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Close-Coupled Pump Motors

Model No: 182TTFBD6085
Catalog No: GT3405A

Close-Coupled Pump Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 182JP Frame, TEFC

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Product Information Packet: Model No: 182TTFBD6085, Catalog No: GT3405A Close-Coupled Pump Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 182JP Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**1.50 & 1 Hp**
Output KW	**1.1 & 0.75 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1175 & 980 r/min**	Synchronous RPM	**1200 & 1000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**182JP**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**87.5 & 82.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**4.6/2.3 & 4.5/2.25 A**
Power Factor	**70**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**A**
KVA Code	**N**	Drive End Bearing Size	**6307**
Opp Drive End Bearing Size	**6205**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

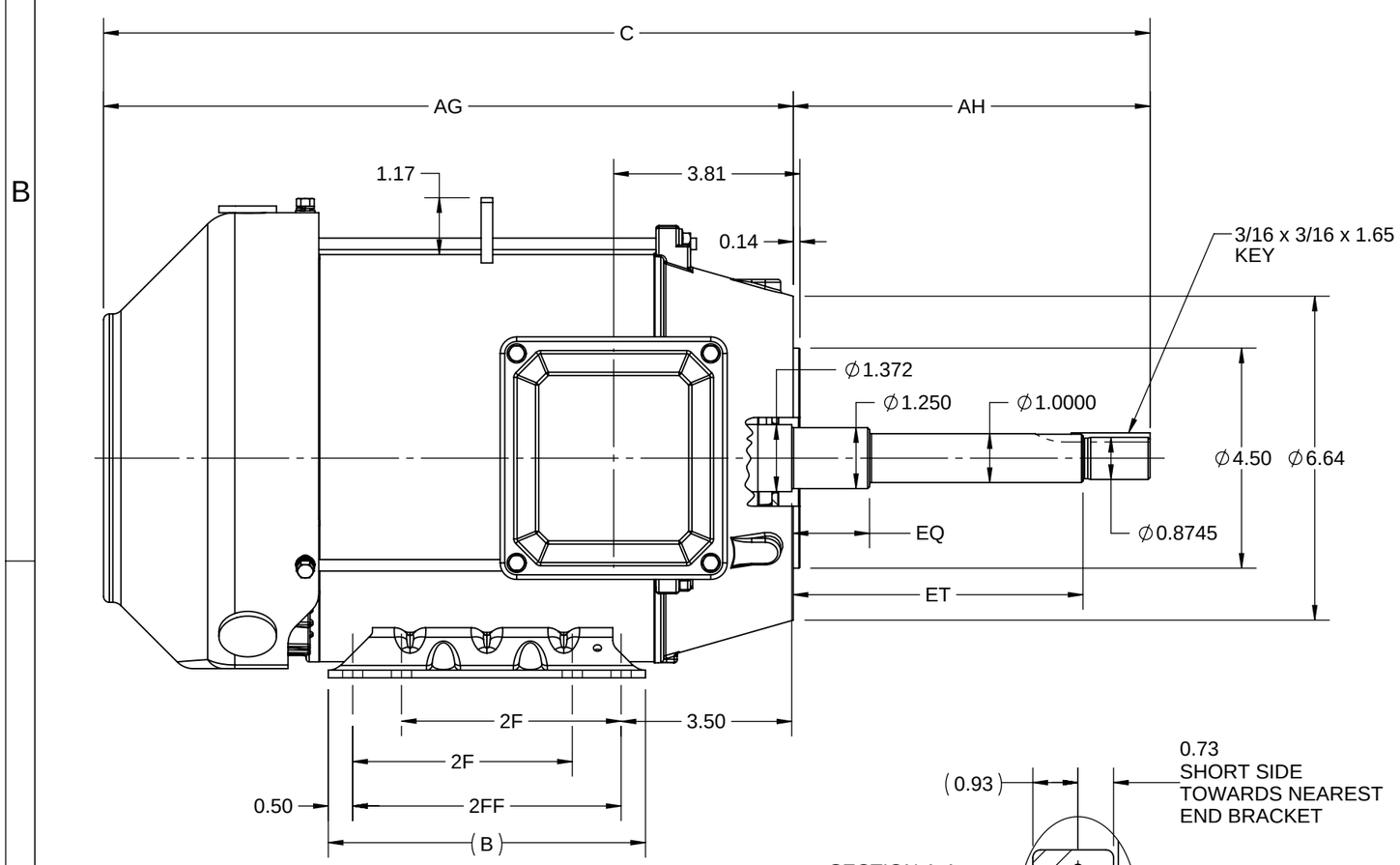
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**6.995 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JP**	Shaft Diameter	**1.25 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 10:1/Variable 10:1**

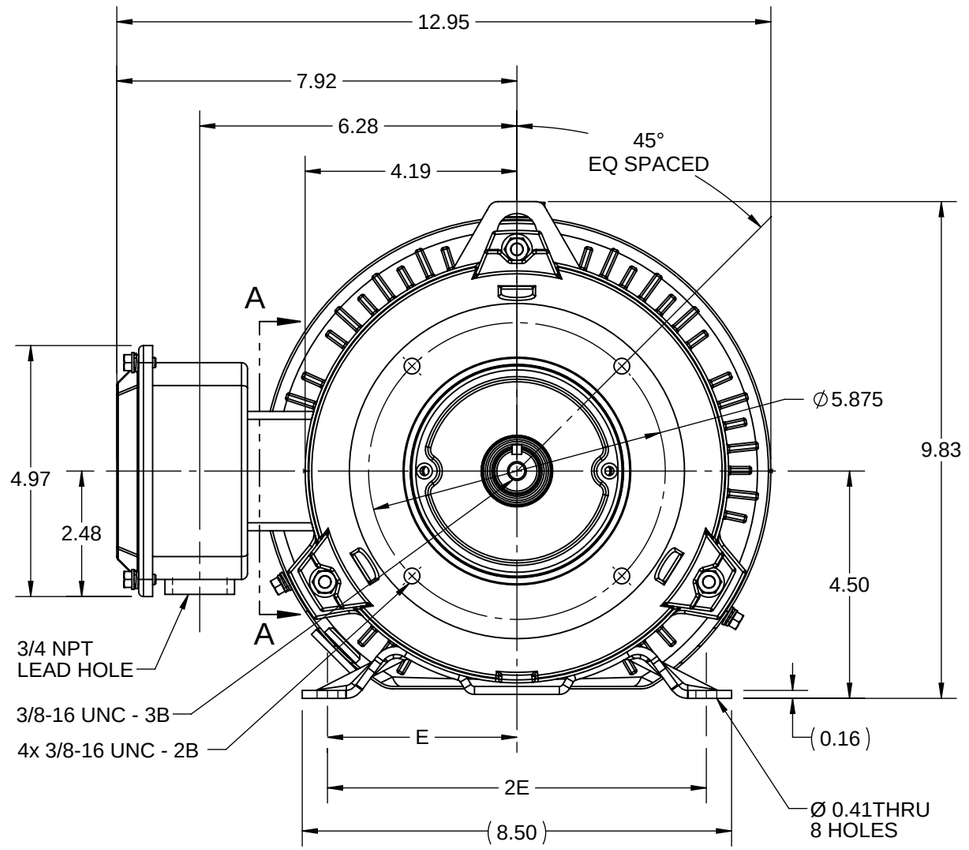
Drawings

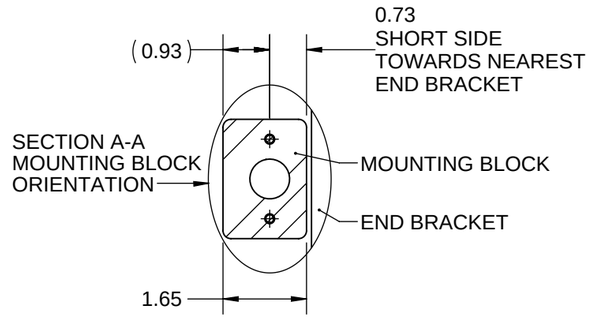
Connection Drawing	**EE7308**	Outline Drawing	**SS600203-100**

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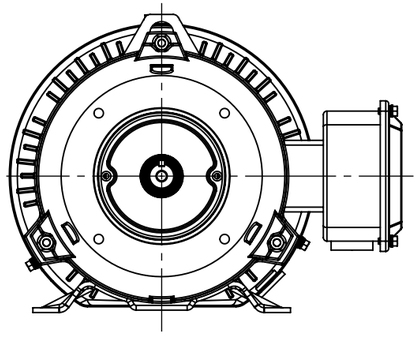
DASH NO.	B	C	E	2E	2F	2FF	AG	AH	EQ	ET	MOUNTING	FRAME
100	6.50	20.44	3.75	7.50	4.50	5.50	13.12	7.31	1.56	5.93	F1 OR F2	182JP
200		21.44					14.12					184JP







F2 VIEW



DRAWING REVISION: D	REVISION BY: SB	REV DATE/© DATE: 05/21/2026
REQUEST NUMBER: CR-0026353	APPROVED BY: RMS	DATE: 05/21/2026
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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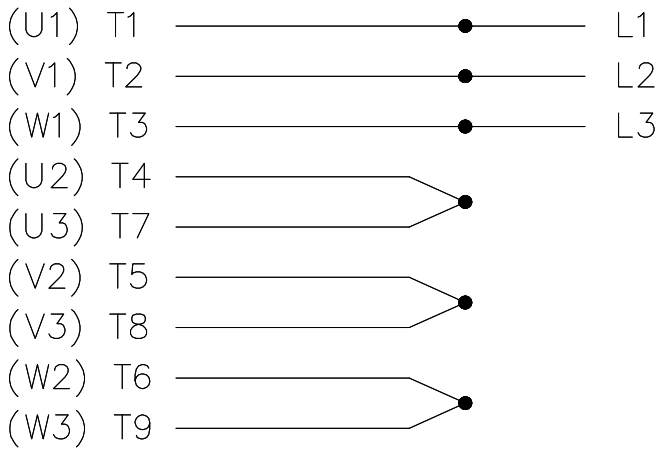
DRAWN BY: MSH		
DATE: 18/04/2018		
APPROVED BY: SBD	DESCRIPTION: OUTLINE NEMA 182/184JP FR TEFC RS	
DATE: 18/04/2018		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS600203	SHEET: 1 OF 1

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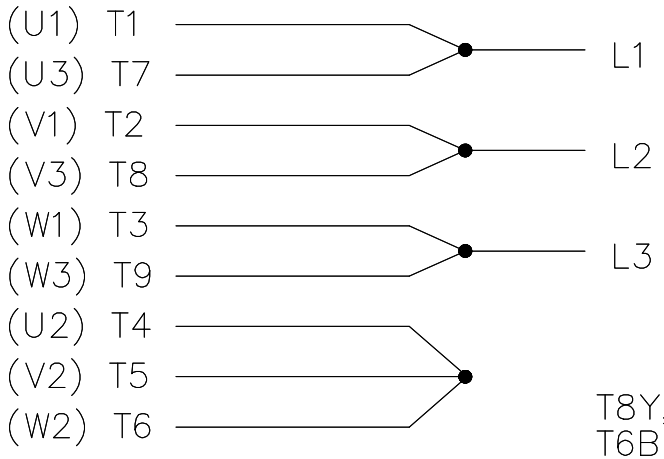
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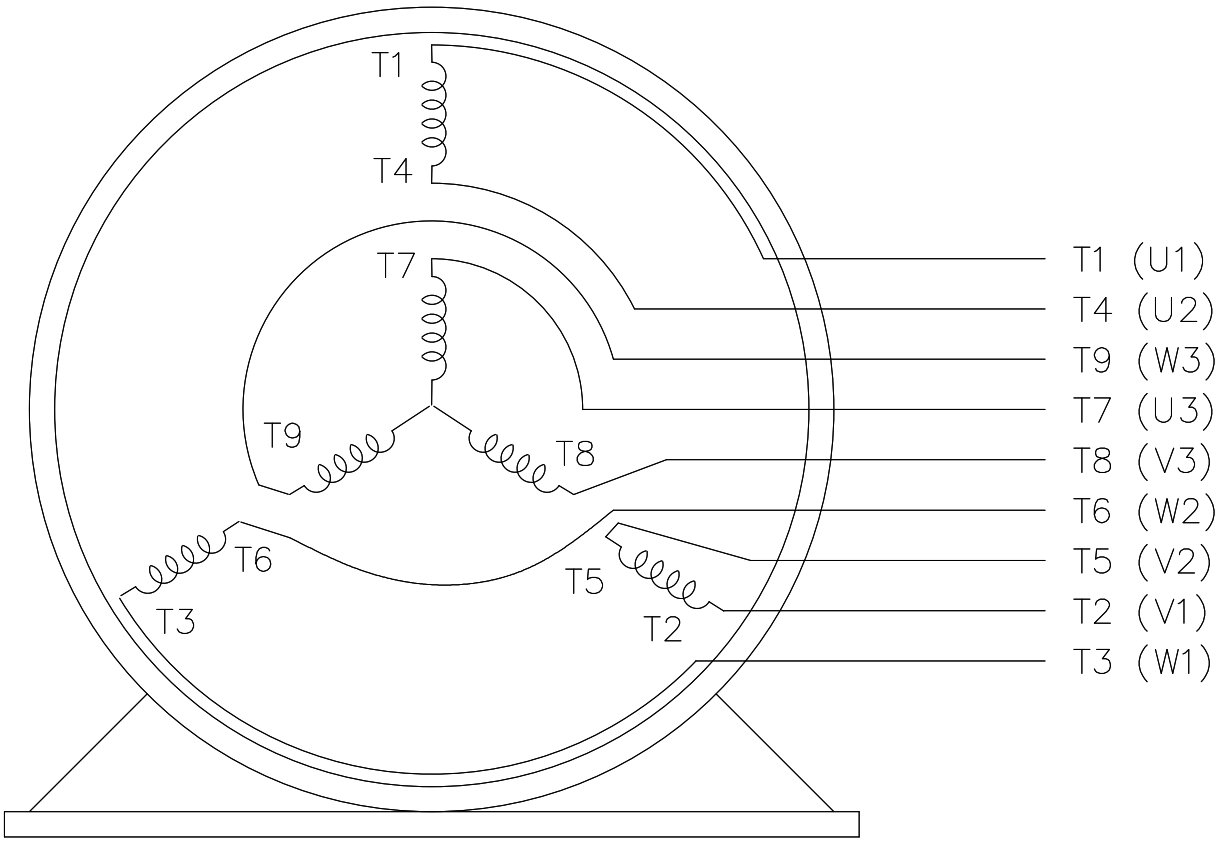
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE





VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD CONNECTION

L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION: J	REVISION BY: SB	REV DATE/ © DATE: 08/01/2025
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/01/2025

REQUEST NUMBER DESCRIPTION
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DRAWN BY: RM	
DATE: 11/20/1990	
APPROVED BY: SAS	
DATE: 04/24/2003	
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø - DUAL VOLTAGE MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	4 of 5 EE7308	1 OF 1

Uncontrolled Copy

P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7308
OUTLINE: SS600203-182JP
WINDING #: HE31126008 3

CUSTOMER PO#:
MODEL #: 182TTFBD6085 AA
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&0.75	1200	1175&980	182JP	TEFC	K	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	4.6/2.3&4.5/2.25	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	87.5&78.5	**3/4 LOAD EFF:**	86	**1/2 LOAD EFF:**	84	**GTD. EFF**	**ELEC. TYPE**
FULL LOAD PF:	70&64	**3/4 LOAD PF:**	59.5	**1/2 LOAD PF:**	48	86.5	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6.7 **LB-FT**	37 / 18.5	16.2 **LB-FT** 242 %	25.5 **LB-FT** 381 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
50 **dBA**	60 **dBA**	- **LB-FT^2**	- **LB-FT^2**	15 **SEC.**	2	104 **LBS.**

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	DIVISION 2 T2B	PROVISIONS ONLY	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6307	6206						

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

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INVERTER TORQUE:
CONSTANT 10:1/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

PREPARED BY: Dinesh Suddula **DATE:**
02/13/2019 02:49:16 AM
FORM 3531 REV.3 02/07/99
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