marathon®

General Purpose Motors

Model No: 364TSTDBD6001
Catalog No: GT0083

General Purpose Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 364TS Frame, DP

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Product Information Packet: Model No: 364TSTDBD6001, Catalog No: GT0083 General Purpose Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 364TS Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**75 & 60 Hp**
Output KW	**56.0 & 45.0 kW**	Voltage	**230/460 & 190/380 V**
Speed	**3565 & 2968 r/min**	Synchronous RPM	**3600 & 3000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**364TS**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**93.6 & 93.6 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**172/86 & 166/83 A**
Power Factor	**87**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**F**	Drive End Bearing Size	**6312**
Opp Drive End Bearing Size	**6312**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

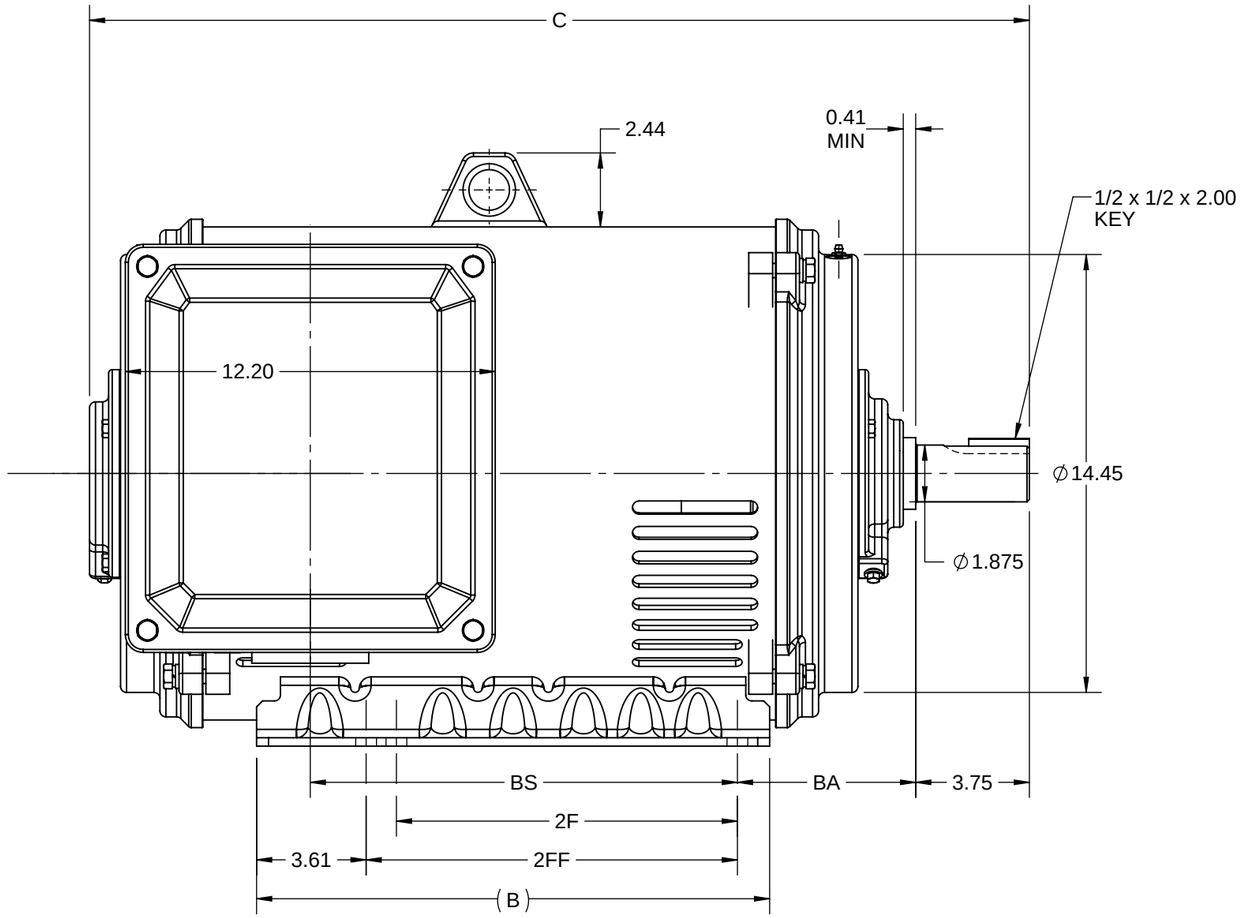
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.1034 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**TS**	Overall Length	**29.57 in**
Shaft Diameter	**1 7/8 in**	Shaft Extension	**3.75 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Variable 10:1**

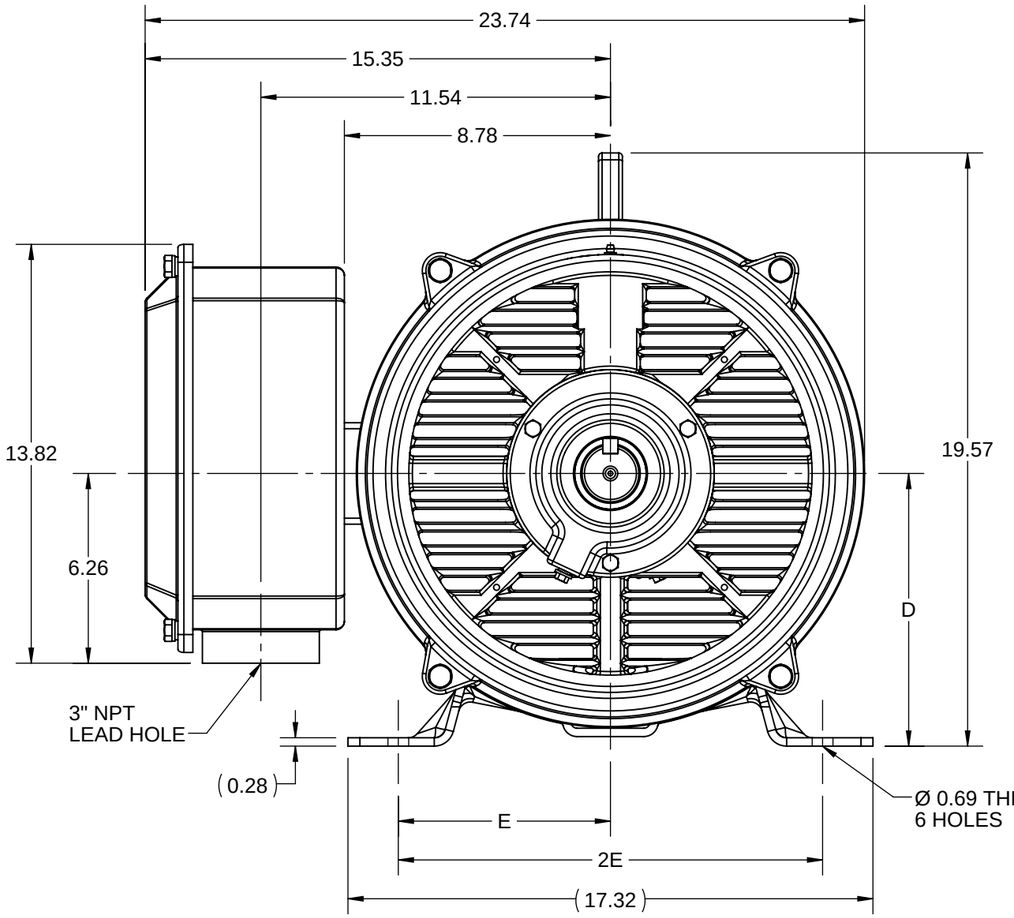
Drawings

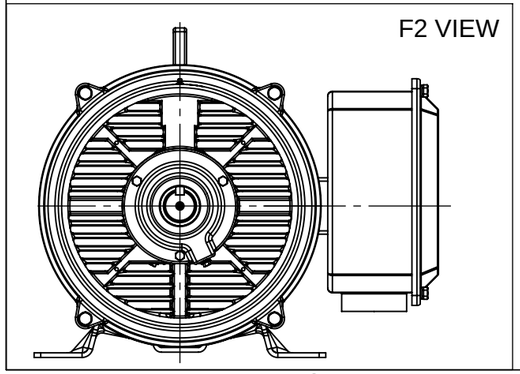
Connection Drawing	**EE7308AA**	Outline Drawing	**SS620748-100**

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DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	16.93	29.44	9.00	7.00	14.00	11.25	12.25	5.88	12.52	F1 OR F2	364TS
200		31.01							14.09		365TS







DRAWING REVISION	REVISION BY	REV DATE/© DATE
D	SV	05/22/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026372	RMS	05/22/2026

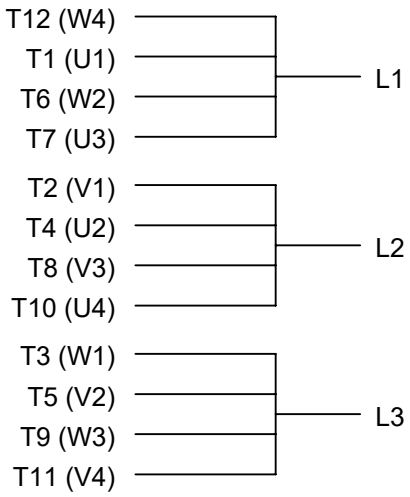
REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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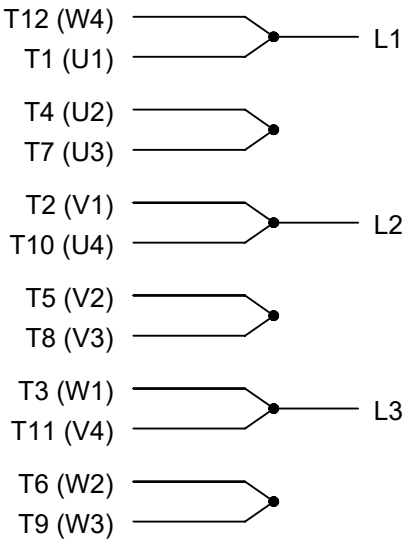
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY	DESCRIPTION
ZHU XIAOWEI	OUTLINE
DATE: 27/04/2021	364/365TS FR NEMA ODP RS
APPROVED BY	
DATE	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS620748 / SHEET: 1 OF 1

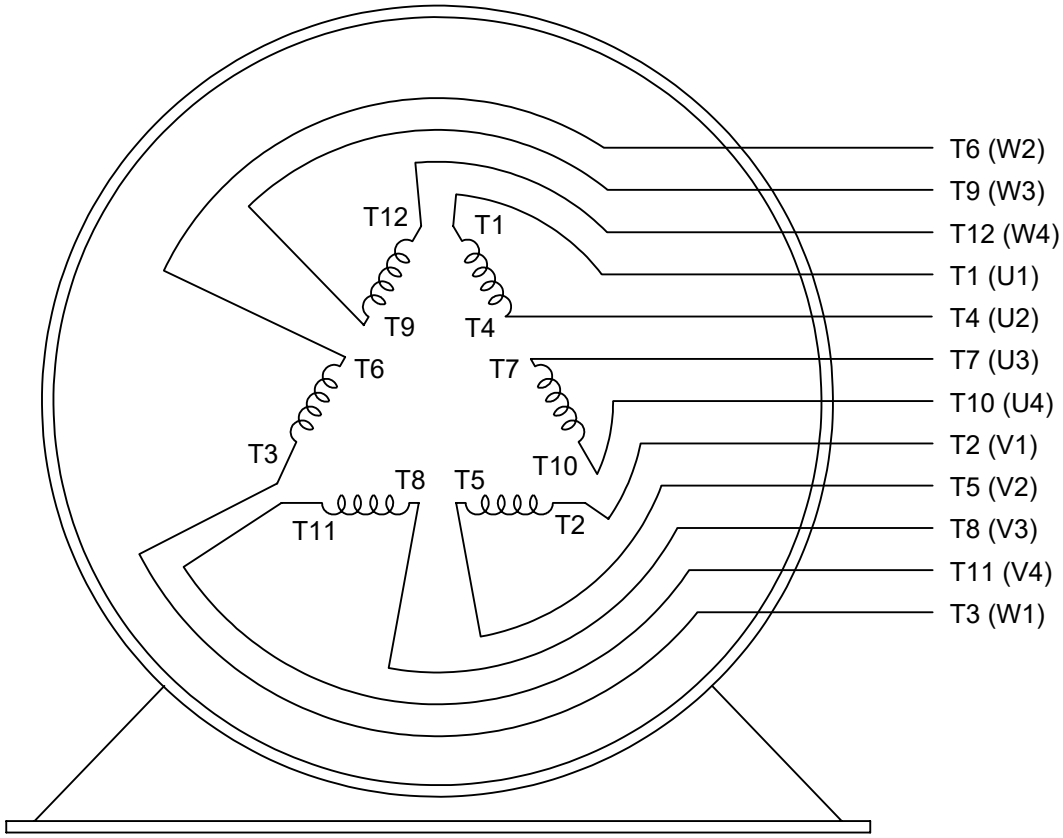
marathon™



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION: L	REVISION BY: SB	REV DATE/© DATE: 08/01/2025	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY: LZ	marathon™
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/01/2025		DATE: 01-12-1994	
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED				APPROVED BY: GK	DESCRIPTION: CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS
				DATE: 01-14-1994	
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE: A / DRAWING NUMBER: EE7308AA / SHEET: 1 OF 1

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Data Sheet

Date: 12/2/2021
Customer:
Attention:
Submitted by:

marathon® Motors

364TSTDBD6001

Submittal

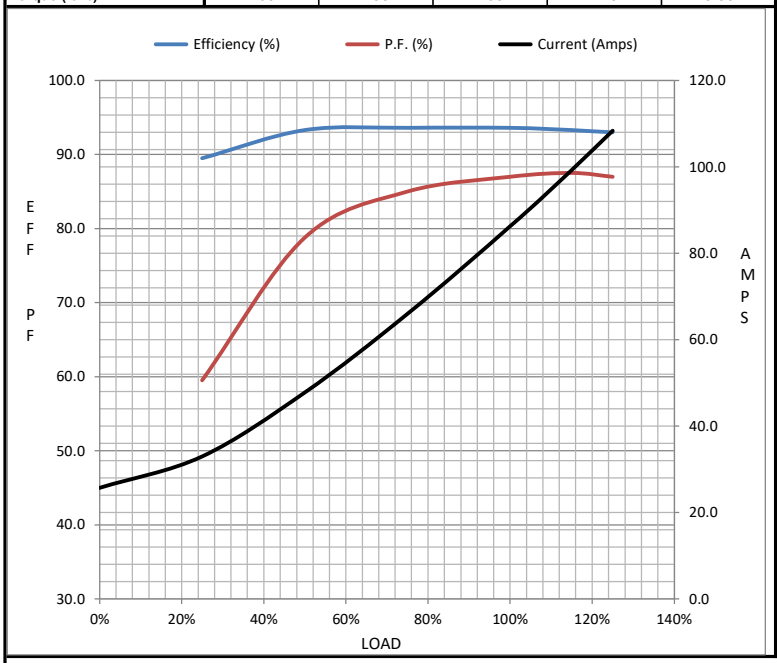
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	25.7	33.0	47.8	66.0	86.2	99.3	108	500	
Torque (ft-lb)	0.00	27.5	55.0	82.5	110	127	138	160	
RPM	3600	3592	3585	3575	3565	3,560	3555	0	
Efficiency (%)		89.5	93.3	93.6	93.6	93.3	93.0		
P.F. (%)	7.0	59.5	78.8	85.0	87.0	87.5	87.0	30.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3435	3565	3600
Current (Amps)	500	400	265	86.2	25.7
Torque (ft-lb)	160	135	265	110	0.00



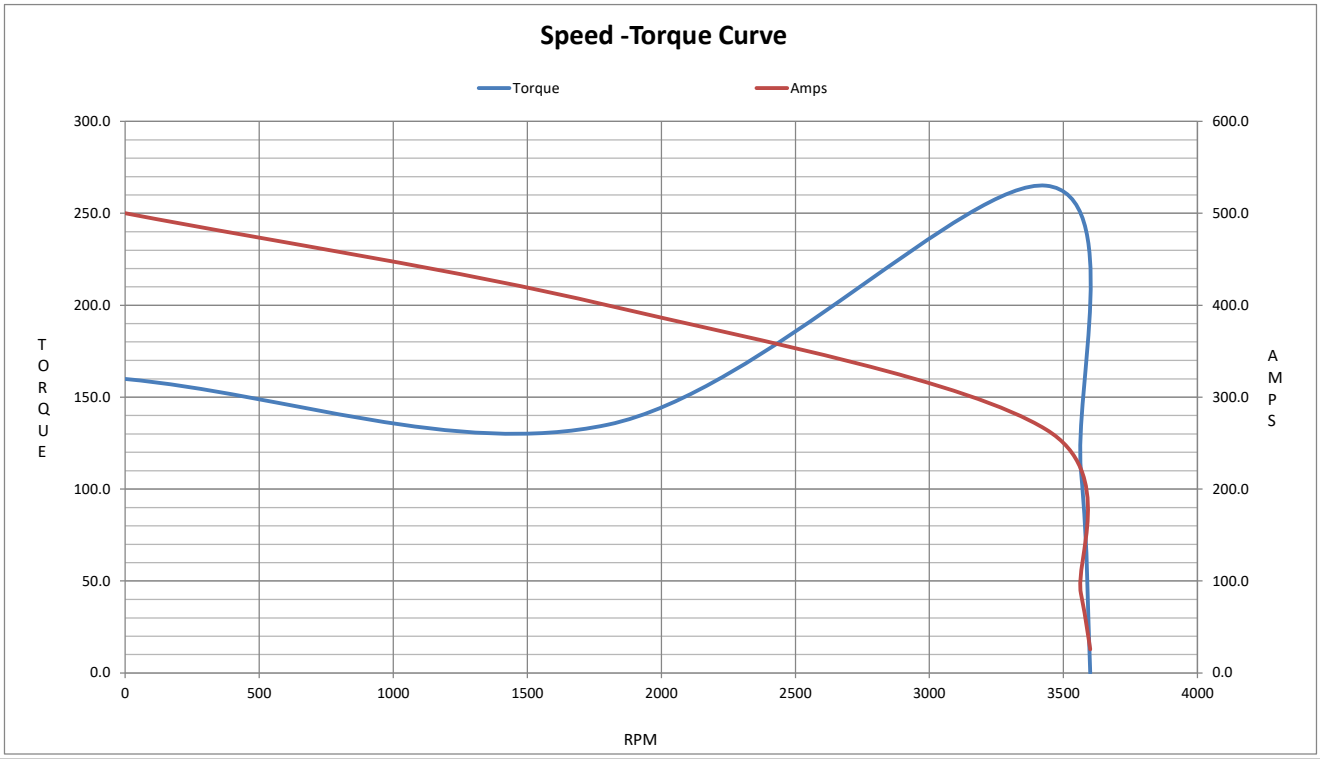
Information Block

HP	75.0
Sync. RPM	3600
Frame	364
Enclosure	DP
Construction	TDB
Voltage	208-230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	F
Service Factor	1.15
Temp Rise @ FL	30 ° C
Duty	CONT
Ambient	40 ° C
Elevation	3,300 feet
Rotor/Shaft wk²	8.0 Lb-Ft²
Ref Wdg	HA32252007 NONE
Sound Pressure @ 1M	75 dBA
VFD Rating	CONSTANT 2:1/VARIABLE 20:1
Outline Dwg	SS620748-100
Conn. Diag	EE7308AA
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0600	0.0290	0.3400	0.3840	10.4170

Speed -Torque Curve



CERTIFICATION DATA SHEET

Model#:	364TSTDBD6001 AA	**WINDING#:**	HE32252007 NONE 2
CONN. DIAGRAM:	EE7308AA	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	SS620748		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&60	56&45	3600	3565&2968	364TS	DP	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	172/86&166/83	PWS & YDRUN OR INV	CONTINUOUS	F7	1.15/1.15	40	3300

FULL LOAD EFF: 93.6&93.6	3/4 LOAD EFF: 93.6	1/2 LOAD EFF: 93.3	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 87&88	3/4 LOAD PF: 85	1/2 LOAD PF: 78.8	93	SQ CAGE INV RATED	51.4 / 25.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
110 LB-FT	1000 / 500	160 LB-FT 145	259 LB-FT 235	30

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	8 LB-FT^2	- LB-FT^2	15 SEC.	2	710 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 6312	BALL 6312	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

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: VARIABLE 10:1
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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