

PRODUCT INFORMATION PACKET



Model No: 056T34F99029

Catalog No: 056T34F99029

Jet Pump Motor, 1 & 0.75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 56J Frame,
TEFC



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Nameplate Specifications

Phase	3	Output HP	1 & 0.75 Hp
Output KW	0.75 & 0.56 kW	Voltage	230/460 & 190/380 V
Speed	3450 & 2850 rpm	Service Factor	1.15 & 1.15
Frame	56J	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	78.5 & 81 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	3/1.5 & 2.6/1.3 A	Power Factor	79.1
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	21.2 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	J	Overall Length	12.32 in
Frame Length	6.56 in	Shaft Diameter	0.625 in
Shaft Extension	2.57 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-100771-656	Connection Drawing	EE7308

REQUEST TYPE PART NUMBER DESCRIPTION UM REQUEST DATE ORD QTY REQUESTOR

INDENTED PRODUCT STRUCTURE 100771 00 A4C17NC12A * 3/4 PC 83269 1

LEVEL NUMBER SFCE NUMBER PART NUMBER DESCRIPTION UNIT QUANTITY U/M GROSS USAGE EFFECTIVE DATES IN OUT NET AVAILABLE

1	5	P	005069	02	EXT WIRING DIAG	1.00	PC	1.00	82 272	99 999	
1	5	P	030088	00	OUTLINE	1.00	PC	1.00	82 272	99 999	
1	1	M	100771	01	A4C17NC12A * 3/4	1.00	PC	1.00	82 272	99 999	
2	10	M	015225	02	FRAME/STATOR ASSEM	1.00	PC	1.00	82 272	99 999	
3	11	M	010005	06	FRAME 48 6-5	1.00	PC	1.00	82 272	99 999	
4	4	P	000016	15	16GA MAT'L 6 9/16	1.95	LB	1.95	78 296	99 999	
3	13	M	250717	01	A-55C4G328C-01	1.00	PC	1.00	82 272	99 999	
4	14	M	091000	23	CURE 3.25	1.00	PC	1.00	82 272	99 999	
5	5	P	000532	02	10 X 3 13/16 POLY	-10	LB	-10	78 296	99 999	
5	5	P	001000	01	STAT LAM 48/4 3776	130.00	PC	130.00	78 296	99 999	
4	4	P	200002	05	WDG INSUL C5544-5	1.00	PC	1.00	82 272	99 999	
4	4	P	000175	01	MAG WIRE 17.5 CU	2.40	LB	2.40	82 272	99 999	
4	4	P	000230	01	MAG WIRE 23.0 CU	.75	LB	.75	82 272	99 999	
2	50	M	060005	10	ROTOR/SHAFT ASSEM	1.00	PC	1.00	82 272	99 999	
3	51	M	050001	06	SHAFT	1.00	PC	1.00	82 272	99 999	
4	4	P	000607	01	BAR .750 RD E1144	1.31	LB	1.31	81 264	99 999	
3	52	M	070002	10	3-25CURE 4400 4400	1.00	PC	1.00	82 272	99 999	
4	4	P	000700	01	ROTOR ALUM AL00-0	.70	LB	.70	78 296	99 999	
4	4	P	001001	07	ROTOR LAM 48/4 3767	130.00	PC	130.00	78 296	99 999	
3	255	M	006195	02	CENT. SWITCH 4P-60	1.00	PC	1.00	83 269	99 999	
4	410	P	006191	01	RJT. SWITCH SPOOL	1.00	PC	1.00	82 298	99 999	
4	410	P	006192	01	RJT. SWITCH BASE	1.00	PC	1.00	82 298	99 999	
4	410	P	006193	02	4P ROT SWITCH MGT	2.00	PC	2.00	82 298	99 999	
4	410	P	006194	02	4P ROT SW SPR RED	2.00	PC	2.00	82 298	99 999	
4	410	P	006209	01	GASKET-ROT SWITCH	1.00	PC	1.00	82 298	99 999	
3	295	P	003500	01	FAN 18 GA INT 48	1.00	PC	1.00	82 272	99 999	
3	410	P	006001	01	BEARING SPACER 16	2.00	PC	2.00	82 272	99 999	
3	410	P	002004	03	203 DBL SHD SRI 2	2.00	PC	2.00	82 272	99 999	
2	100	M	400701	14	ENDBELL ASSEMBLY	1.00	PC	1.00	83 269	99 999	
3	150	M	021007	01	MACHINED ENDBELL	1.00	PC	1.00	83 269	99 999	
4	151	M	020007	01	AL ENB 9ICB 203 EN	1.00	PC	1.00	83 097	99 999	
5	410	P	006000	03	BRG INSERT 203	1.00	PC	1.00	83 073	99 999	
5	5	P	000701	01	ALUMINUM 380 3X	.70	LB	.70	83 122	99 999	
3	265	M	002750	01	STATIONARY SWITCH	1.00	PC	1.00	83 236	99 999	
4	410	P	006138	01	EYELET - RIVET	7.00	PC	7.00	81 173	99 999	
4	410	P	006138	02	EYELET - RIVET	2.00	PC	2.00	81 173	99 999	

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INDENTED PRODUCT STRUCTURE 100771 00 A4C17NC12A * 3/4 PC 83269 1

LEVEL NUMBER	PART SRCE NUMBER	PART DESCRIPTION	UNIT QUANTITY U/M	GROSS USAGE	EFFECTIVE DATES IN	EFFECTIVE DATES OUT	NET AVAILABLE
4	410	P 006139 01 WEAR BUTTON	2.00 PC	2.00	81 173	99 999	
4	410	P 006140 01 REED TENSOR	1.00 PC	1.00	81 173	99 999	
4	410	P 006141 01 REED TENSOR W/TERM	1.00 PC	1.00	81 173	99 999	
4	410	P 006142 01 REED STAT SWITCH	1.00 PC	1.00	81 173	99 999	
4	410	P 006143 01 REED RETAINER	1.00 PC	1.00	81 173	99 999	
4	410	P 006144 01 UPPER CONTACT STOP	1.00 PC	1.00	81 173	99 999	
4	410	P 006146 01 STAT. SWITCH BASE	1.00 PC	1.00	81 173	99 999	
4	410	P 006157 01 CONTACT RIVET ASSEM	1.00 PC	1.00	81 173	99 999	
5	410	P 006137 02 CONTACT RIVET	1.00 PC	1.00	83 059	99 999	
5	410	P 006145 01 CONTACT TERMINAL	1.00 PC	1.00	83 059	99 999	
4	410	P 006158 01 REED CONTACT RIVET	1.00 PC	1.00	81 173	99 999	
5	410	P 006137 02 CONTACT RIVET	1.00 PC	1.00	83 059	99 999	
5	410	P 006142 01 REED STAT SWITCH	1.00 PC	1.00	83 059	99 999	
3	285	P 300020 01 PROT AUTO CEJ53CY	1.00 PC	1.00	83 236	99 999	
3	400	P 000800 01 A-L68188L-8 (PI)	.67 FT	.67	83 236	99 999	
3	400	P 000824 01 A-L68188L-8	.67 FT	.67	83 236	99 999	
3	460	P 009000 01 TFS 8-32X-.38 PP ZP	2.00 PC	2.00	83 236	99 999	
3	460	P 009000 03 TFS 8-32X-.50 PP ZP	4.00 PC	4.00	83 236	99 999	
3		P 003900 01 TERM.BRD./BOX BOT.	1.00 PC	1.00	83 236	99 999	
2	150	M 021016 03 MACHINED ENBL CAST	1.00 PC	1.00	82 272	99 999	
3	151	P 020016 01 IRON C FACE S56 EN	1.00 PC	1.00	78 296	99 999	
2	225	P 003203 01 CONDUIT BOX COVER	1.00 PC	1.00	82 272	99 999	
2	235	P 003007 11 CAP 99MFD 250V/RES	1.00 PC	1.00	82 272	99 999	
2	245	P 003104 01 CAPACITOR CASE	1.00 PC	1.00	82 272	99 999	
2	350	P 003800 03 8-32X 7 3/4 T-BOLT	4.00 PC	4.00	82 272	99 999	
2	360	P 004300 03 NAVY SPRING	1.00 PC	1.00	82 272	99 999	
2	360	P 004301 01 SHIM .060 THK 203	1.00 PC	1.00	82 272	99 999	
2	380	M 880201 01 JUMPER ASSEMBLY	1.00 PC	1.00	82 272	99 999	
3	400	P 000802 01 A-L68188L-8 (T5)	.67 FT	.67	78 296	99 999	
3	410	P 006010 02 FLAG FASTON	1.00 PC	1.00	78 296	99 999	
2	380	M 880310 02 JUMPER ASSEMBLY	1.00 PC	1.00	82 272	99 999	
3	380	M 880201 01 JUMPER ASSEMBLY	1.00 PC	1.00	63 224	99 999	
4	400	P 000802 01 A-L68188L-8 (T5)	.67 FT	.67	78 296	99 999	
4	410	P 006010 02 FLAG FASTON	1.00 PC	1.00	78 296	99 999	
3	380	M 882403 01 JUMPER ASSEMBLY	1.00 PC	1.00	83 224	99 999	
4	400	P 000824 03 A-L68188L-10	.84 FT	.84	83 224	99 999	

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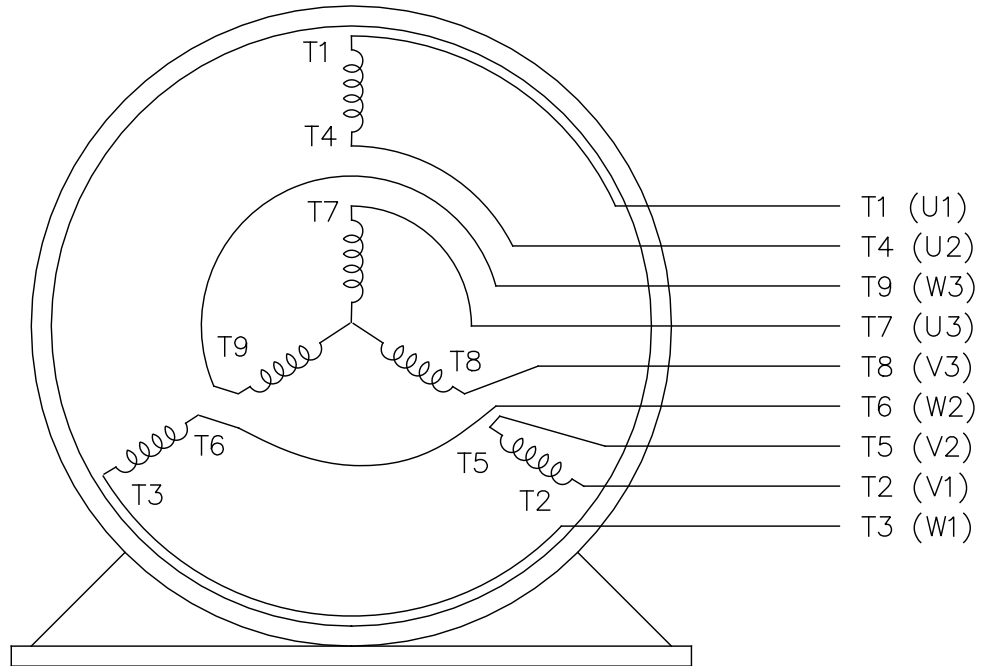
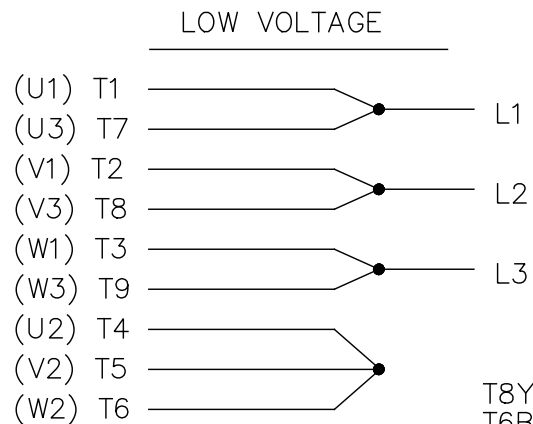
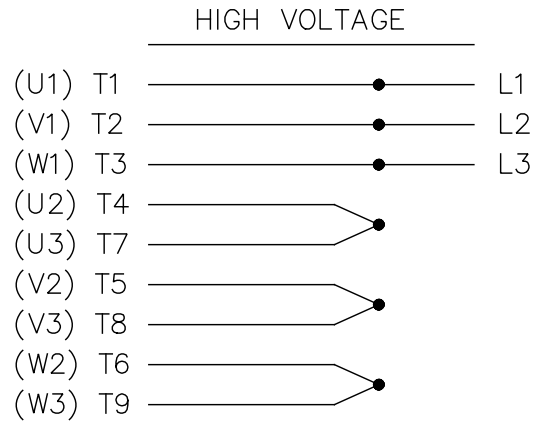
INDENTED PRODUCT STRUCTURE 100771 00 A4C17NC12A * 3/4 PC 83269 1

LEVEL NUMBER	PART SRCE NUMBER	PART DESCRIPTION	UNIT QUANTITY U/M	GROSS USAGE	EFFECTIVE DATE IN	DATES OUT	NET AVAILABLE
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4	410	P 006010 02	FLAG FASTON	1.00	PC	1.00	83 224	99 999
3	400	P 000803 10	A-L63188L-6 (16)	.50	FT	.50	76 296	99 999
3	410	P 006010 02	FLAG FASTON	2.00	PC	2.00	78 296	99 999
2	410	P 006002 01	KEY 3/16 X 1.38	1.00	PC	1.00	82 272	99 999
2	410	P 006007 01	C3N BEX COVER GASK	1.00	PC	1.00	82 272	99 999
2	410	P 006023 01	HOLE PLUG	1.00	PC	1.00	82 272	99 999
2	410	P 006028 01	LEAD HOLE BUSHING	1.00	PC	1.00	82 272	99 999
2	410	P 006053 02	INSULATION DISC	1.00	PC	1.00	82 272	99 999
2	410	P 006093 01	CAP CASE GASKET	1.00	PC	1.00	82 272	99 999
2	460	P 009000 01	IFS 8-32X.38 PP 7P	4.00	PC	4.00	82 272	99 999
2	470	P 305000 01	DK BLUE AQUA ENML	.01	GA	.01	82 272	99 999
2	480	P 004102 01	DECAL	1.00	PC	1.00	82 272	99 999
2	480	P 004130 01	MYLAR NAMEPLATE	1.00	PC	1.00	82 272	99 999
2	480	P 080089 01	DECAL	1.00	PC	1.00	82 272	99 999
2	700	M 307001 01	INDIVIDUAL CARTON	1.00	PC	1.00	82 272	99 999
3		P 306004 01	CARTON LEESON	1.00	PC	1.00	76 296	99 999
3		P 306101 01	PLYWOOD SKID	1.00	PC	1.00	78 296	99 999
3		P 306102 01	LINER	1.00	PC	1.00	78 296	99 999
3		P 306173 01	WOOD PALLET 36X42	.02	PC	.02	78 296	99 999

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			SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.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 ee7308	SIZE A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					



Regal Beloit America, Inc.



**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

**CERTIFICATION DATA SHEET
CUSTOMER PO#:**

CUSTOMER:

ORDER #:

MODEL #: 56T34F99029 A

CONN. DIAGRAM: EE7308

CUSTOMER PART #:

OUTLINE: A-100771-656

MOUNTING: F1 ONLY

WINDING #: ZT2107 R4 3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1&3/4	0.75&0.56	3600	3450&2850	56J	TEFC	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	3/1.5&2.6/1.3	ACROSS THE LINE	CONTINUOUS	B3	1.15/1.15	40

FULL LOAD EFF:	78.5&81	3/4 LOAD EFF:	79.4	1/2 LOAD EFF:	73.9	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	79.1&81	3/4 LOAD PF:	75.8	1/2 LOAD PF:	64	72	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
1.5 LB-FT	20 / 10	3.2 LB-FT 213 %	4.8 LB-FT 320 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	0.023 LB-FT^2	2 LB-FT^2	10 SEC.	2	24 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	PROVISIONS ONLY	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JET PUMP	NONE	NONE	416 STAINLESS (C-503)	ROLLED STEEL
6203	6203						

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: 1/3/2019
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



56T34F99029

Submittal

Data @ 460 V

Motor Load Data

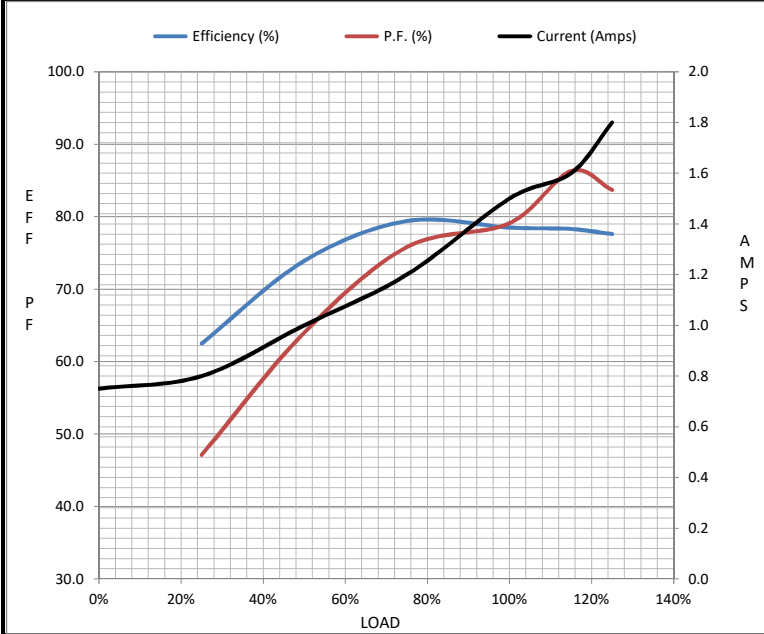
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.75	0.80	1.00	1.20	1.50	1.60	1.80	10.0	
Torque (ft-lb)	0.00	0.37	0.75	1.15	1.50	1.75	1.90	3.2	
RPM	3600	3569	3540	3525	3485	3465	3450	0	
Efficiency (%)		62.5	73.9	79.4	78.5	78.3	77.6		
P.F. (%)	20.1	47.1	64.0	75.8	79.1	86.3	83.7	64.0	

Motor Speed Data

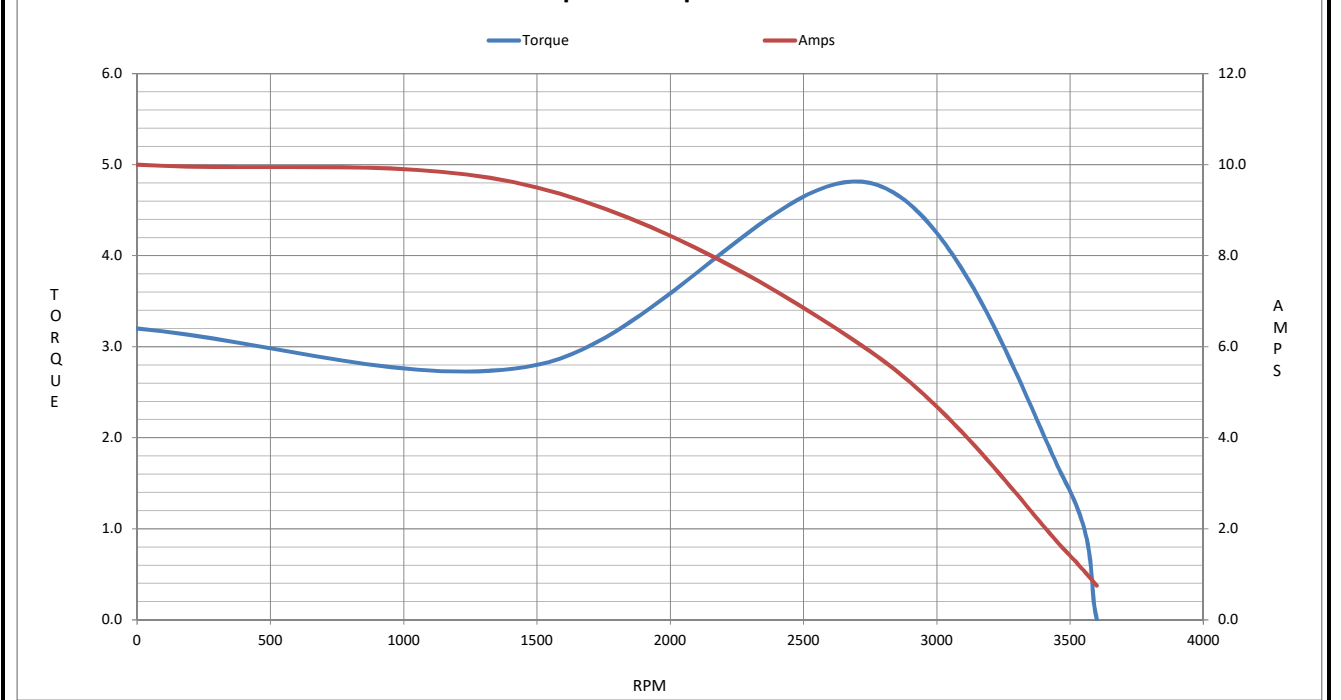
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1500	2750	3485	3600
Current (Amps)	10.0	9.5	5.9	1.50	0.75
Torque (ft-lb)	3.2	2.80	4.8	1.50	0.00

Information Block

HP	1.0			
Sync. RPM	3600			
Frame	56			
Enclosure	TEFC			
Construction	TS			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	45 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3300 feet			
Rotor/Shaft wk ²	0.02 Lb-Ft ²			
Ref Wdg	ZT2107 R4			
Sound Pressure @ 1M	68 dBA			
VFD Rating	NONE			
Outline Dwg	A-100771-656			
Conn. Diag	EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
12.0700	6.3620	17.3240	11.2460	349.3200



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 : 056T34F99029

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

Catalog No : J063A

Rework No : N/A

Directives :

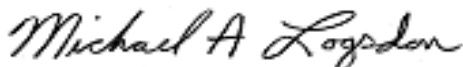
Low Voltage Directive 2014/35/EU

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