

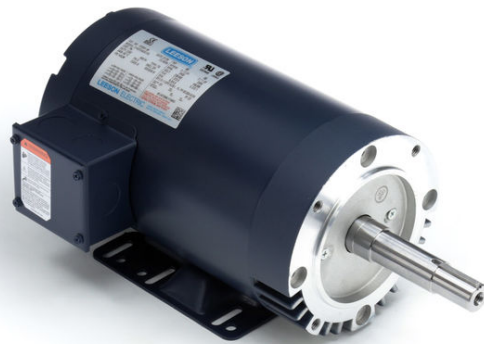
# PRODUCT INFORMATION PACKET



Model No: C145T17DC47A

Catalog No: 122077.00

..1.5HP..1800RPM.145JMV.ODP.230/460V.3PH.60HZ.CONT.40C..C-FACE.....JM PUMP.....  
JM



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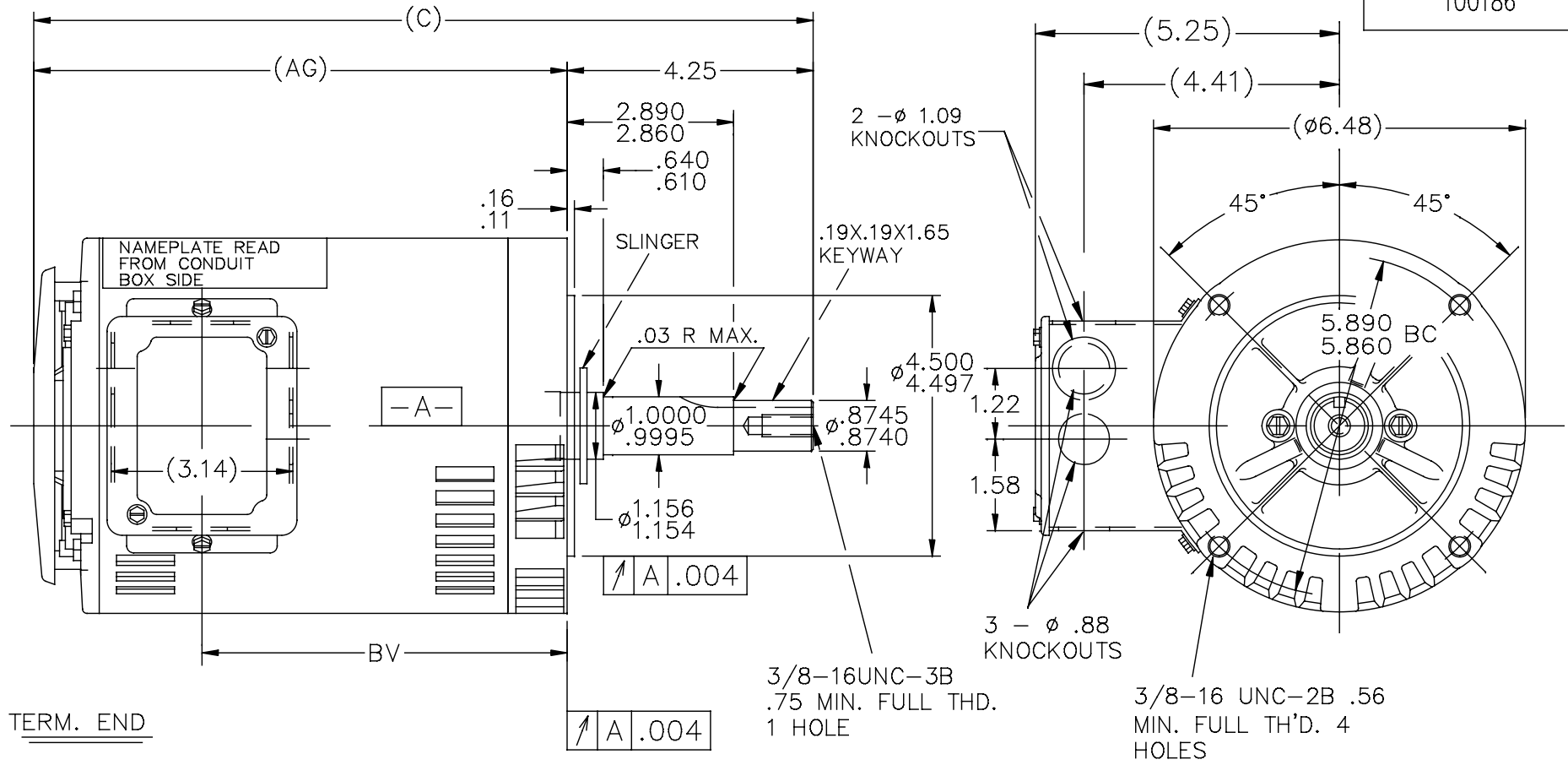
### Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.4/2.2 A	Speed	1755 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	M	Frame	145JMV
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

### Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Round	Motor Orientation	HORIZONTAL OR SHAFT DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	JM
Overall Length	15.42 in	Frame Length	9.06 in
Shaft Diameter	0.875 in	Shaft Extension	4.21 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-100186-906	Connection Diagram	A-EE7308-REGAL

100186



DASH	FRAME	C	AG	BV	DASH	FRAME	C	AG	BV
					806	140	14.42	10.17	7.31
656	140	12.92	8.67	5.81	856	"	14.92	10.67	7.81
706	140	13.42	9.17	6.31	906	"	15.42	11.17	8.31
756	140	13.92	9.67	6.81	956	"	15.92	11.67	8.81

NOTE: CONDUIT BOX CAN BE ROTATED 180°

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN SMC 10-30-1990			
					DEC.	INCHES					
6	UPDATED TO REGAL LOGO	SAJ 07-06-2015	VS					CHK ML 10-31-1990			
5	REVISED AK DIA ECR-0044440	SVL 11-06-2013		.X	±.1			APPD			
4	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML	.XX	±.03		TITLE OUTLINE	SCALE 3=8			
3	.75 FULL THD. WAS .88	CN 13229 RM 04-26-1991		.XXX	±.005		140T FR.-BB-DR.PR-C FACE-3φ-JM. EXT.	REF			
2	REDRAWN ON CADD	SMC 10-30-1990		.XXXX	±.0005		MAT'L.	FMF			
					±7'30"			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 100186			SIZE A	DRAWING NO. 100186	PAGE OF 6	REV. 6
				DIST	WP						



EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION

L1 — WHITE  
L2 — RED  
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					





CERTIFICATION DATA SHEET

1051 CHEYENNE AVE.  
 GRAFTON, WI 53024  
 PH. 262-377-8810

CATALOG #: 122077.00

CONN. DIAGRAM: A-EE7308-REGAL

OUTLINE: A-100186-906

MOUNTING: F1 ONLY

WINDING #: ZT4258 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&0.75	1800	1755&1465	145JMV	DP	M	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	4.4/2.2&4.2/2.1	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.0	40

FULL LOAD EFF:	86.5&885.5	3/4 LOAD EFF:	86	1/2 LOAD EFF:	83.8	GTD. EFF	84	ELEC. TYPE
FULL LOAD PF:	75&70	3/4 LOAD PF:	67	1/2 LOAD PF:	54.5	SQ CAGE INV RATED		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	39.6 / 19.8	16.65 LB-FT 370 %	21.65 LB-FT 481 %	32

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
56 DBA	66 DBA	0 LB-FT^2	10 LB-FT^2	20 SEC.	2	43 LBS.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL OR SHAFT DOWN	FALSE	NONE	TRUE	NONE	BLUE (POWDER)

BEARINGS DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL	BALL	POLYREX EM	JM	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6206	6203						

THERMO-PROTECTORS				THERMISTORS			
THERMOSTATS	PROTECTORS	WDG RTDS	BRG RTDS	CONTROL	SPACE HEATERS	VOLTS	
NONE	NOT	NONE	NONE	FALSE	NONE		

\* INVERTER TORQUE: CONSTANT 2:1  
 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

Date: 1/17/2018

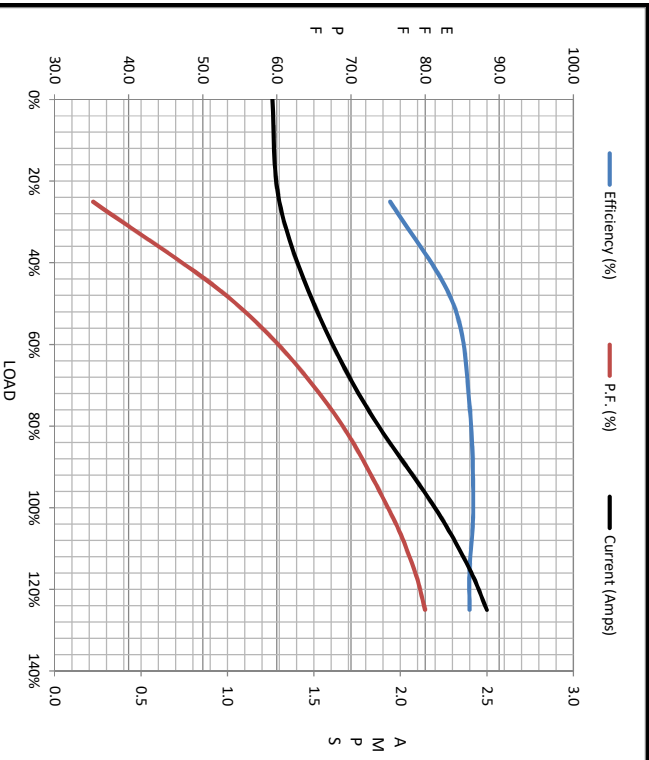
12207700



Data @ 460 V

Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	1.26	1.30	1.50	1.80	2.20	19.8
Torque (ft-lb)	0.00	1.10	2.20	3.4	4.5	16.7
RPM	1800	1788	1775	1755	1735	0
Efficiency (%)		75.3	83.8	86.0	86.5	
P.F. (%)	9.3	35.2	54.5	67.0	75.0	68.0

Motor Speed Data						Information Block																										
	LR	Pull-Up	BD	Rated	Idle	HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk <sup>2</sup>	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	R1	R2	X1	X2	Xm	
Speed (RPM)	0	120	1220	1755	1800	1.5	1800	145	DP	TDR	230/460#190/380	60	A	M	1.15	28	CONT	40 °C	1,000	0.00	Lb-Ft <sup>2</sup>	56	CONSTANT 2:1	A-100186-906	A-EE7308-REGAL		0.0000	0.0000	0.0000	0.0000	0.0000	
Current (Amps)	19.8	20.2	13.1	2.20	1.26																											
Torque (ft-lb)	16.7	16.6	21.7	4.5	0.00																											



EQUIV CKT (OHMS / PHASE)			
	R1	R2	Xm
	0.0000	0.0000	0.0000

