

Multispeed Motors

Model No: 213TTDW7202

Catalog No: Y488

Multispeed Motor, 7.50 & 1.88 HP, 3 Ph, 60 & 60 Hz, 200-230 & 200-230 V, 1800 RPM, 213T Frame,
DP

Product Information Packet: Model No: 213TTDW7202, Catalog No: Y488 Multispeed Motor, 7.50 & 1.88 HP, 3 Ph, 60 & 60 Hz, 200-230 & 200-230 V, 1800 RPM, 213T Frame, DP

Nameplate Specifications

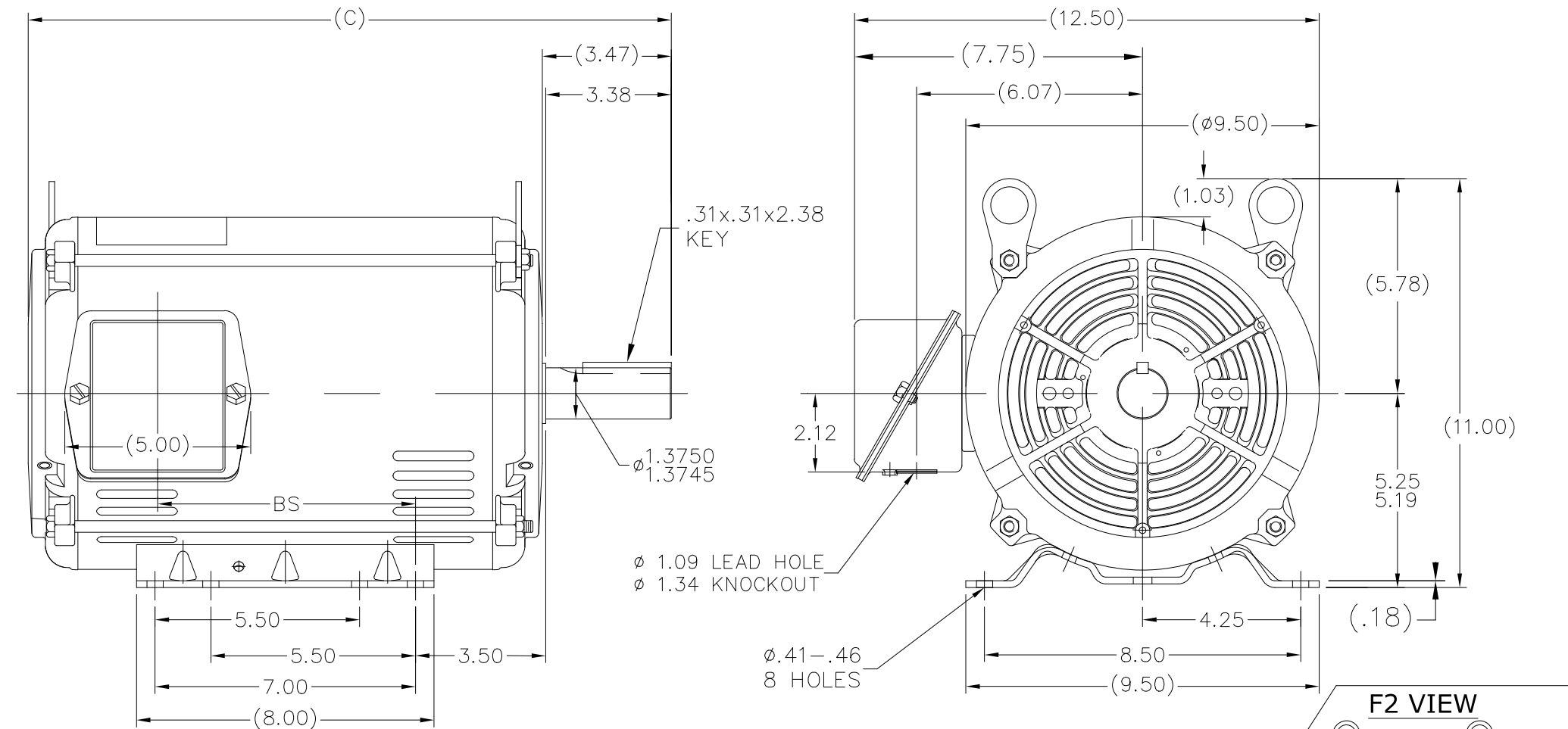
Phase	3	Output HP	7.50 & 1.88 Hp
Output KW	5.6 & 1.4 kW	Voltage	200-230 & 200-230 V
Speed	1765 & 875 r/min	Synchronous RPM	1800 & 900 r/min
Service Factor	1.15 & 1.15	Frame	213T
Enclosure	Drip Proof	Thermal Protection	No Protection
Efficiency	86.5 & 80 %	Ambient Temperature	40 °C
Frequency	60 & 60 Hz	Current	21.6-19.8 & 8.2-7.8 A
Power Factor	81.5	Duty	Continuous
Insulation Class	B	Design Code	1VT
KVA Code	L	Drive End Bearing Size	6307
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	22	Number of Speeds	2

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4/8	Rotation	Reversible
Resistance Main	1.79 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	17.3 in
Frame Length	11.15 in	Shaft Diameter	1 3/8 in
Shaft Extension	3.47 in	Assembly/Box Mounting	F1/F2 Capable

Drawings

Connection Drawing	A-EE7322	Outline Drawing	A-SS86500-1115
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- NOTES:
- NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
 - BOX CAN BE MOUNTED IN 90° STEPS.
 - BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)

DASH	FR.	C	BS	MOUNTING
1115	213/15T	17.30	6.93	F1/F2
1240	213/15T	18.55	8.18	F1 ONLY

DRAWING REVISION	REVISION BY	REV DATE/ © DATE
U	SB	04/22/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026044	RMS	04/22/2026

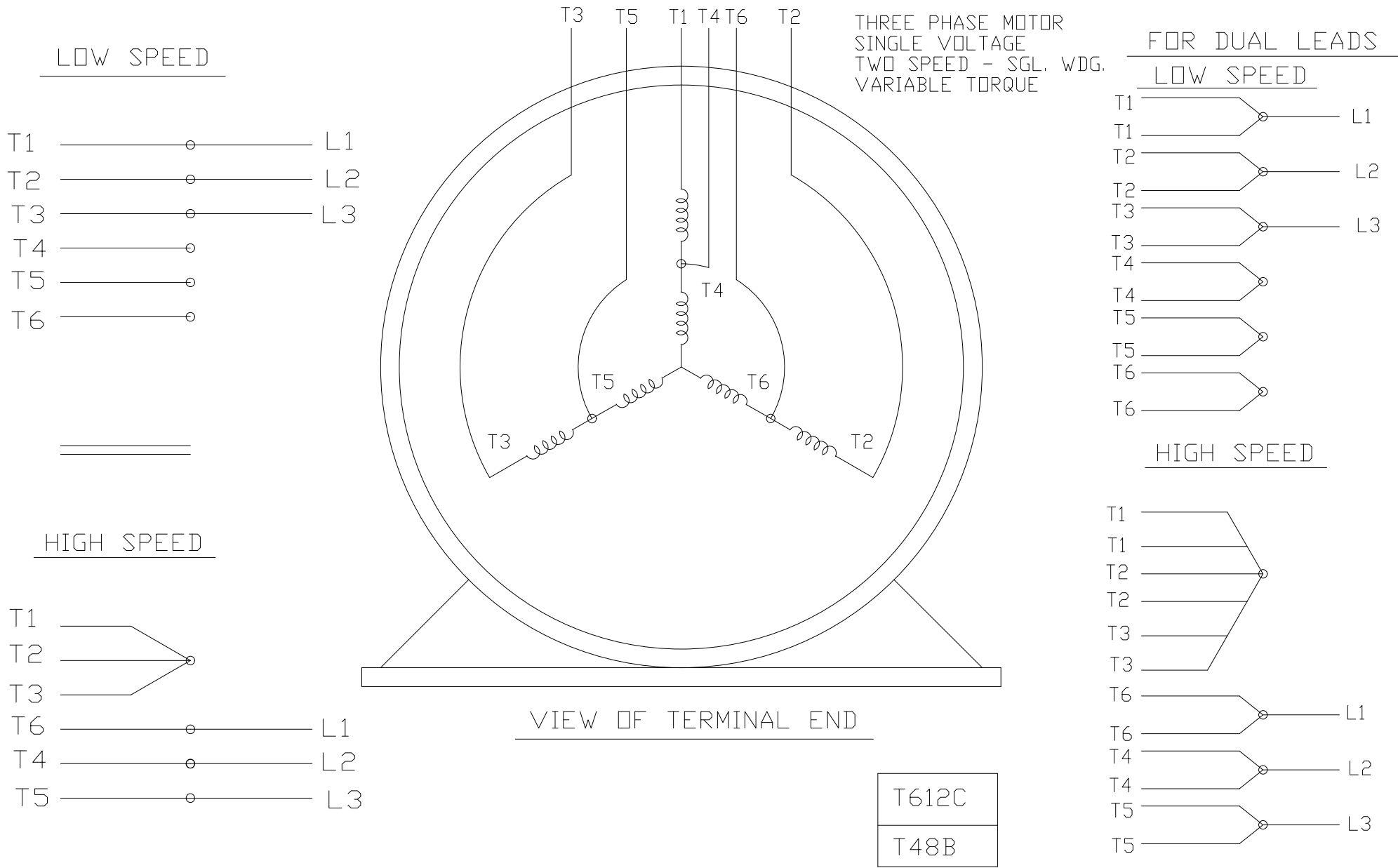
REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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TOLERANCES (EXCEPT AS NOTED):			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 °			
CORNER FILLETS: R.02 [.5]			
MACHINED SURFACES: 200 / 5.1			
INCH / mm			
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY			

DRAWN BY	SMC
DATE	04/13/1993
APPROVED BY	DRN
DATE	04/13/1993
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™		
DESCRIPTION		
OUTLINE		
210 FR - BB - TS DR. PR.		
MATERIAL		PROCESS/FINISH
SIZE	DRAWING NUMBER	SHEET
A	3 of 7 SS86500	1 OF 1



DRAWING REVISION C	REVISION BY SB	REV DATE/ © DATE 08/20/2025
REQUEST NUMBER CR-0023600	APPROVED BY SBD	DATE 08/20/2025
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PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY PGK
DATE 12/26/1996
APPROVED BY TB
DATE 01/07/1997
REFERENCE
THIRD ANGLE PROJECTION



marathon™			
DESCRIPTION			
CONN DIAGRAM			
3Ø - SINGLE VOLTAGE - 2 SPEED			
MATERIAL			PROCESS/FINISH
SIZE	DRAWING NUMBER		SHEET
A	EE7322		1 OF 1
4 of 7			



MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

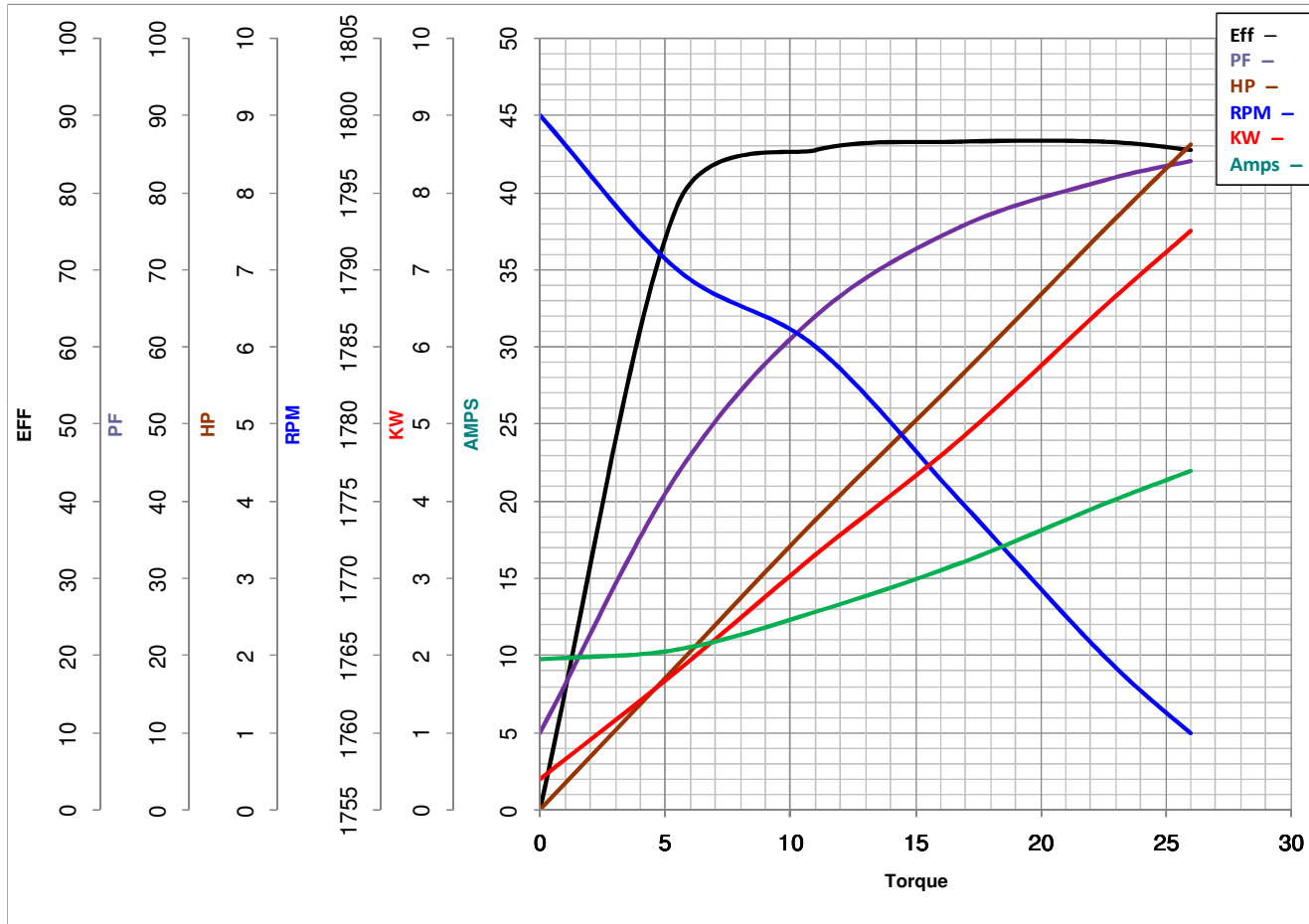
Volts

HP 7.5&1.875PHASE 3Model No 213TTDW720260

HZ

VOLTS 200-230&200-2307.5

HP

Catalog No Y488HZ 60&60RPM 1765&875

Torque in LB-Ft

FL TORQUE 22.5 LB-Ft
 BD TORQUE 87.5 LB-Ft
 LR TORQUE 53.5 LB-Ft

FL AMPS 21.6-19.8
 PU TORQUE 48.15 LB-Ft
 LR AMPS 184

WINDING 213(4-8)32-Date 3/7/2019

CERTIFICATION DATA SHEET

Model#: 213TTDW7202 AC
 CONN. DIAGRAM: A-EE7322
 OUTLINE: A-SS86500-1115

WINDING#: 213(4-8)32 NONE 1
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2&1 7/8	5.6&1.4	900	1765&875	213T	DP	L	1VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	200-230	21.6-19.8&8.2-7.8	ACROSS THE LINE	CONTINUOUS	B3	1.15/1.15	40	3300

FULL LOAD EFF: 86.5&80	3/4 LOAD EFF: 78.5	1/2 LOAD EFF: 75.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 81.5&57	3/4 LOAD PF: 49	1/2 LOAD PF: 37	76	SQ CAGE IND RUN	5.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
11.5 LB-FT	37	17.8 LB-FT 155	31.5 LB-FT 274	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.8 LB-FT^2	- LB-FT^2	15 SEC.	-	110 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	1144 STRESSPROOF (C-223)	ROLLED STEEL
6307	6206						

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

* 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		
- FT-LB		NONE V	NONE Hz

DATE: 06/22/2017 05:03:14 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

