

PRODUCT INFORMATION PACKET



Model No: LM15567

Catalog No: LM15567

General Purpose Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190-208/380-415 V, 1800 & 1500 RPM,
365TC Frame, TEFC



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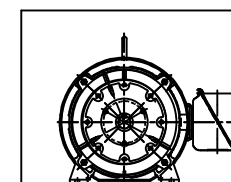
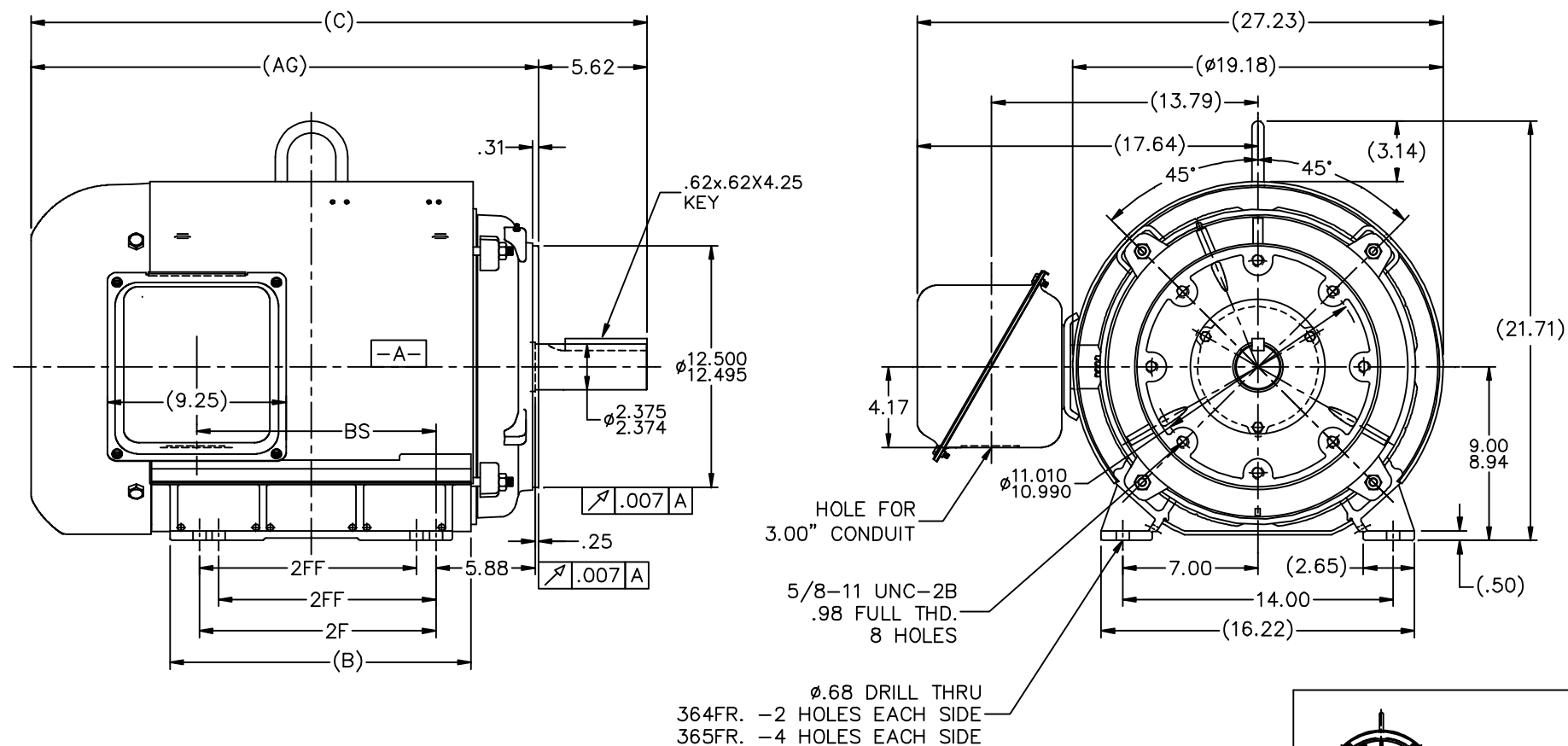


Nameplate Specifications


Phase	3	Output HP	75 & 60 Hp
Output KW	56.0 & 45.0 kW	Voltage	230/460 & 190-208/380-415 V
Speed	1782 & 1482 rpm	Service Factor	1.15 & 1.0
Frame	365TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.4 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	178/89 & 173-164/86.5-82 A	Power Factor	81.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	313	Opp Drive End Bearing Size	311
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.055 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	32.89 in
Frame Length	17.70 in	Shaft Diameter	2.375 in
Shaft Extension	5.88 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	3A217-12	Outline Drawing	XH2F1SC1-1770



F2 VIEW

													TOLERANCES UNLESS SPECIFIED				DRAWN HLB 10-17-2002	
													DEC. INCHES				CHK ML 10-17-2002	
													.X ±.1		TITLE OUTLINE — NEMA MOTORS 360T FR. —TEFC —C' FACE —U.E. —1		APPD HNH 10-17-2002	
													.XX ±.03				SCALE 1=6	
									2 UPDATED PER ISAAC# 12-1833				REP 04-25-2012		TB .XXX ±.005		REF	
1670 364T 31.89 26.27 14.61 11.25 --- -- 11.56									1 NEW DRAWING CN35344-12				HLB 10-17-2002		HNH .XXXX ±.0005		MAT'L	
1770 365T 32.89 27.27 15.61 12.25 11.25 12.56									NO. REVISION				BY & DATE		CHK ANG ±7'30"		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 10-17-2002		CAD FILE xh2f1sc1		SIZE B	
DASH FRAME C AG B 2F 2FF BS													DIST BY		DRAWING NO. XH2F1SC1		PAGE 1 OF 1	
																	REV. 2	



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 3A217-12

OUTLINE: XH2F1SC1-1770

CATALOG #: LM15567

WINDING #: L3654028 1

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&60	56.0&45.0	1800	1782&1482	365TC	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB° C
3	60/50	230/460&190-208/380-415	178/89&173-164/86.5-82	WYE START DELTA RUN	CONTINUOUS	F1	1.15/1.0	40

FULL LOAD EFF:	95.4&95	3/4 LOAD EFF:	95.4	1/2 LOAD EFF:	94.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	81.5&82	3/4 LOAD PF:	77.5	1/2 LOAD PF:	68	94.5	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
221 LB-FT	1164 / 582	545 LB-FT 246 %	577 LB-FT 261 %	85

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	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
313	311						

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: 1/24/2018

LM15567



Data @ 460 V

Motor Load Data

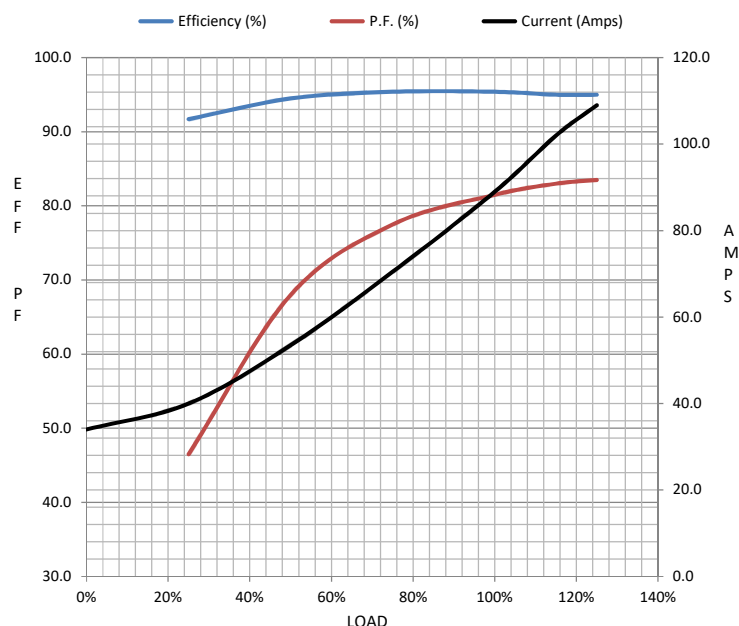
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	34.0	40.0	53.5	70.5	89.0	102	109	582	
Torque (ft-lb)	0.00	55.0	110	165	221	255	277	545	
RPM	1800	1796	1791	1786	1782	1.778	1776	0	
Efficiency (%)		91.7	94.5	95.4	95.4	95.0	95.0		
P.F. (%)	3.5	46.5	68.0	77.5	81.5	83.0	83.5	35.0	

Motor Speed Data

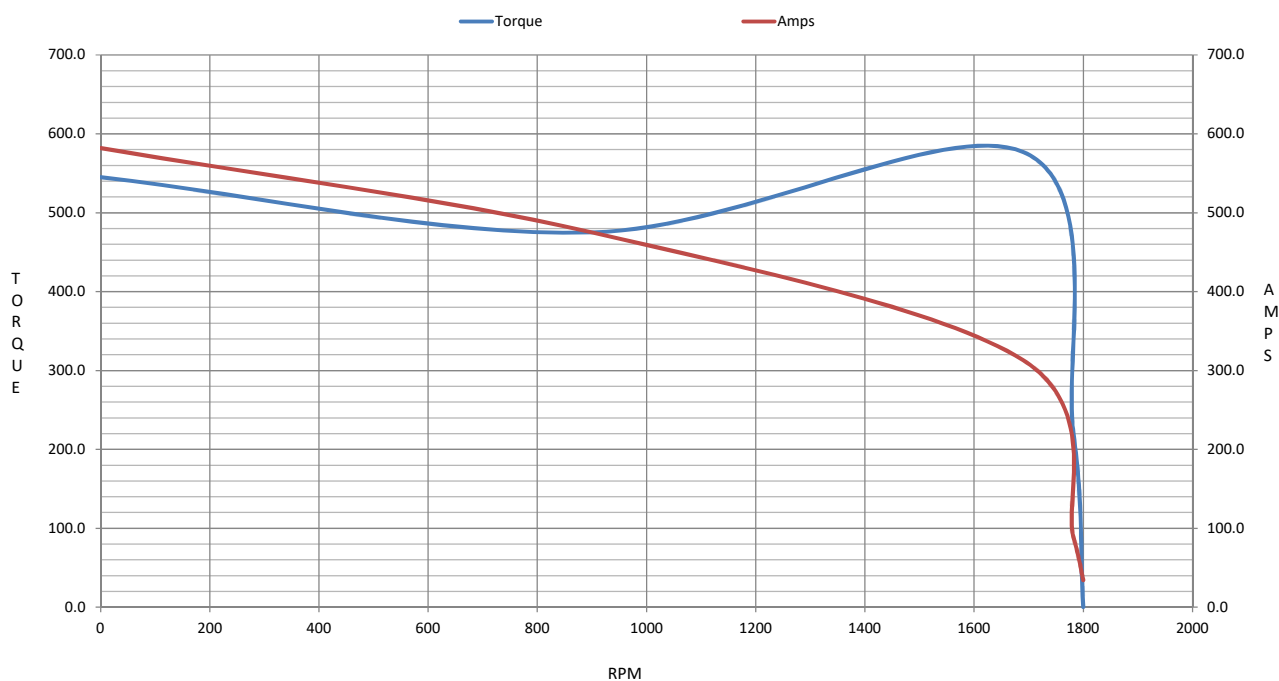
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1690	1782	1800
Current (Amps)	582	475	313	89.0	34.0
Torque (ft-lb)	545	475	577	221	0.00

Information Block

HP	75.0			
Sync. RPM	1800			
Frame	365			
Enclosure	TEFC			
Construction	TFR			
Voltage	230/460#190-208/380-415 V			
Frequency	60	Hz		
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	85	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.00	Lb-Ft²		
Ref Wdg	L3654028	NONE		
Sound Pressure @ 1M	999	dBA		
VFD Rating	NONE			
Outline Dwg	XH2F1SC1-1770			
Conn. Diag	3A217-12			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0420	0.0300	0.2990	0.3820	7.6360



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 : LM15567

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

Catalog No : LM15567

Rework No : N/A

Directives :

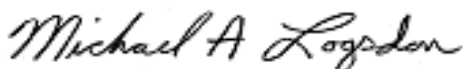
Low Voltage Directive 2014/35/EU

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 01/30/2023

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