

# PRODUCT INFORMATION PACKET

Model No: 100378.00

Catalog No: 100378.00

General Purpose Motor, 0.75 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, S56C Frame, DP



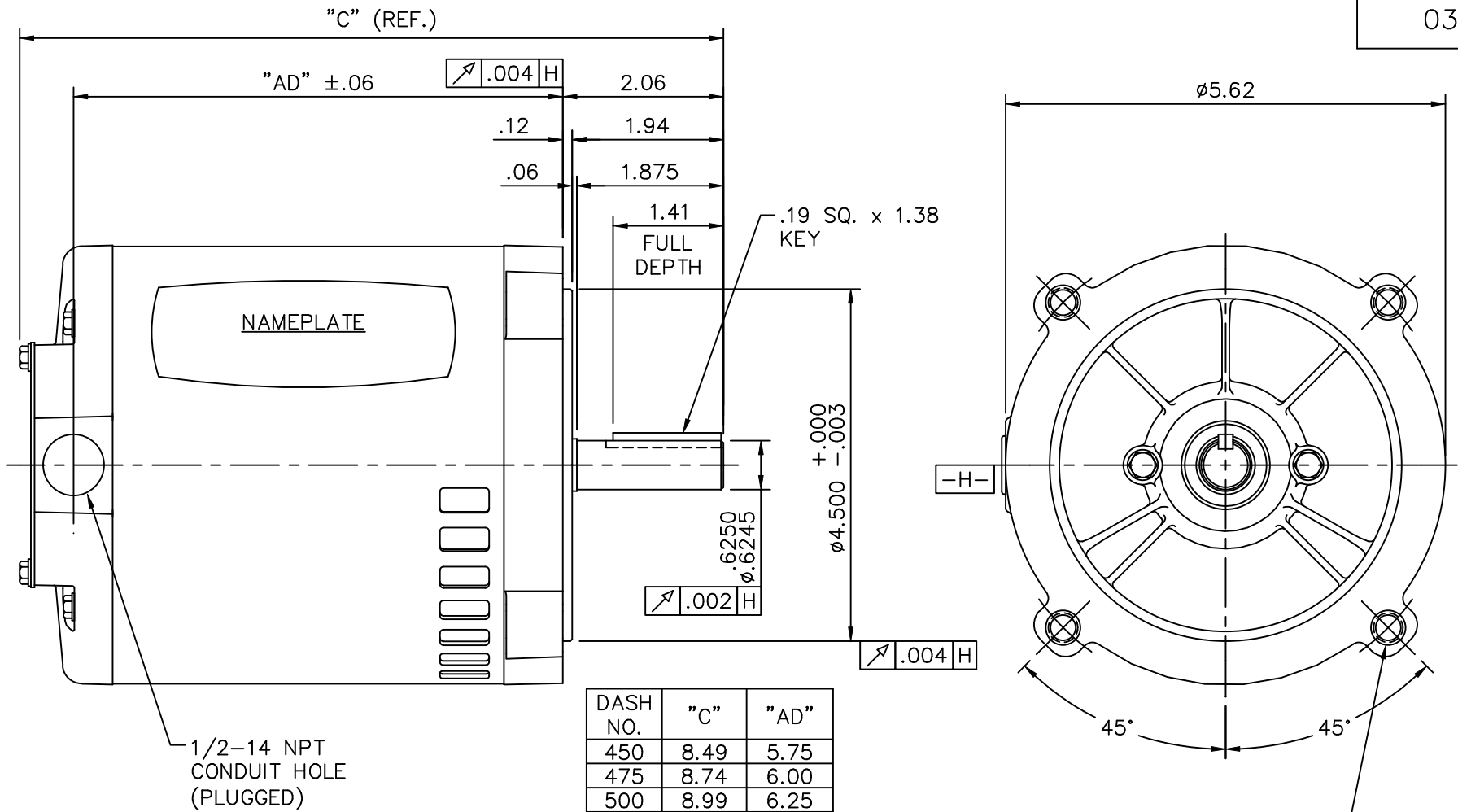
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### Nameplate Specifications

Output HP	<b>0.75 Hp</b>	Output KW	<b>0.56 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>2.4/1.2 A</b>	Speed	<b>3450 rpm</b>
Service Factor	<b>1.25</b>	Phase	<b>3</b>
Efficiency	<b>79 %</b>	Power Factor	<b>74</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>No Design Code</b>	KVA Code	<b>K</b>
Frame	<b>S56C</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6203</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>	IP Code	<b>22</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>6.85 Ohms</b>	Mounting	<b>Round</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>NEMA 56</b>	Overall Length	<b>9.49 in</b>
Frame Length	<b>5.50 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>1.88 in</b>	Assembly/Box Mounting	<b>F1 Only</b>
Connection Drawing	<b>005010.01</b>	Outline Drawing	<b>031798-550</b>



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



ELECTRIC MOTORS  
GEARMOTORS  
AND DRIVES

DRAWN	PG 02/15/05
CHK	
APPD	PG 02/15/05
SCALE	1=2
REF	031630
FMF	100056.00
PREV	

TITLE  
OUTLINE - S56C FRAME  
"C" FACE MOUNT - DRIP PROOF

MAT'L. 3 PHASE

FINISH

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
				.X	±.1
				.XX	±.03
				.XXX	±.005
				.XXXX	±.0005
				ANG	±1/2°

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RFP  
DIST

CAD FILE 031798

SIZE A DRAWING NO.

031798

REV.

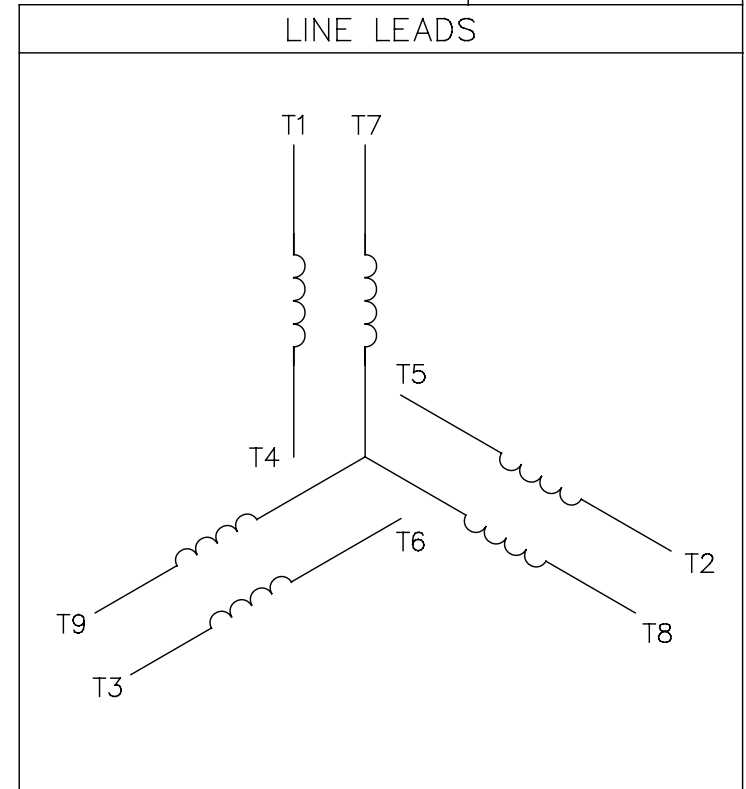
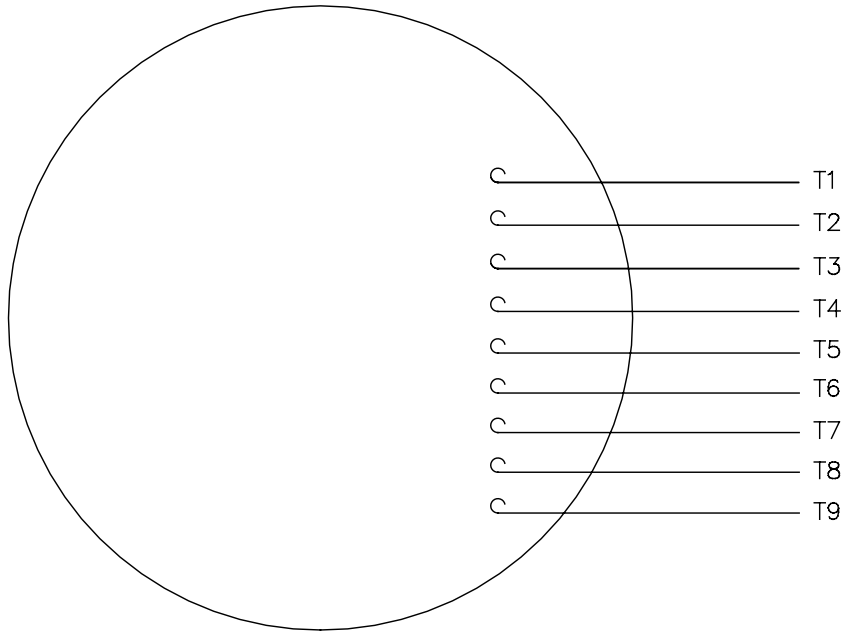
```
ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--
```

```
STACK:
```

```
/im  
-savelevel-
```

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		<b>REGAL</b> ™ <b>Regal Beloit America, Inc.</b>		DRAWN RDW 04/12/02				
				DEC.	INCHES			CHK				
				.X	±.1			APPD				
				.XX	±.01			SCALE 1=1				
				.XXX	±.005	TITLE		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			
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				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 #:** 100378.00

**OUTLINE:** 031798-550

**MOUNTING:** F1 ONLY

**WINDING #:** T5527 DR 3 A

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4&3/4	0.56&0.56	3600	3450&2850	S56C	DP	K	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&208-230/460	2.4/1.2&2.8/1.4	ACROSS THE LINE	CONTINUOUS	B4	1.25/1.25	40

FULL LOAD EFF:	79&74	3/4 LOAD EFF:	74.7	1/2 LOAD EFF:	69.8	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	74&68	3/4 LOAD PF:	72	1/2 LOAD PF:	61.9	0	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
18 OZ-FT	17.1 / 8.5	53.6 OZ-FT 0 %	73.3 OZ-FT 0 %	22.5

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.02 LB-FT^2	0 LB-FT^2	10 SEC.	0	0 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	POLYREX EM	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

<b>INVERTER TORQUE:</b> NONE
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE
NONE NONE
NONE NONE PPR
<b>BRAKE:</b> NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz



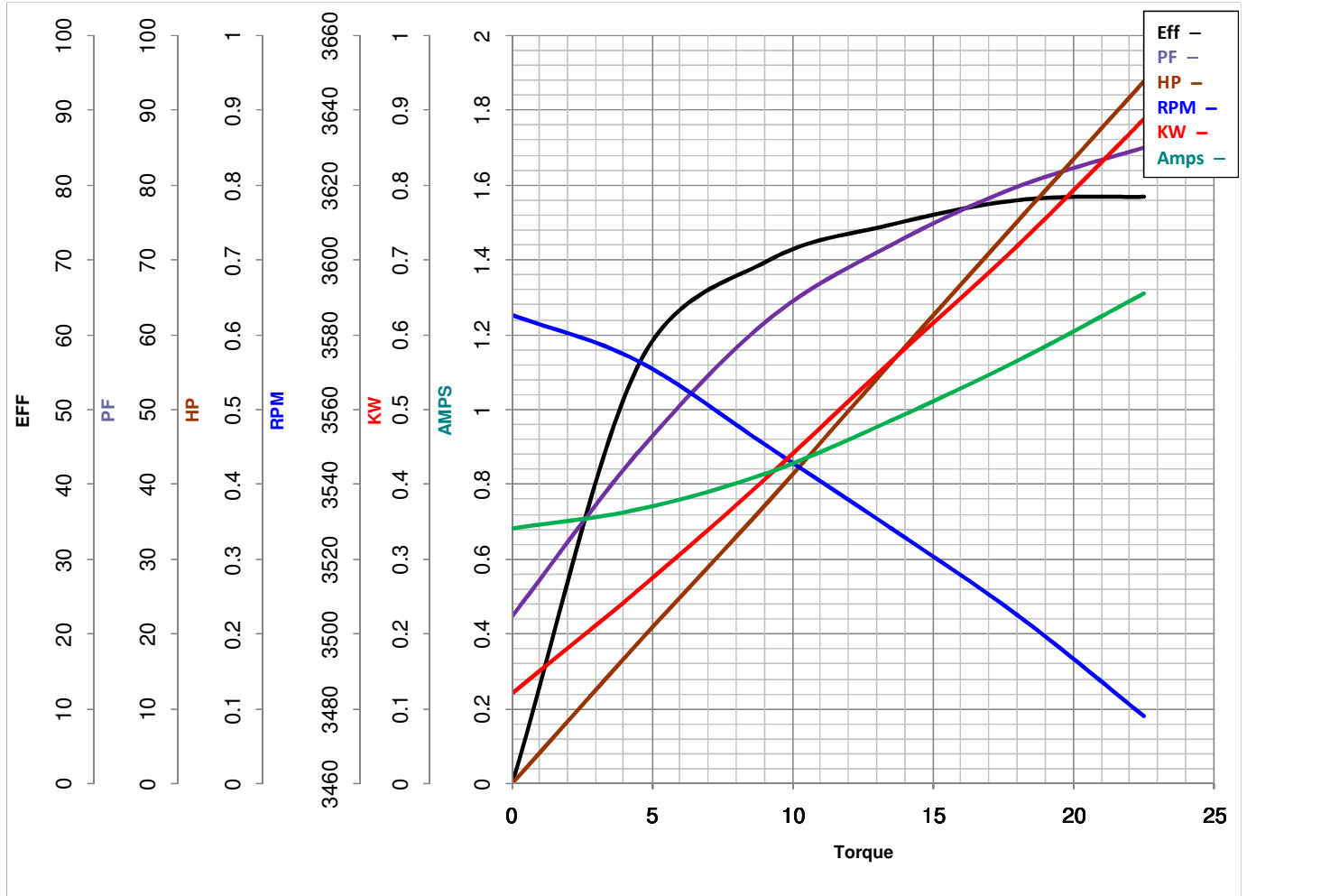
**LEESON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 100378.00

Catalog No 100378.00

Curve at 460 Volts      HP 0.75&0.75      PHASE 3  
60 HZ  
0.75 HP      VOLTS 230/460&208-230/460

HZ 60&50      RPM 3450&2850



FL TORQUE	<u>18</u>	Oz.Ft	FL AMPS	<u>2.4/1.2</u>	
BD TORQUE	<u>73.3</u>	Oz.Ft	PU TORQUE	<u>48.0</u>	Oz.Ft
LR TORQUE	<u>53.6</u>	Oz.Ft	LR AMPS	<u>8.54</u>	
WINDING	T5527-3		Date	5/22/2018	