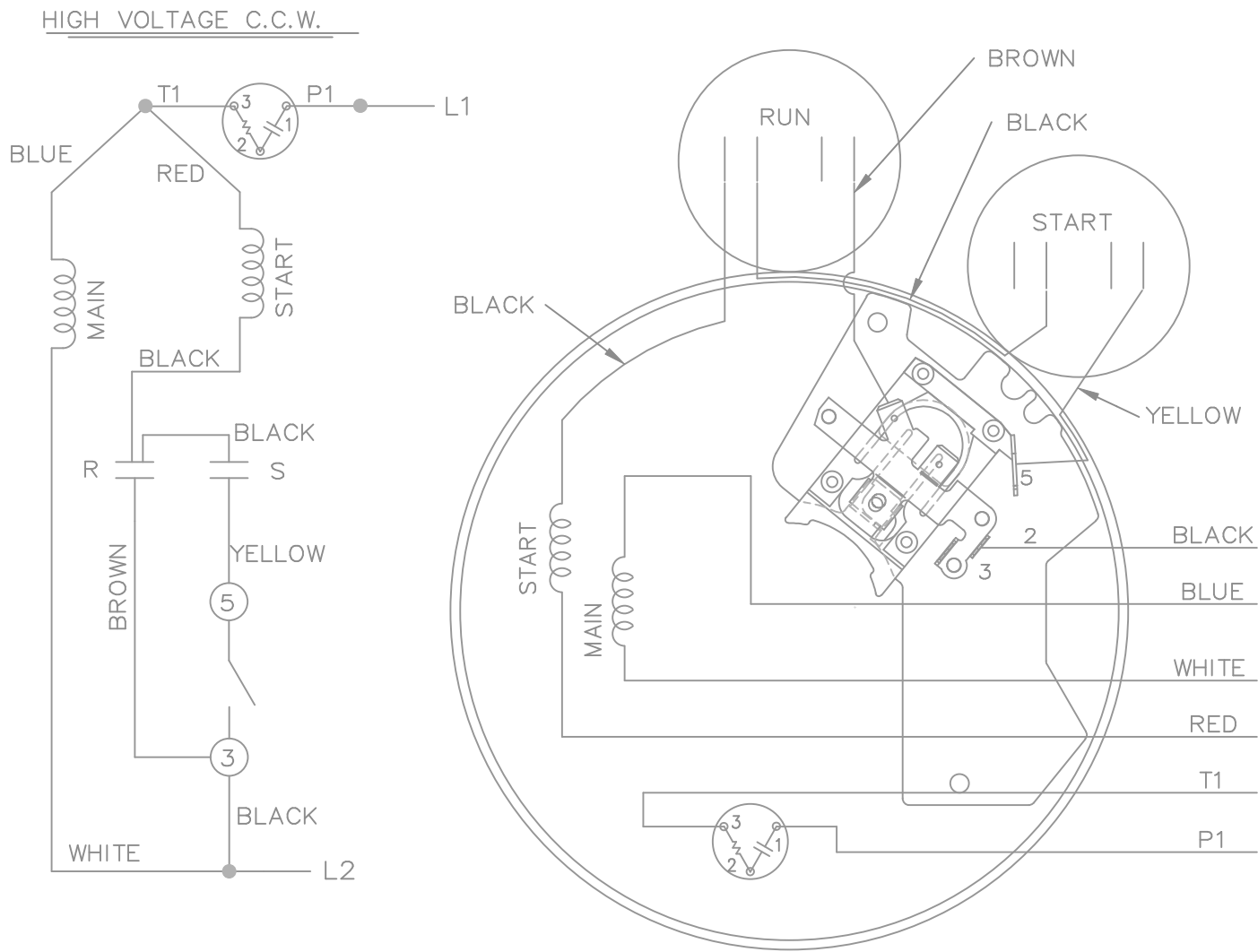
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230 V
Current	13.0 A	Speed	3510 rpm
Service Factor	1.5	Phase	1
Efficiency	81.5 %	Duty	Continuous
Insulation Class	F	Design Code	L
KVA Code	E	Frame	145TZ
Enclosure	Drip Proof Air Over	Overload Protector	Automatic
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	No
CSA	Y	CE	N
IP Code	22		

Technical Specifications

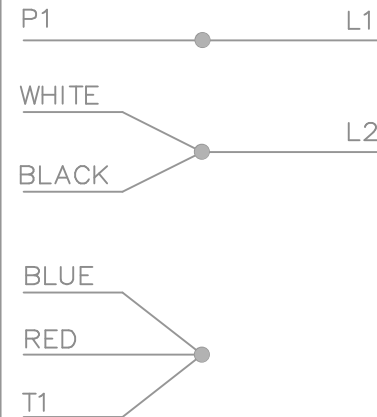
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Single Special Extension
Overall Length	13.74 in	Frame Length	9.06 in
Shaft Diameter	0.875 in	Shaft Extension	3.03 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	A-108612-906	Connection Diagram	A-102006-74

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HIGH VOLTAGE CAPACITOR
START OVERLOAD
SELECT ROTATION

HIGH VOLTAGE C.C.W. ROT.



FOR C.W. ROTATION
INTERCHANGE RED WITH
BLACK LEAD

			TOLERANCES UNLESS SPECIFIED			DRAWN KL 11-19-1993			
			DEC.	INCHES		CHK ML 12-07-1993			
				.X	±.1		APPD GK 12-07-1993		
4	CHANGED WIRE F/ BLACK TO/ BROWN CN46371	RJW 01-31-2006	ML	.XX	±.02	TITLE CONNECTION DIAGRAM	SCALE 5=8		
3	CAP LEAD COLORS REV'D CN 16210	AJS 08-29-1994		.XXX	±.005		REF		
2	REDRAWN ON CADD, NO CHANGED	KL 12-08-1993		.XXXX	±.0005	MAT'L.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±'30"	FINISH	PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP	CAD FILE 102006_74		SIZE A	DRAWING NO. 102006-74	PAGE OF 4	REV. 4
			DIST	WP					

CERTIFICATION DATA SHEET

Model#: 145TBDR5309 AE **WINDING#:** ZB227 NONE 4
CONN. DIAGRAM: A-102006-74 **ASSEMBLY:** F1 ONLY
OUTLINE: A-100383-906

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&4 1/2	2.24&3.36	3600	3510&3450	145TZ	DPAO	E	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60/60	230#230	13&19	ACROSS THE LINE	CONTINUOUS	F3	1.5/1.0	40	3300

FULL LOAD EFF:	3/4 LOAD EFF:	1/2 LOAD EFF:	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
81.5&80	82	80.5			
FULL LOAD PF:	3/4 LOAD PF:	1/2 LOAD PF:	0	CAP START CAP RUN	3.4
97&96.5	97	96			

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6.8 LB-FT	94	10.8 LB-FT 0	12.6 LB-FT 0	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	SGL SPL EXT	0.875 x 3.00 IN SEK	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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