

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 056T34F15601
Catalog No: J066A
3,3600,TEFC,56HJ,3/60/230/460
Jet Pump



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REGAL[®]



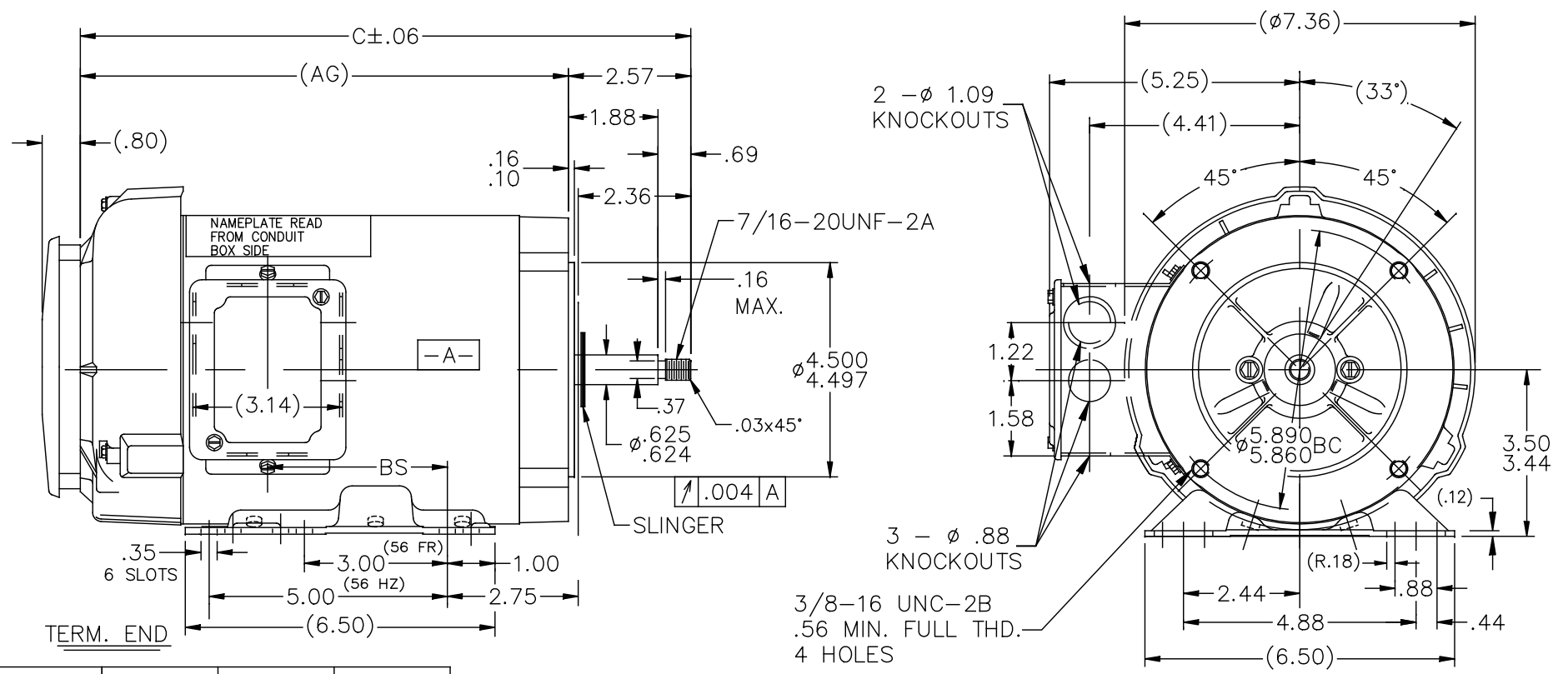
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	7.6/3.8 A	Speed	3450 rpm
Service Factor	1.15	Phase	3
Efficiency	87.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	M	Frame	56HJ
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal Or Shaft Down
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	J
Overall Length	14.82 in	Frame Length	9.06 in
Shaft Diameter	0.625 in	Shaft Extension	2.57 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	A-108224-906	Connection Diagram	EE7308

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DASH	C	AG	BS
606	11.82	9.25	2.78
656	12.32	9.75	3.28
706	12.82	10.25	3.78
806	13.82	11.25	4.78
906	14.82	12.25	5.78

NOTES: CONDUIT BOX CAN BE ROTATED 180°
REMOVABLE BASE

		TOLERANCES UNLESS SPECIFIED		REGAL™ Regal Beloit America, Inc.		DRAWN KR 09/29/2014
		DEC.	INCHES			CHK SM 09/29/2014
		.X	±.1			APPD
		.XX	±.03	TITLE OUTLINE		SCALE 1:1
B	ADDED DASH # 906	SL 04/20/16	PVR .XXX ±.005	56 FR.-BB-TEFC-C' FACE-3φ (DIST.)		REF 100801
A	CREATED NEW OUTLINE DRW. PER ECO-0060937	KR 09/29/14	SM .XXXX ±.0005	MAT'L.		FMF
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	CAD FILE 108224	SIZE A
				DIST WP		DRAWING NO. PAGE 1 OF 1 REV. B
						108224



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

Model#: 56T34F15601 A WINDING#: ZT2175 FR 1
 CONN. DIAGRAM: EE7308 ASSEMBLY: F1 ONLY
 OUTLINE: A-108224-906

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&2	2.24&1.49	3600	3450&2850	56HJ	TEFC	M	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	7.6/3.8&6.4/3. 2	ACROSS THE LINE	CONTINUOU S	F3	1.15/1.15	40	3300

FULL LOAD EFF: 87.5&87.5	3/4 LOAD EFF: 87.9	1/2 LOAD EFF: 85.8	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84&80	3/4 LOAD PF: 78.4	1/2 LOAD PF: 67.3	85.5	SQ CAGE IND RUN	3.4 / 1.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	73.8 / 36.9	17.29 LB-FT 384	22.7 LB-FT 504	57

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	0.045 LB-FT^2	5 LB-FT^2	10 SEC.	2	43.6 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 OR SHAFT DOWN	FALSE	NONE	TRUE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	JET PUMP	NONE	NONE	416 STAINLESS (C-503)	ROLLED STEEL
6205	6203						

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

If Inverter equals NONE, contact factory for further information

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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Submital

Data @ 460 V

Date: 8/18/2017
 Customer:
 Attention:
 Submitted by: VINAYAK VERARTE

Motor Load Data

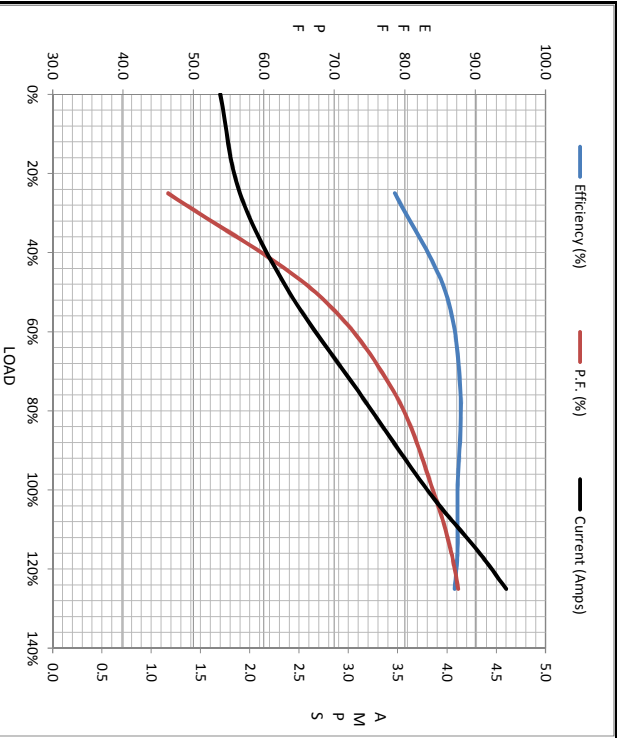
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	1.90	2.40	3.1	3.8	4.3	4.6	36.9
Torque (ft-lb)	0.00	1.10	2.22	3.4	4.5	5.2	5.7	17.3
RPM	3600	3577	3555	3530	3505	3,485	3475	0
Efficiency (%)		78.6	85.8	87.9	87.5	87.5	87.1	
P.F. (%)	11.0	46.4	67.3	78.4	84.0	86.5	87.6	71.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	230	2385	3505	3600
Current (Amps)	36.9	38.3	27.2	3.8	1.70
Torque (ft-lb)	17.3	16.6	22.7	4.5	0.00

Information Block

HP	3.0			
Sync. RPM	3600			
Frame	145			
Enclosure	TEFC			
Construction	TFR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	57 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wkt	0.05 Lb-Ft²			
Rel Wdg	ZT2175 FR			
Sound Pressure @ 1M	68 dBA			
VFD Rating	NONE			
Outline Dwg	A-108224-906			
Conn. Diag	EE7308			
Additional Specifications:				
0				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

