

PRODUCT INFORMATION PACKET



Model No: LM17390
Catalog No: LM17390

General Purpose Motor, 150 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 405TSC Frame, DP



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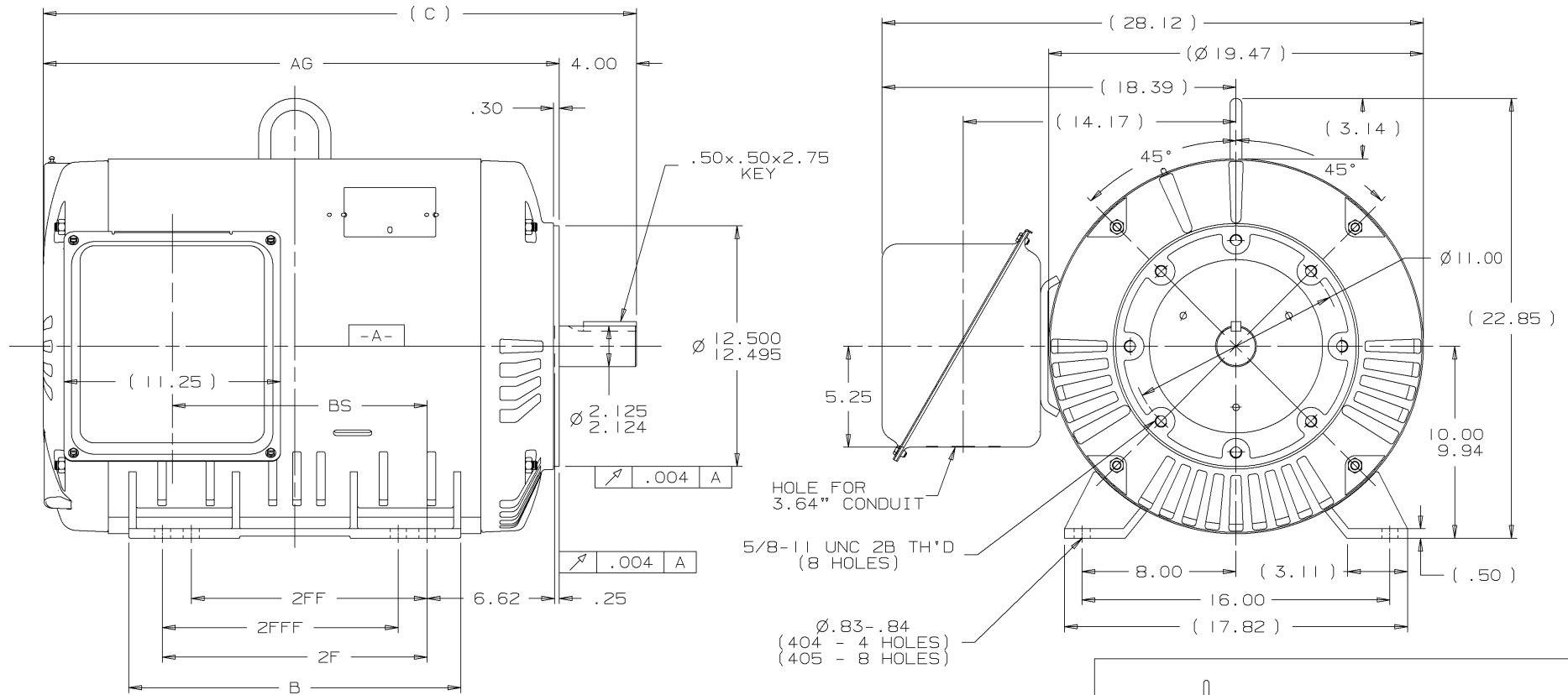


Nameplate Specifications

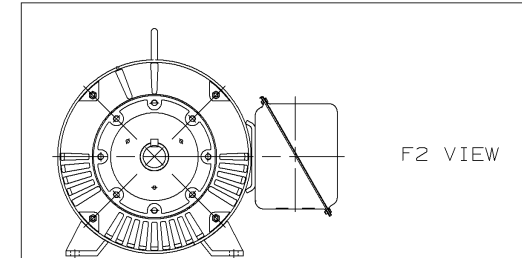
Output HP	150 Hp	Output KW	112.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	338.0/169.0 A	Speed	3565 rpm
Service Factor	1.25	Phase	3
Efficiency	94.1 %	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	405TSC	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6315	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.029 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	TS	Overall Length	30.66 in
Frame Length	18.85 in	Shaft Diameter	2.125 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE7308AA-LN	Outline Drawing	XJ2D1SC2-1885



- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.



DASH	FRAME	C	AG	BS	B	2F	2FF	2FFF	REV	DATE	CHANGE	NAME	HLB	PART NAME	OUTLINE NEMA MOTORS	400TS ODP UE DE C-FACE	DRWG NO	XJ2DISC2
1735	404TS	29.16	25.16	11.75	15.75	12.25			I	09-13-2001	NEW DRAWING		HLB	400TS ODP UE DE C-FACE				
1885	405TS	30.66	26.66	13.25	17.25	13.75	12.25	12.25	REV	DATE	CHANGE	NAME	HLB	DISTRIBUTION	W A - L B - W P - BY	CADD FILE NO.	XJ2DISC2	

Lincoln
MOTORS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES± 7'30"			
✓	MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED	DRAWN BY	HLB
	FINISH	CHKD BY	ML
	MATERIAL	APPD BY	HNH

T12 _____
 T1 _____
 T6 _____ L1
 T7 _____

T2 _____
 T4 _____
 T8 _____ L2
 T10 _____

T3 _____
 T5 _____
 T9 _____ L3
 T11 _____

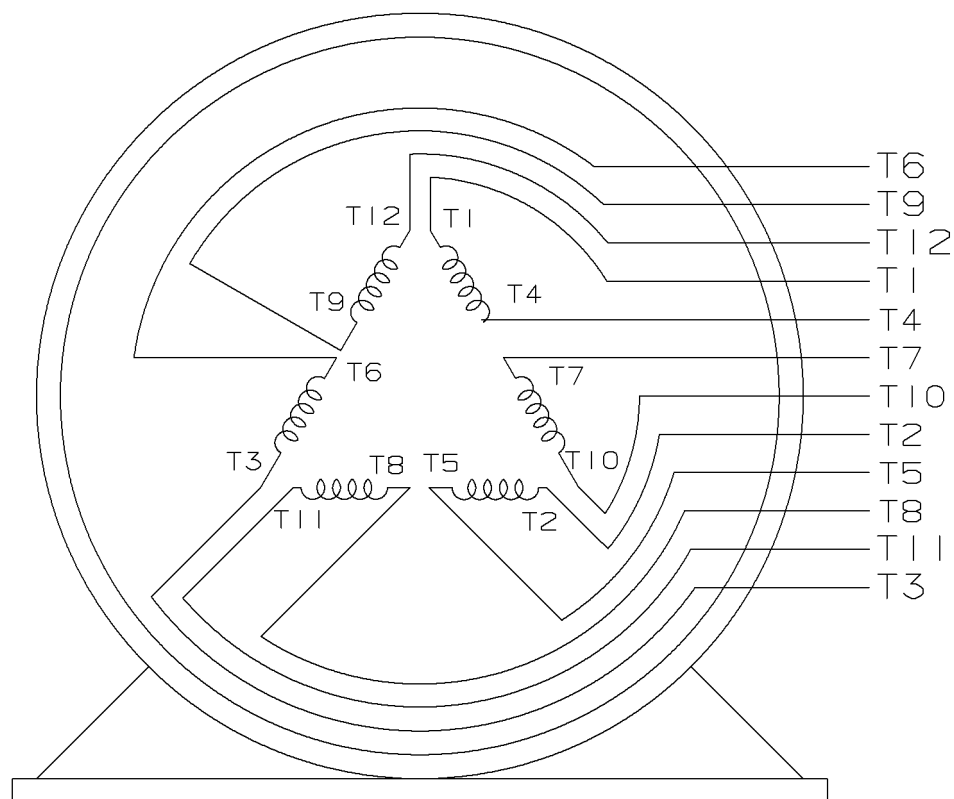
LOW VOLTAGE

T12 _____ L1
 T1 _____
 T4 _____
 T7 _____
 T2 _____
 T10 _____ L2

T5 _____
 T8 _____
 T3 _____
 T11 _____ L3

T6 _____
 T9 _____

HIGH VOLTAGE



VIEW OF TERMINAL END

					✓ UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES± 7°30"		
2	08-09-1999	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR		MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED		DRAWN BY TRB 07-16-1999
					FINISH		CHKD BY ML 06-18-1999
1	06-18-1999	NEW DRAWING	TRB		MATERIAL		APPD BY GK 06-18-1999
REV	DATE	CHANGE	NAME	PART NAME 3 PHASE CONNECTION DIAGRAM 2/1 DELTA - 12 LEADS			DRWG NO A- EE7308AA-LN
				PURCHASED	CADD FILE NO.	EE7308AALN	

ERROR: undefined
OFFENDING COMMAND: Pscrip
STACK:



CERTIFICATION DATA SHEET

2100 WASHINGTON ST.
GRAFTON, WI
PH. 262-277-8810

CONN. DIAGRAM: A-EE7308AA-LN

OUTLINE: XJ2D1SC2-1885

CATALOG #: LM17390

WINDING #: L4052008 1

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
150	112	3600	3565	405TSC	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	338/169	WYE START DELTA RUN	CONTINUOUS	F4	1.25	40

FULL LOAD EFF:	94.1	3/4 LOAD EFF:	94.1	1/2 LOAD EFF:	93	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	88	3/4 LOAD PF:	87	1/2 LOAD PF:	82.5	93	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
221 LB-FT	2170 / 1085	325 LB-FT 147 %	600 LB-FT 271 %	60

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

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
6315	6313	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

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

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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

Data Sheet

Date: 1/29/2018

LM17390



Data @ 460 V

Motor Load Data

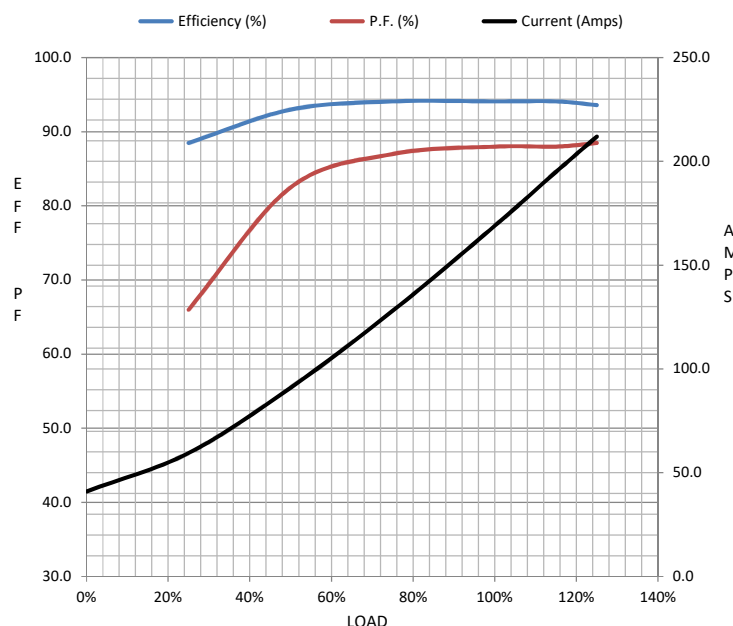
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	41.0	59.5	91.0	128	169	195	212	1,085	
Torque (ft-lb)	0.00	55.0	110	165	221	254	277	325	
RPM	3600	3590	3585	3575	3565	3,563	3560	0	
Efficiency (%)		88.5	93.0	94.1	94.1	94.1	93.6		
P.F. (%)	9.0	66.0	82.5	87.0	88.0	88.0	88.5	25.0	

Motor Speed Data

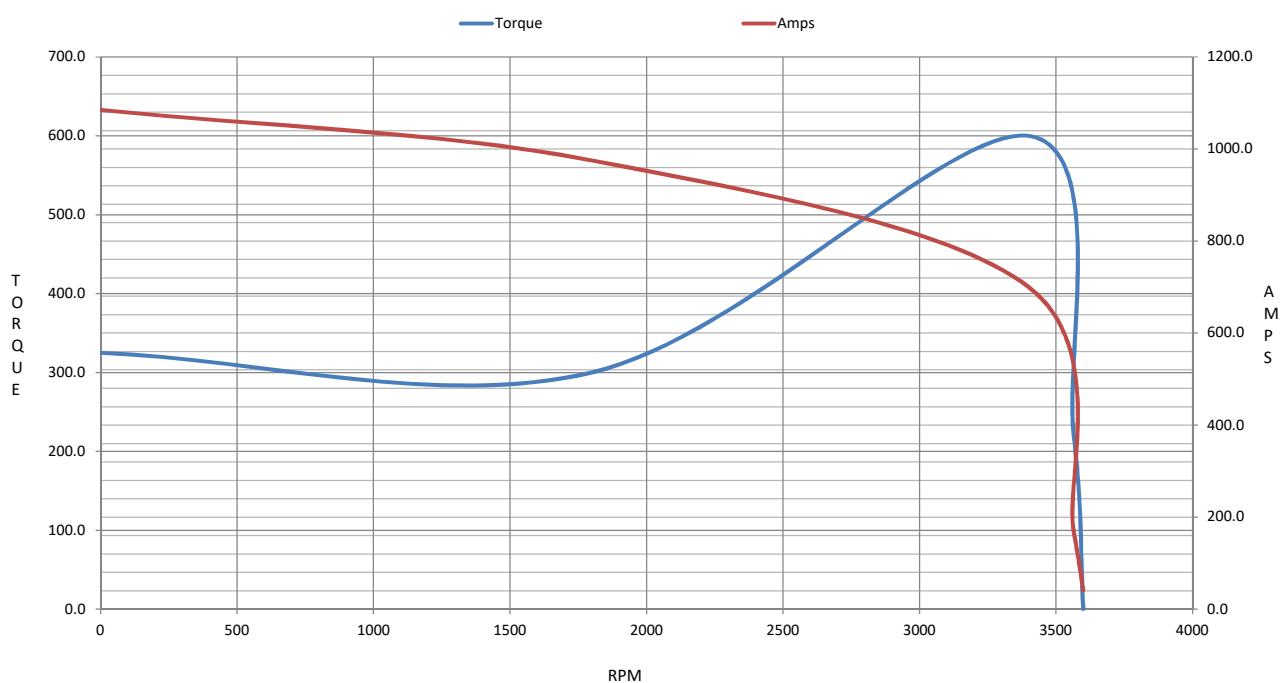
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3400	3565	3600
Current (Amps)	1,085	975	700	169	41.0
Torque (ft-lb)	325	300	600	221	0.00

Information Block

HP	150.0			
Sync. RPM	3600			
Frame	405			
Enclosure	DP			
Construction	TDR			
Voltage	230/460 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	60 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.00 Lb-Ft²			
Ref Wdg	L4052008 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	XJ2D1SC2-1885			
Conn. Diag	A-EE7308AA-LN			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0230	0.0150	0.1850	0.1270	6.8420



Speed - Torque Curve



EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : LM17390

(Model No. may contain prefix and/or suffix characters)

Catalog No : LM17390

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22