

PRODUCT INFORMATION PACKET

Model No: 056B34D15538

Catalog No: C1270A

3 HP General Purpose Motor, 1 phase, 3600 RPM, 230 V, 56H Frame, ODP
Single Phase ODP Motors





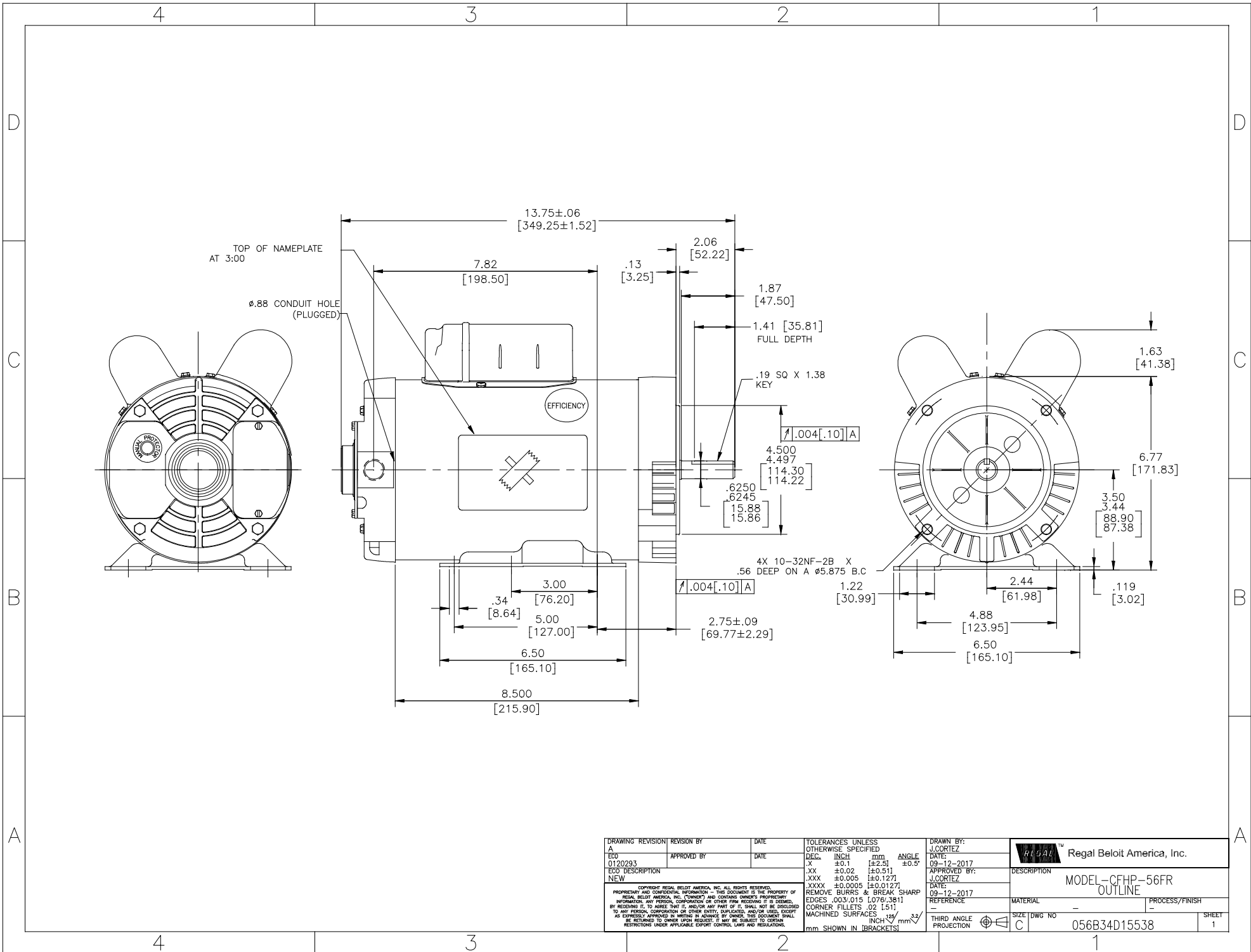
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230 V
Current	12.4 A	Speed	3450 rpm
Service Factor	1.15	Phase	1
Efficiency	84 %	Power Factor	98.6
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
Frame	56H	Enclosure	Drip Proof
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	13.75 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Assembly/Box Mounting	F1 ONLY		

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DRAWING REVISION		REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED		DRAWN BY:		Regal Beloit America, Inc.		
A				DEC.	INCH	mm	ANGLE	J. CORTEZ		
ECO	0120293	APPROVED BY	DATE	.X	±0.1	±2.5	±0.5°	DATE:	09-12-2017	
ECO DESCRIPTION	NEW			.XX	±0.02	±0.51		APPROVED BY:	J. CORTEZ	
				.XXX	±0.005	±0.127		DATE:	09-12-2017	
				.XXXX	±0.0005	±0.0127		REFERENCE		
				REMOVE BURRS & BREAK SHARP EDGES .003/.015 [076/.381]				MATERIAL		PROCESS/FINISH
				CORNER FILLETS .02 [51]						
				MACHINED SURFACES				SIZE DWG NO	056B34D15538	SHEET
				mm SHOWN IN BRACKETS				THIRD ANGLE PROJECTION		1



CERTIFICATION DATA SHEET

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

CUSTOMER:
ORDER #:
CONN. DIAGRAM: TBD

CUSTOMER PO #:
MODEL #: 56B34D15538 A
CUSTOMER PART
#: MOUNTING: F1 ONLY

OUTLINE: TBD
WINDING #: ZB224 4

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
3	2.24	3600	3450	56H	DP	H	L	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	12.4	ACROSS THE LINE	CONTINUOUS	F3	1.15	40

FULL LOAD EFF:	84	3/4 LOAD EFF:	83.2	1/2 LOAD EFF:	78.6	GTD. EFF	0	ELEC. TYPE
FULL LOAD PF:	98.6	3/4 LOAD PF:	99.4	1/2 LOAD PF:	99.1	CAP START	CAP RUN	

F.L. TORQUE LB-FT	LOCKED ROTOR AMPS	L.R. TORQUE LB-FT	0 %	B.D. TORQUE LB-FT	- %	F.L. RISE°C
7.45	135	13.8	19.8	75		

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

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (POWDER)
BEARINGS DE ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
BALL BALL NONE NONE	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL		

THERMO-PROTECTORS				THERMISTORS			CONTROL		SPACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDS	BRG RTDS	NONE	FALSE	NONE	NONE	VOLTS		
NONE	MANUAL	NONE	NONE							

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

PREPARED BY: Sumanth Raja Ghanta
DATE: 10/09/2018 03:54:57 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

Volts

HP 3.00

PHASE 1

Model No 56B34D15538

60

HZ

VOLTS 230

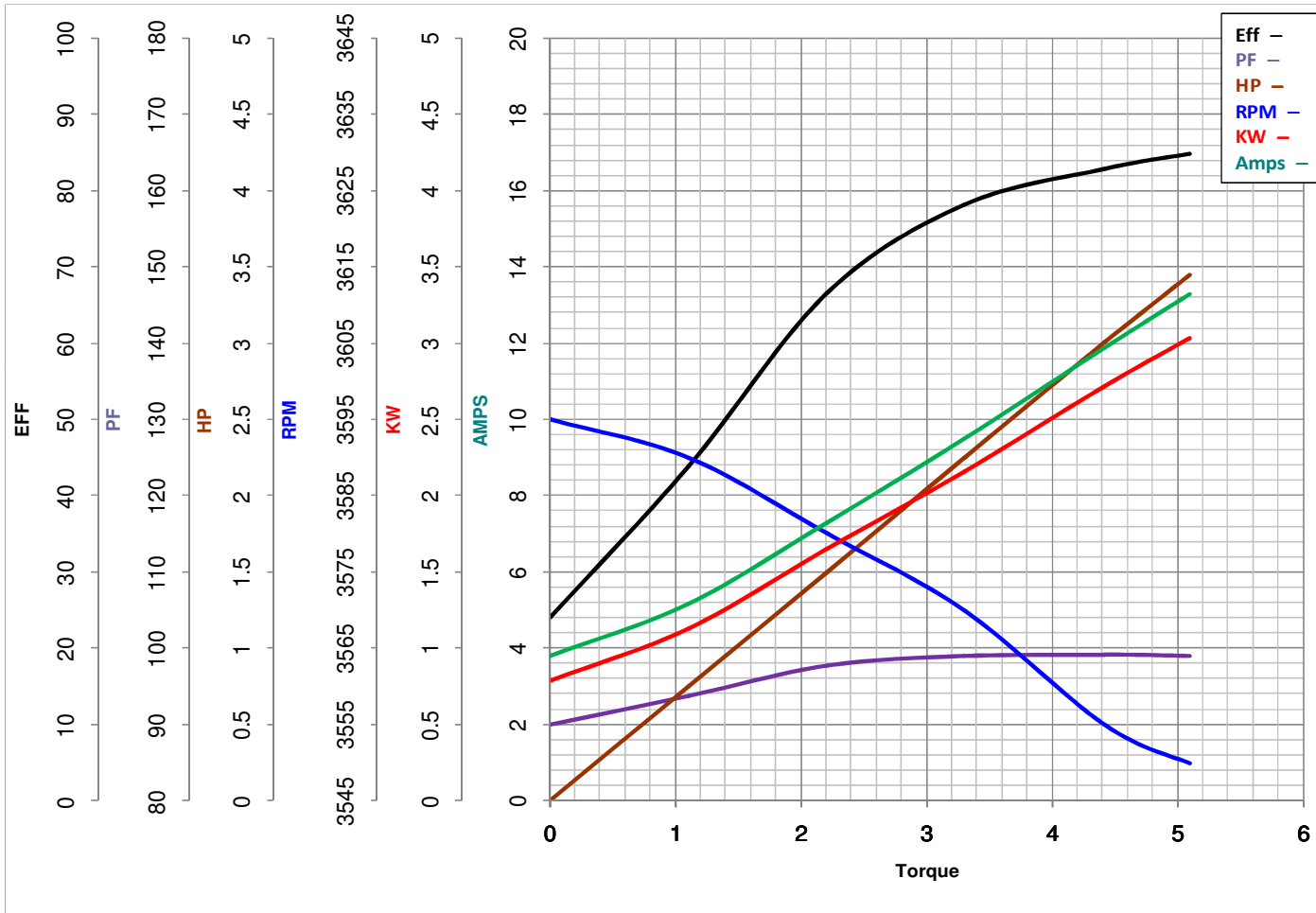
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HP

Catalog No C1270A

HZ 60

RPM 3450



Torque in LB-FT

FL TORQUE 4.42 LB-FT
BD TORQUE 19.8 LB-FT
LR TORQUE 13.8 LB-FT

FL AMPS 12.4
PU TORQUE 13.6 LB-FT
LR AMPS 135

WINDING ZB224-4

Date 1/11/2019