

# PRODUCT INFORMATION PACKET



Model No: 191507.00

Catalog No: 191507.00

SST Duck™ General Purpose Motor, 0.50 & 0.33 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,  
1800 & 1500 RPM, 56C Frame, TEFC

**Operational at 208-230/460 V @60HZ**



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### Nameplate Specifications

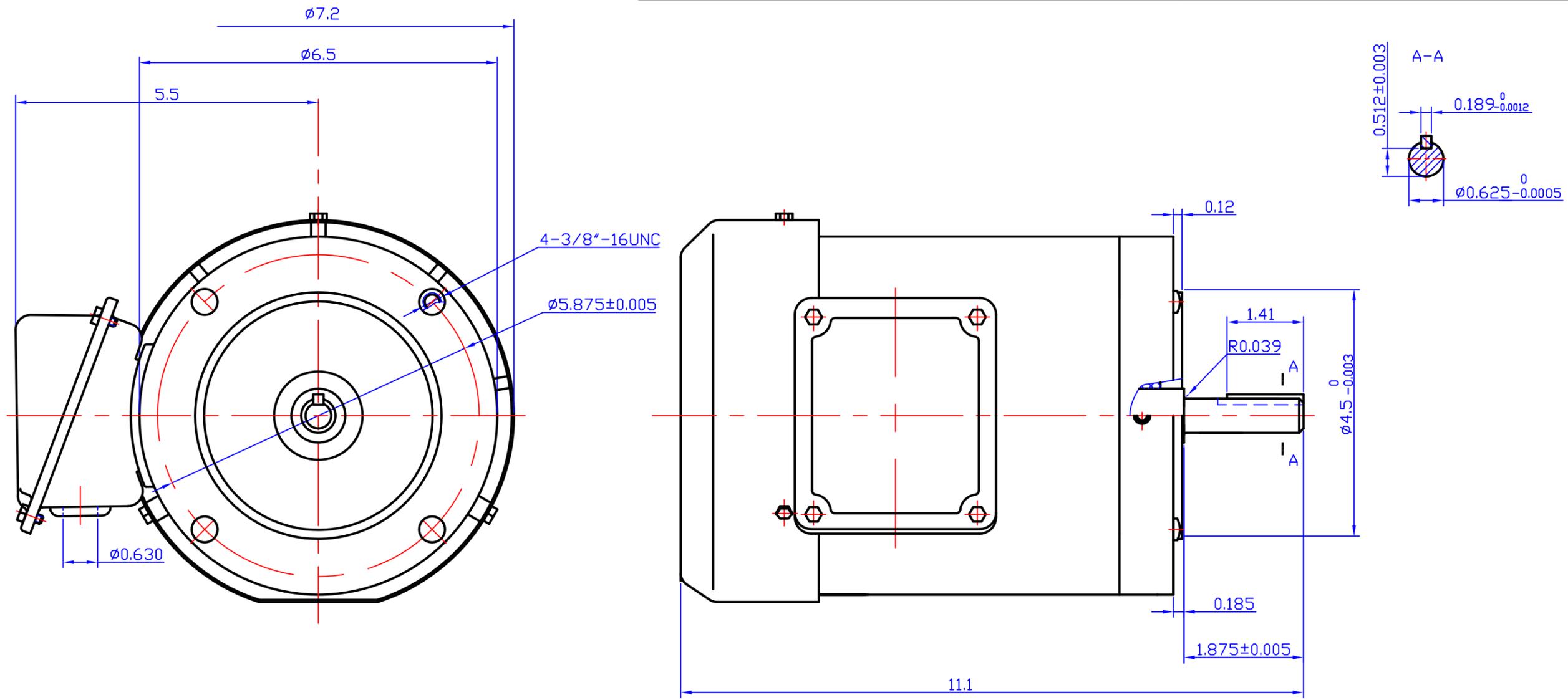
Phase	3	Output HP	0.50 & 0.33 Hp
Output KW	0.37 & 0.25 kW	Voltage	230/460 & 190/380 V
Speed	1740 & 1440 rpm	Service Factor	1.15 & 1.15
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	72 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	2.0/1.0 & 1.8/.90 A	Power Factor	68
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	N	IP Code	55
Number of Speeds	1		

### Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	NEMA 56	Overall Length	11.10 in
Frame Length	5.49 in	Shaft Diameter	0.625 in
Shaft Extension	1.87 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 20:1		
Outline Drawing	OL19150700	Connection Drawing	005010.01



REV	ECO	REV BY	DATE	APPD	DATE

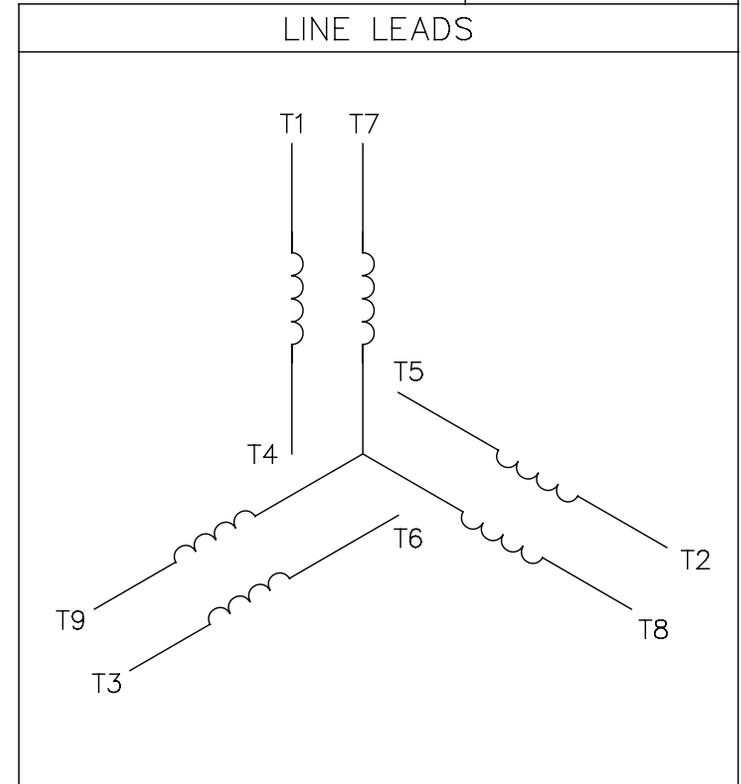
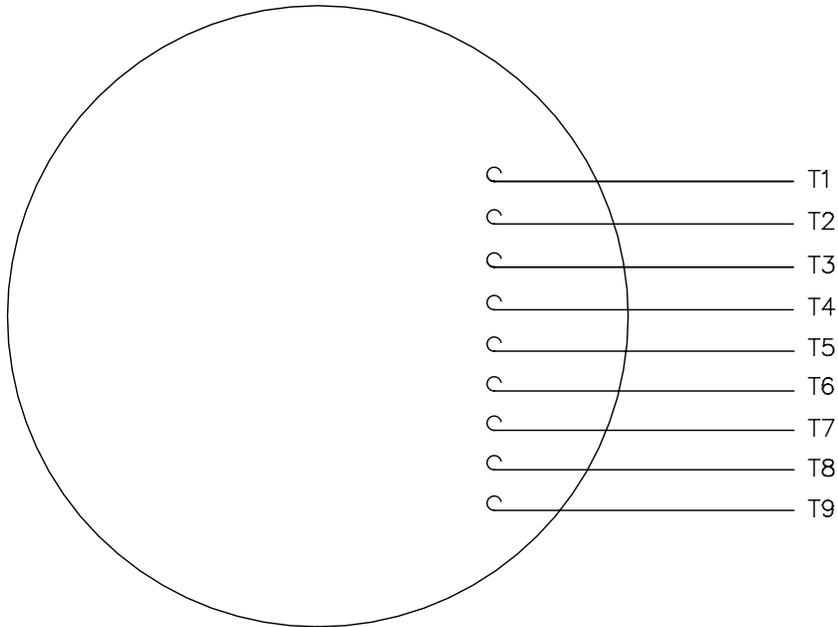


CAT.NO	FRAME	PH	Pole	HP	Hz	Volt	RPM	thermal protector
191507	56C	3	4	1/2	60	230/460	1725	NONE

DR BY:		DESCRIPTION
APPD:		
FIRST ANGLE PROJECTION 	EDS DATE VERSION	OUTLINE OF 191507.00
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SIZE	A3	DWG NO
SCALE		SHEET

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> ™ 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	



**CERTIFICATION DATA SHEET**

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

**CATALOG #:** 191507.00

**CONN. DIAGRAM:** 005010.01

**OUTLINE:** OL19150700

**MOUNTING:** F1 ONLY

**WINDING #:** QT63423 NR 3 A

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2&1/3	0.37&0.25	1800	1740&1440	56C	TEFC	L	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	208-230/460&190/380	1.9-2.0/1.0&1.8/.90	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	72	3/4 LOAD EFF:	81.6	1/2 LOAD EFF:	78	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	68	3/4 LOAD PF:	69	1/2 LOAD PF:	58	0		SQ CAGE INV RATED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24.07 OZ-FT	/	- OZ-FT - %	61.13 OZ-FT 254 %	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	-1 LB-FT^2	0 LB-FT^2	0 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	NO PAINT

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	303 STAINLESS (C-501)	STAINLESS STEEL
6205	6205						

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

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<b>INVERTER TORQUE:</b> CONSTANT 20:1
<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



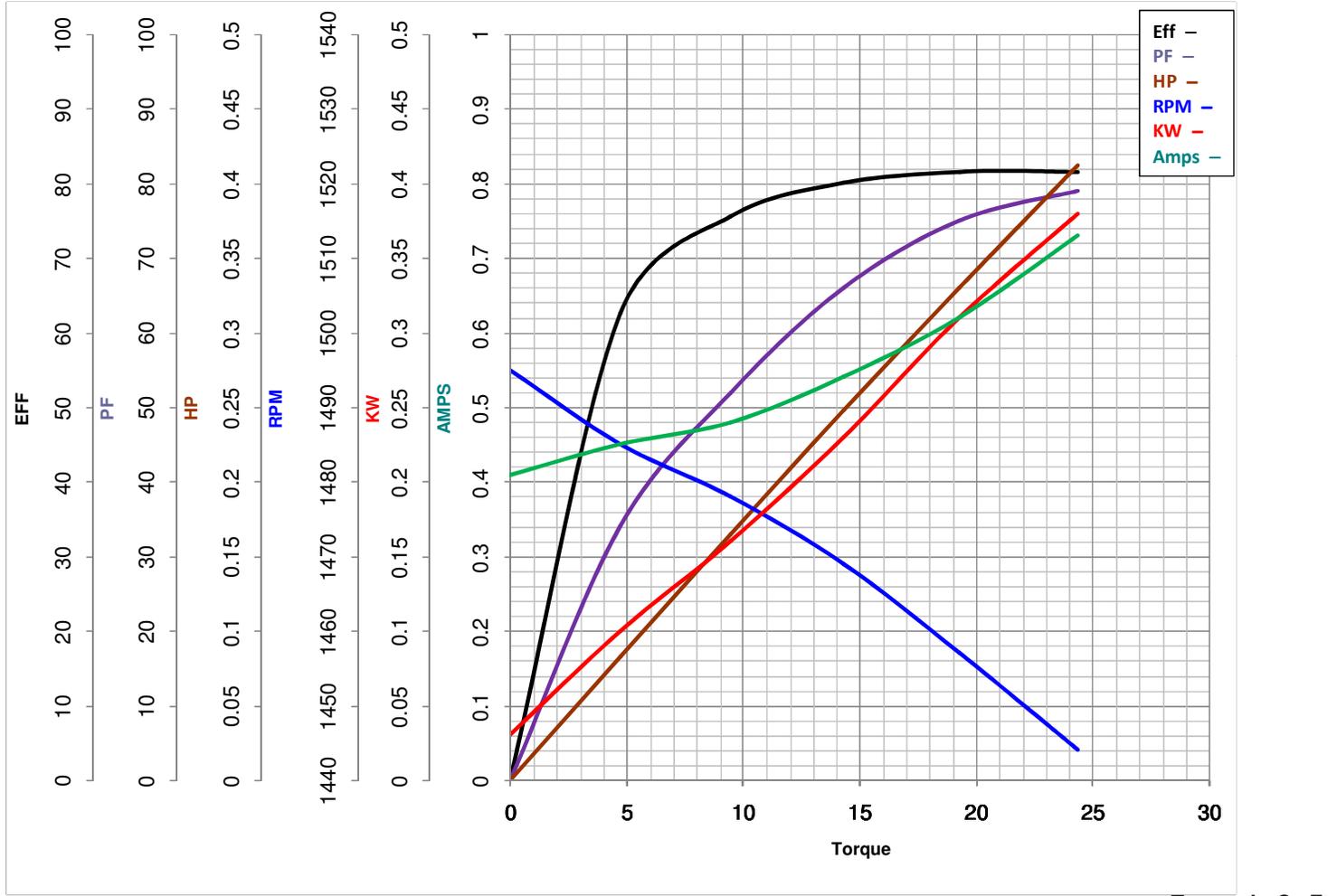
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 191507.00

Catalog No 191507.00

Curve at 380 Volts      HP 0.5&0.33      PHASE 3  
50 HZ  
0.33 HP      VOLTS 208-230/460&190/380

HZ 60&50      RPM 1740&1440



FL TORQUE	<u>19.24</u> Oz.Ft	FL AMPS	<u>1.9-2.0/1.0</u>
BD TORQUE	<u>61.1</u> Oz.Ft	PU TORQUE	<u>42.3</u> Oz.Ft
LR TORQUE	<u>51.45</u> Oz.Ft	LR AMPS	<u>4.53</u>
WINDING	QT63423-3	Date	5/23/2018