

# PRODUCT INFORMATION PACKET

Model No: 256TTDX7253

Catalog No: Y471

Other Purpose Motor, 10 & 2.50 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 & 1800 RPM, 256T Frame, DP



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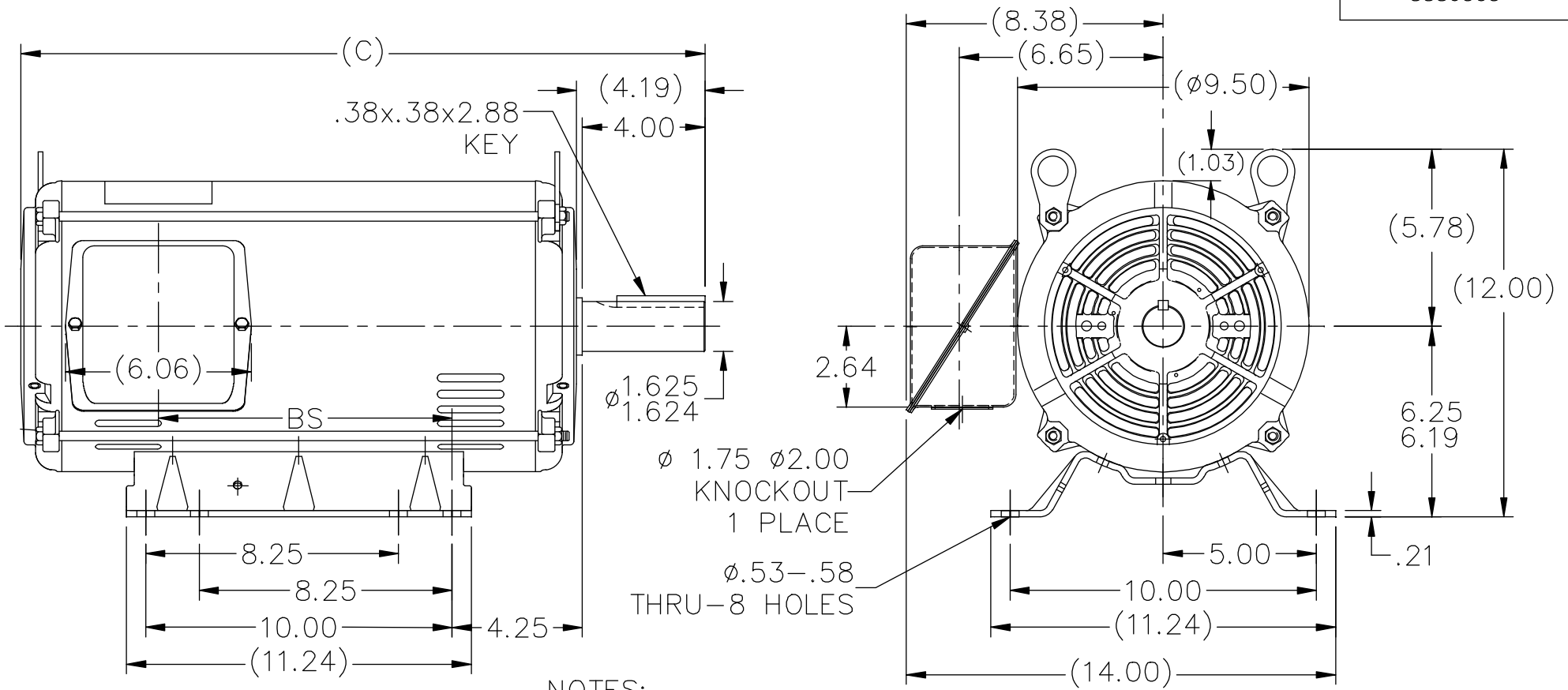
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### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>10 &amp; 2.50 Hp</b>
Output KW	<b>7.5 &amp; 1.9 kW</b>	Voltage	<b>460 &amp; 460 V</b>
Speed	<b>1760 &amp; 880 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>256T</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>86.5 &amp; 72.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 60 Hz</b>
Current	<b>12.9 &amp; 5.6 A</b>	Power Factor	<b>84.1</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>2VT</b>	KVA Code	<b>J</b>
Drive End Bearing Size	<b>6309</b>	Opp Drive End Bearing Size	<b>6208</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>12</b>
Number of Speeds	<b>2</b>		

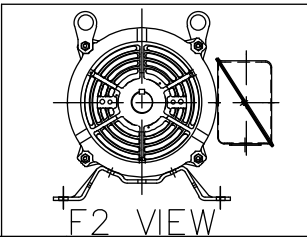
### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4//8</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>1.385 Ohms</b>	Mounting	<b>Rigid Base</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>T</b>	Overall Length	<b>22.32 in</b>
Frame Length	<b>15.45 in</b>	Shaft Diameter	<b>1.625 in</b>
Shaft Extension	<b>4.19 in</b>	Assembly/Box Mounting	<b>F1/F2 Capable</b>
Outline Drawing	<b>A-SS86503-1545</b>	Connection Drawing	<b>A-EE7317</b>



NOTES:

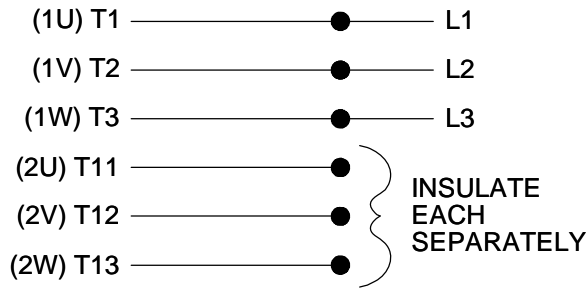
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)
4. F2 MOUNT -USES 2ND HOLE ON 1370 FRAME.



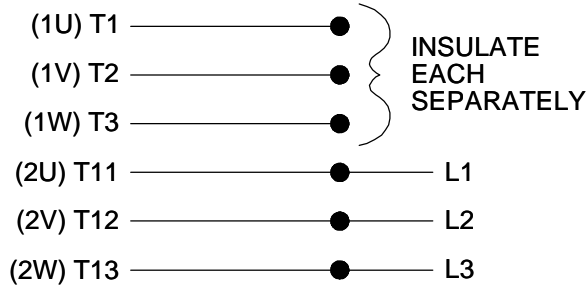
DASH	FR.	C	BS	MOUNTING
1370	254T	20.57	7.68	F1 OR F2
1545	254T/256T	22.32	9.43	F1 OR F2

NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV	
8	ADDED F2 VIEW	UD 11/13/13	GR	TOLERANCES UNLESS SPECIFIED			DRAWN SMC 04-22-1993	
7	UPDATED DRAWING	TJW 04/27/2007		DEC.	INCHES		CHK MOL 04-23-1993	
6	REDRAWN IN AUTOCAD	TAT 05-19-2005	ML	.X	±.1	APPD DRN 09-13-1993	SCALE 1=5	
5	UPDATED CONDUIT BOX CN 28427	TJB 01-31-2000		.XX	±.03	TITLE OUTLINE	REF	
4	ADDED NOTE #4 FOR F2 MOUNT CN 24000-581	MH 06-10-1997		.XXX	±.005	250 FR. - BB - DR.PR.	FMF	
3	DASH 1545 WAS FOR 256T FR. ONLY CN 18683	KL 09-12-1994		.XXXX	±.0005	MAT'L.	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 ss86503		SIZE A	DRAWING NO. SS86503	PAGE OF 8
			DIST LB					REV. 8

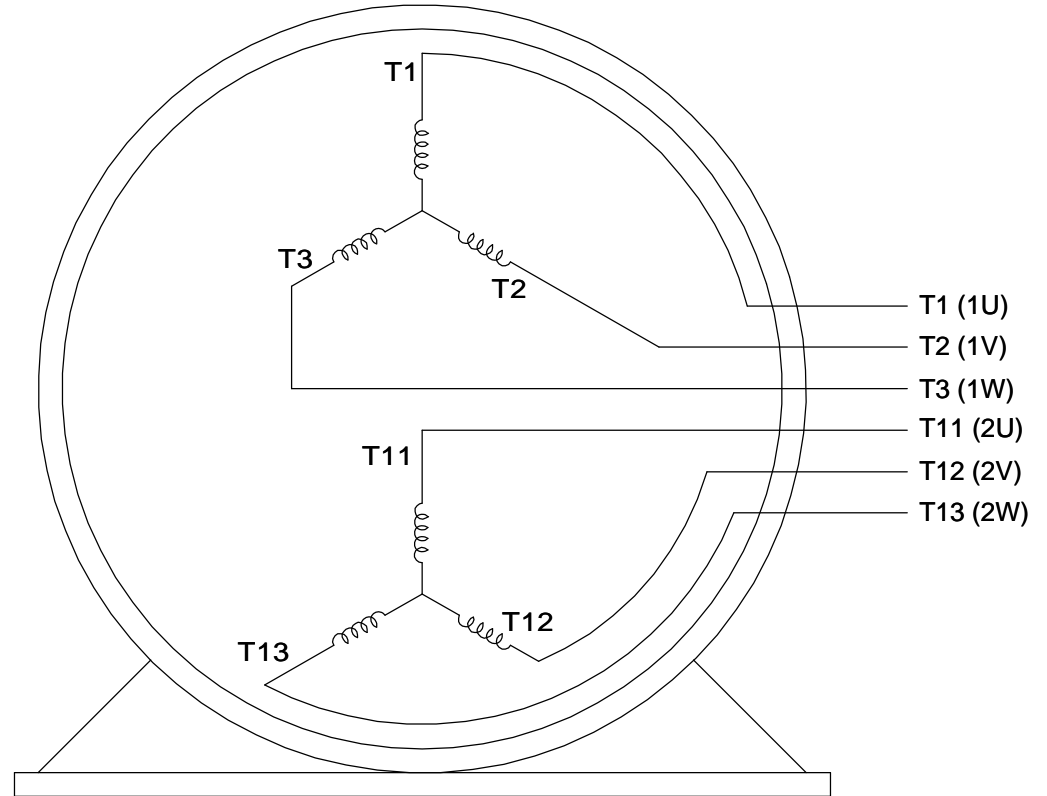
LOW SPEED



HIGHSPEED



**THREE PHASE, SINGLE VOLT, 6 LEAD  
2 SPEED REVERSIBLE MOTOR**



VIEW OF TERMINAL END

TO REVERSE ROTATION ON  
EITHER SPEED: INTERCHANGE  
ANY 2 LEADS ON THE  
WINDING IN USE.

DRAWING REVISION <b>C</b>	REVISION BY <b>JJB</b>	DATE <b>10-25-2017</b>		DRAWN BY <b>LZ</b>	<b>Regal Beloit America, Inc.</b>
ECO <b>ECO-0132917</b>	APPROVED BY <b>TLB</b>	DATE <b>10-30-2017</b>		DATE <b>01-05-1994</b>	
ECO DESCRIPTION <b>REVISED PER ECO &amp; UPDATED TO STANDARDS</b>				APPROVED BY <b>GK</b>	DESCRIPTION <b>CONN DIAGRAM-INTERNAL</b>
<small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>				DATE <b>01-17-1994</b>	<b>3 PHASE - SINGLE - 2 SPEED REVERSIBLE</b>
			REFERENCE	MATERIAL	PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE <b>A</b>	DRAWING NUMBER <b>EE7317</b>

**CERTIFICATION DATA SHEET**

**Model#:** 256TTDX7253 BB  
**CONN. DIAGRAM:** A-EE7317  
**OUTLINE:** A-SS86503-1545

**WINDING#:** 215(4-8)71 NONE 2  
**ASSEMBLY:** F1/F2 CAPABLE

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&2 1/2	7.5&1.87	900	1760&880	256T	DP	J	2VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	460	12.9&5.6	ACROSS THE LINE	CONTINUOUS	B3	1.15/1.15	40	3300

FULL LOAD EFF: 86.5&72.5	3/4 LOAD EFF: 71	1/2 LOAD EFF: 65	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84.1&58	3/4 LOAD PF: 47.5	1/2 LOAD PF: 36.5	67	SQ CAGE IND RUN	4.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	26.5	34.5 LB-FT 230	47 LB-FT 313	70

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
63 dBA	73 dBA	1.3 LB-FT^2	- LB-FT^2	- SEC.	-	150 LBS.

**\*\*\* 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 (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6309	6208						

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

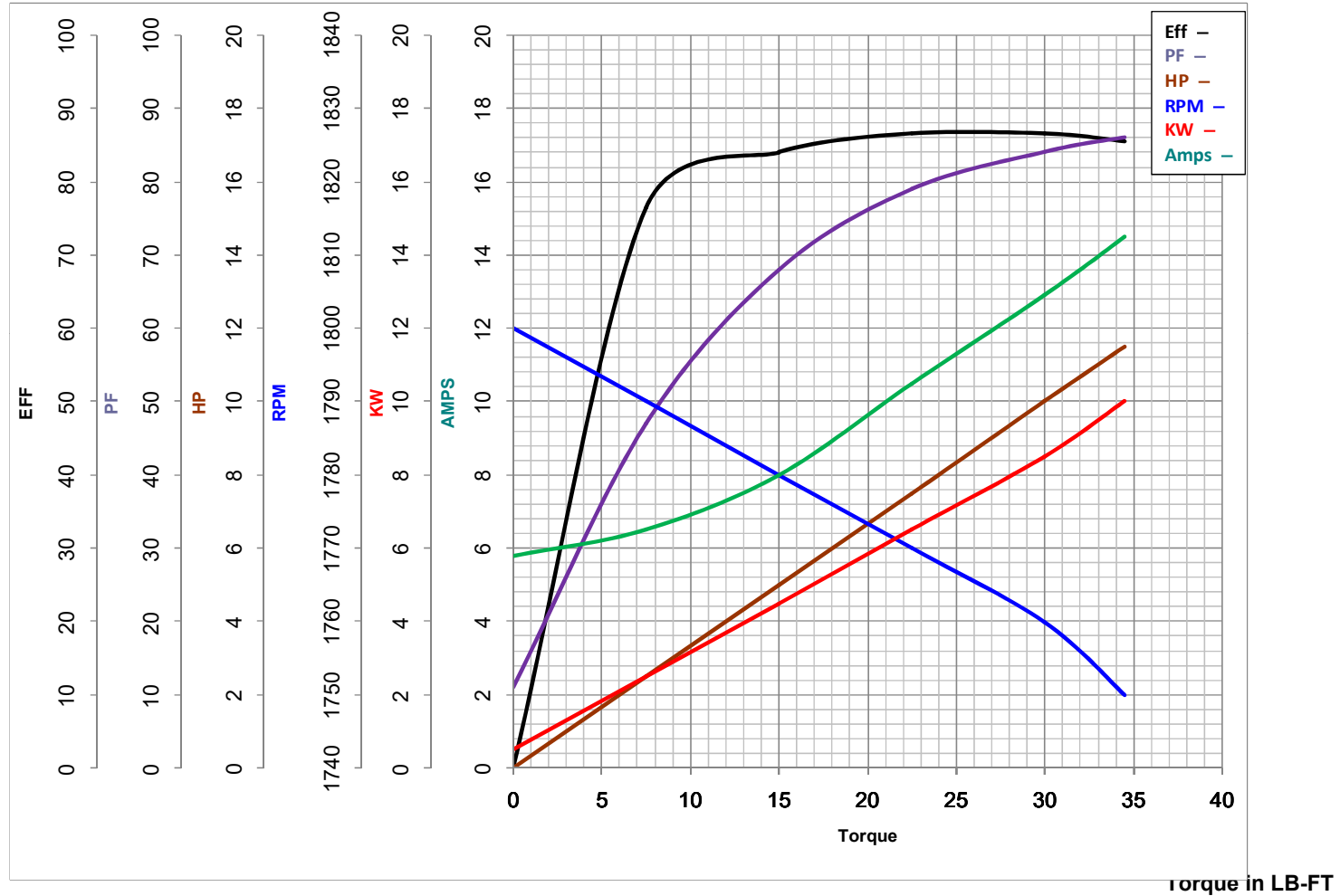
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 \*\* Subject to change without notice.



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

Customer \_\_\_\_\_ Curve at 460 Volts HP 10&2.5 PHASE 3  
 Model No 256TTDX7253 60 HZ  
10 HP VOLTS 460&460  
 Catalog No Y471 HZ 60&60 RPM 1760&880



FL TORQUE	<u>30</u>	LB-FT	FL AMPS	<u>12.9</u>
BD TORQUE	<u>94.0</u>	LB-FT	PU TORQUE	<u>59.4</u>
LR TORQUE	<u>66</u>	LB-FT	LR AMPS	<u>94</u>
WINDING	<u>215(4-8)71-2</u>		Date	<u>1/17/2019</u>