

PRODUCT INFORMATION PACKET

Model No: 100050.00

Catalog No: 100050.00

General Purpose Motor, 0.75 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, S56C Frame, DP



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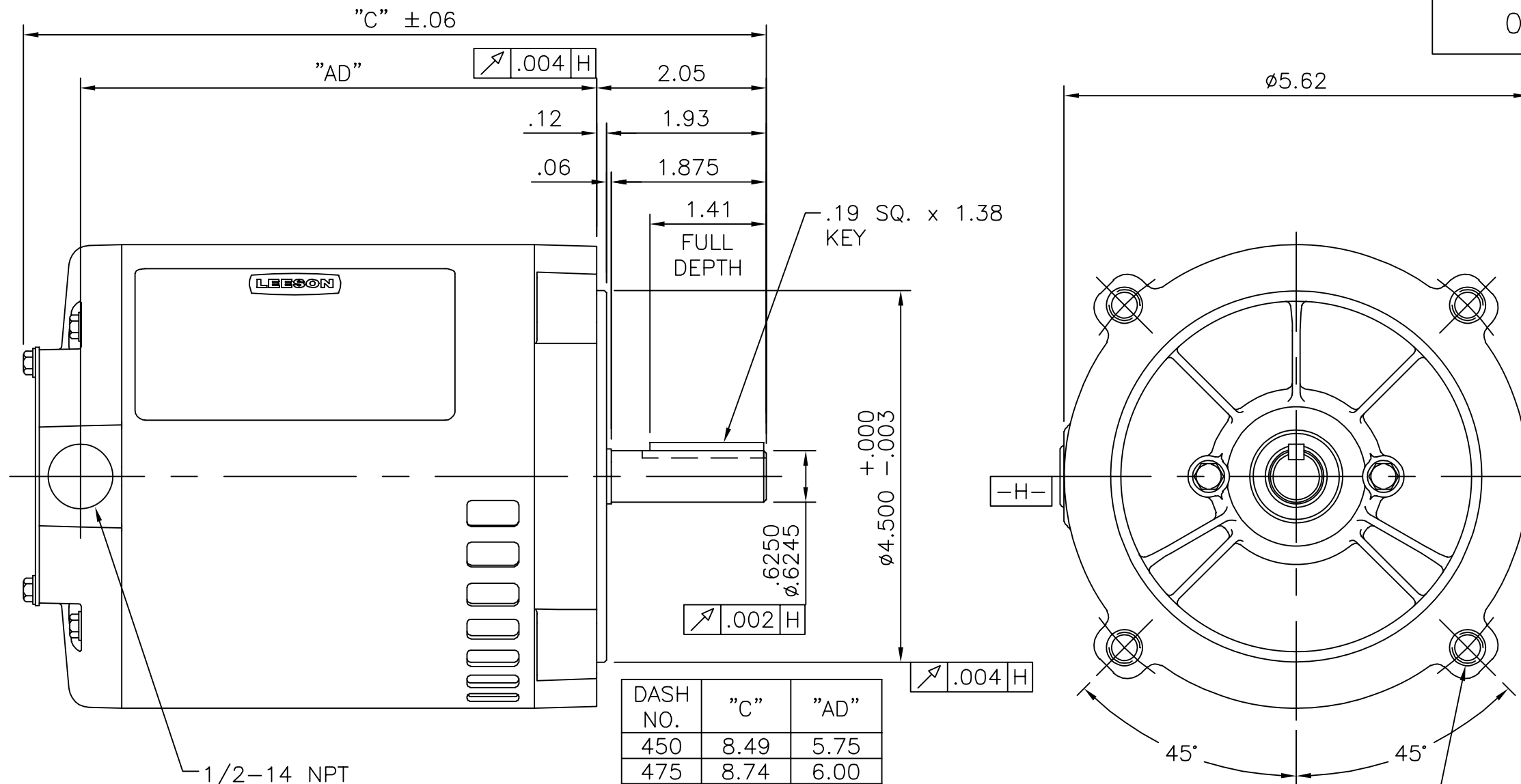
Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	230/460 V
Current	2.8/1.4 A	Speed	1725 rpm
Service Factor	1.25	Phase	3
Efficiency	75 %	Power Factor	67
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	L
Frame	S56C	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	5.786 Ohms	Mounting	Round
Motor Orientation	HORIZONTAL	Drive End Bearing	BALL
Opp Drive End Bearing	BALL	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	10.49 in
Frame Length	6.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 Only
Outline Drawing	031630-650	Connection Drawing	005010.01

031630



1/2-14 NPT
CONDUIT HOLE
(PLUGGED)

DASH NO.	"C"	"AD"
450	8.49	5.75
475	8.74	6.00
500	8.99	6.25
525	9.24	6.50
550	9.49	6.75
575	9.74	7.00
600	9.99	7.25
625	10.24	7.50
650	10.49	7.75
675	10.74	8.00
700	10.99	8.25
750	11.49	8.75

TOLERANCES
UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

REGAL™ Regal Beloit America, Inc.

DRAWN PG 5/24/01

CHK

APPD

SCALE 1=2

REF 031070

FMF 100048

PREV

NO.	REVISION	BY & DATE	CHK	ANG
03	ADDED DASH # 750	PVR 01/14/15	SM	.XX ±.03
02	ADDED DASH NO. 700	KMM 4/19/05	PG	.XXX ±.005
01	UPDATED CALLOUT OF GD&T	KMM 6/5/02	PG	.XXXX ±.0005

TITLE	MAT'L.	FINISH
OUTLINE - S56C FRAME "C" FACE MOUNT - DRIP PROOF	3 PHASE	

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RFP	CAD FILE	031630
DIST		

SIZE	DRAWING NO.	REV.
A	031630	03

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TOLERANCES UNLESS SPECIFIED		REGAL ™ Regal Beloit America, Inc.		DRAWN RDW 04/12/02			
				DEC.	INCHES			CHK			
				.X	±.1			APPD			
				.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR		SCALE 1=1			
				.XXX	±.005			REF FIG.2-51			
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	MAT'L DECAL - 004014		FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	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	04/12/02	CAD FILE		00501001	SIZE	DRAWING NO.	REV.
				DIST		BRF-NLV		A	005010-01	A	



**1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810**

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01

CATALOG #:

OUTLINE: 031630-650

MOUNTING: F1 ONLY

WINDING #: TE48412 DR 3 D

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	0.56	1800	1725	S56C	DP	L	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	2.8/1.4	ACROSS THE LINE	CONTINUOUS	B3	1.25	40

FULL LOAD EFF:	75	3/4 LOAD EFF:	73	1/2 LOAD EFF:	66.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	67	3/4 LOAD PF:	62	1/2 LOAD PF:	50	72	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
36 OZ-FT	17.2 / 8.6	137.6 OZ-FT 377 %	162 OZ-FT 444 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
56 dBA	66 dBA	0.055 LB-FT^2	0 LB-FT^2	10 SEC.	0	22 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	MULTEMP SRL	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

*
N
O
T
E
S

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

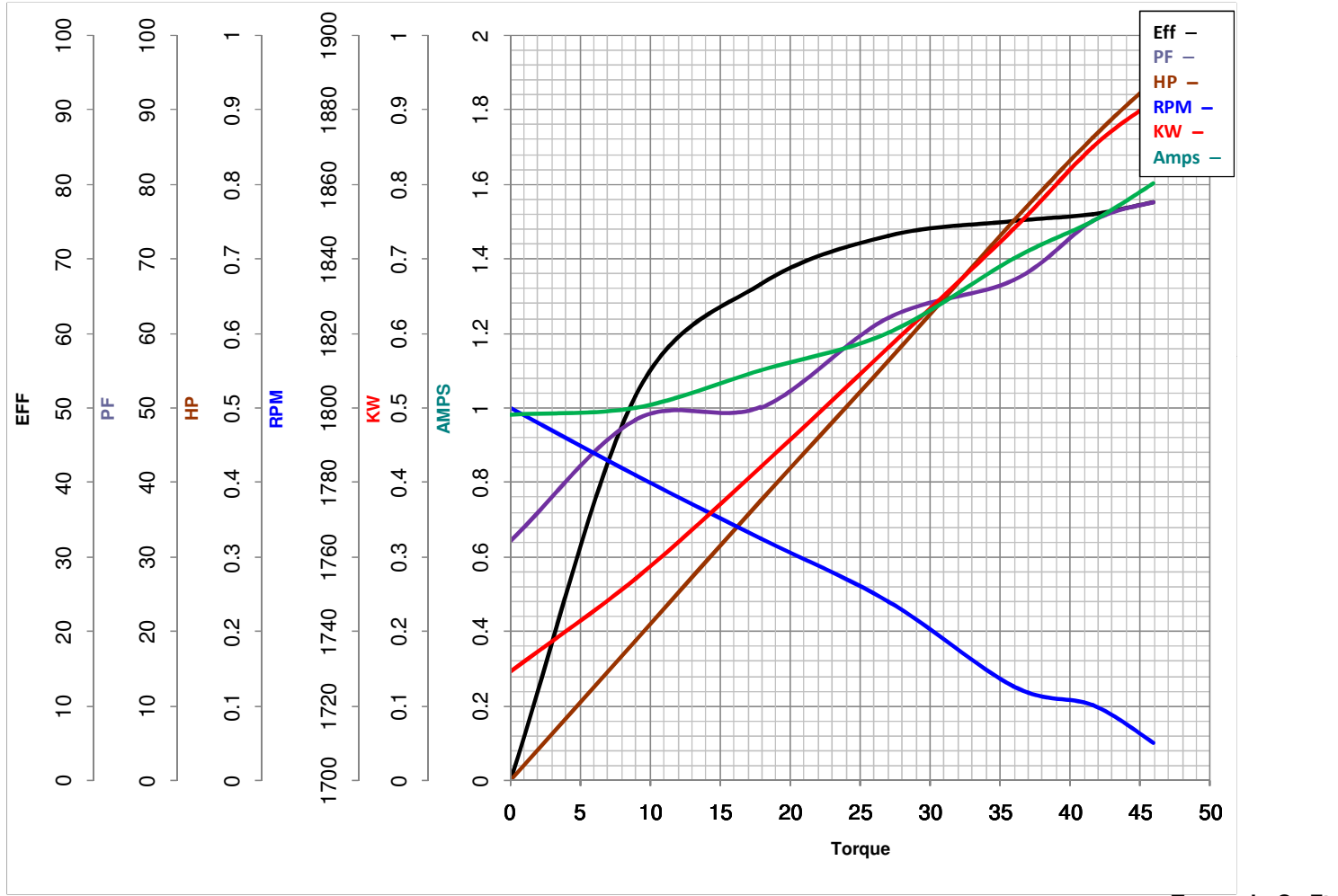


LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 100050.00

Catalog No 100050.00

Curve at 460 Volts HP 0.75 PHASE 3
60 HZ
0.75 HP VOLTS 230/460
HZ 60 RPM 1725



FL TORQUE	<u>36</u>	Oz.Ft	FL AMPS	<u>2.8/1.4</u>	
BD TORQUE	<u>162.0</u>	Oz.Ft	PU TORQUE	<u>154.6</u>	Oz.Ft
LR TORQUE	<u>137.6</u>	Oz.Ft	LR AMPS	<u>8.6</u>	
WINDING	TE48412-3		Date	6/5/2018	