

PRODUCT INFORMATION PACKET

Model No: 405TTGS4040

Catalog No: U035

Explosion Proof Motor, 100 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 405T Frame, EPFC

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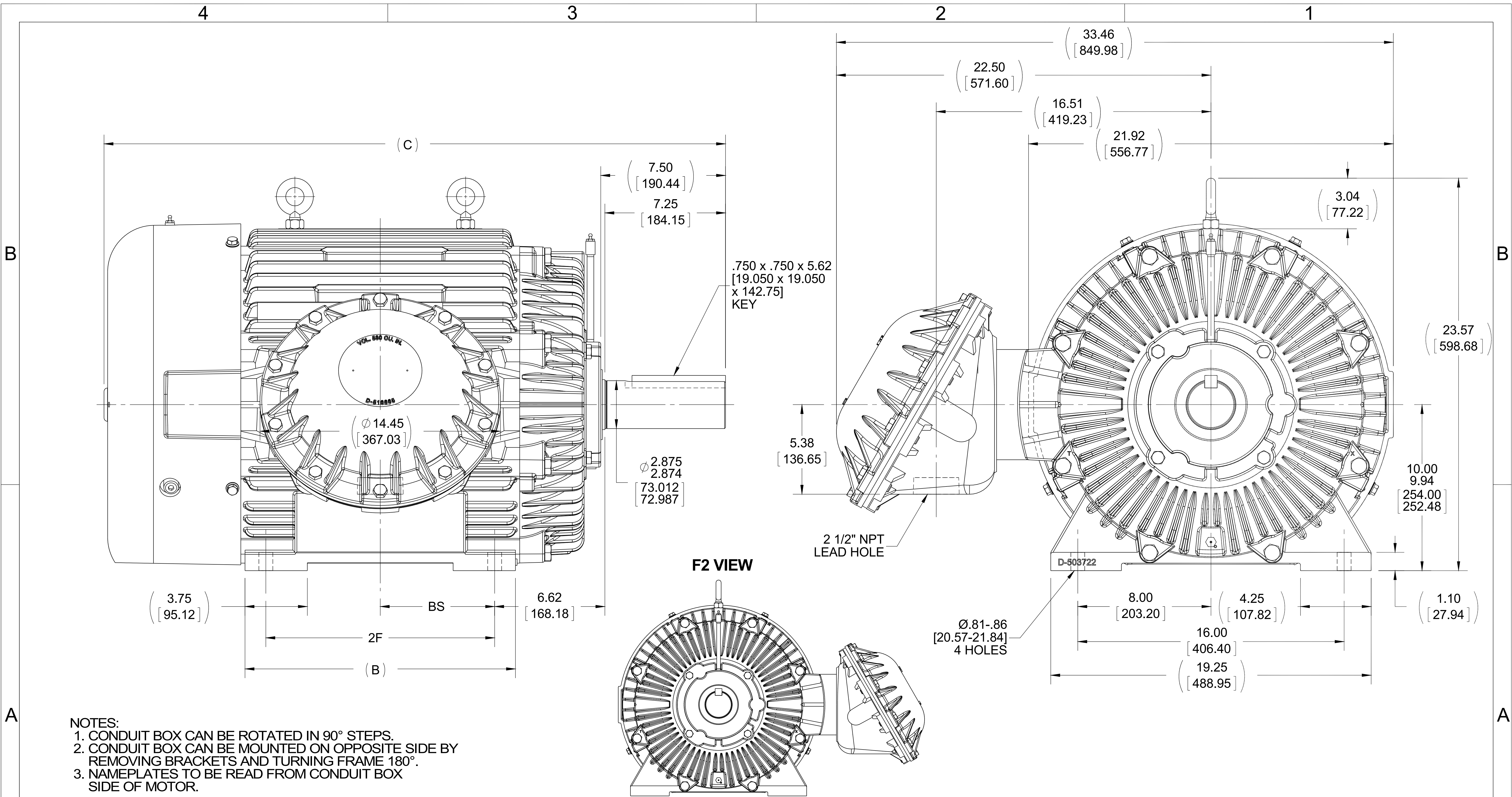
Nameplate Specifications

Output HP	100 Hp	Output KW	75.0 kW
Frequency	60 Hz	Voltage	575 V
Current	91.0 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	405T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6313
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.055 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	37.75 in
Frame Length	16.75 in	Shaft Diameter	2.875 in
Shaft Extension	7.5 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 2:1		
Connection Drawing	A-EE7300S	Outline Drawing	B-SS518936-1675

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- NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	2F	BS
1525	404T	14.75 [374.65]	35.85 [910.59]	12.25 [311.15]	6.12 [155.45]
1675	405T	16.25 [412.75]	37.35 [948.69]	13.75 [349.25]	6.88 [174.75]

DRAWING REVISION E
 REVISION BY JJB
 DATE 02-19-2016
 APPROVED BY JHA
 DATE 02-19-2016
 ECO ECO-0091102
 ECO DESCRIPTION
 UPDATED TO CURRENT STANDARDS
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TOLERANCES UNLESS OTHERWISE SPECIFIED:
 DEC. X ±0.1 [±2.5] ANGLE ±7° 30"
 .XX ±0.03 [±0.76]
 .XXX ±0.005 [±0.127]
 .XXXX ±0.0005 [±0.0127]
 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°
 CORNER FILLETS: R.02 [0.51]
 MACHINED SURFACES: 200 INCH mm 5.1
 mm SHOWN IN [BRACKETS]

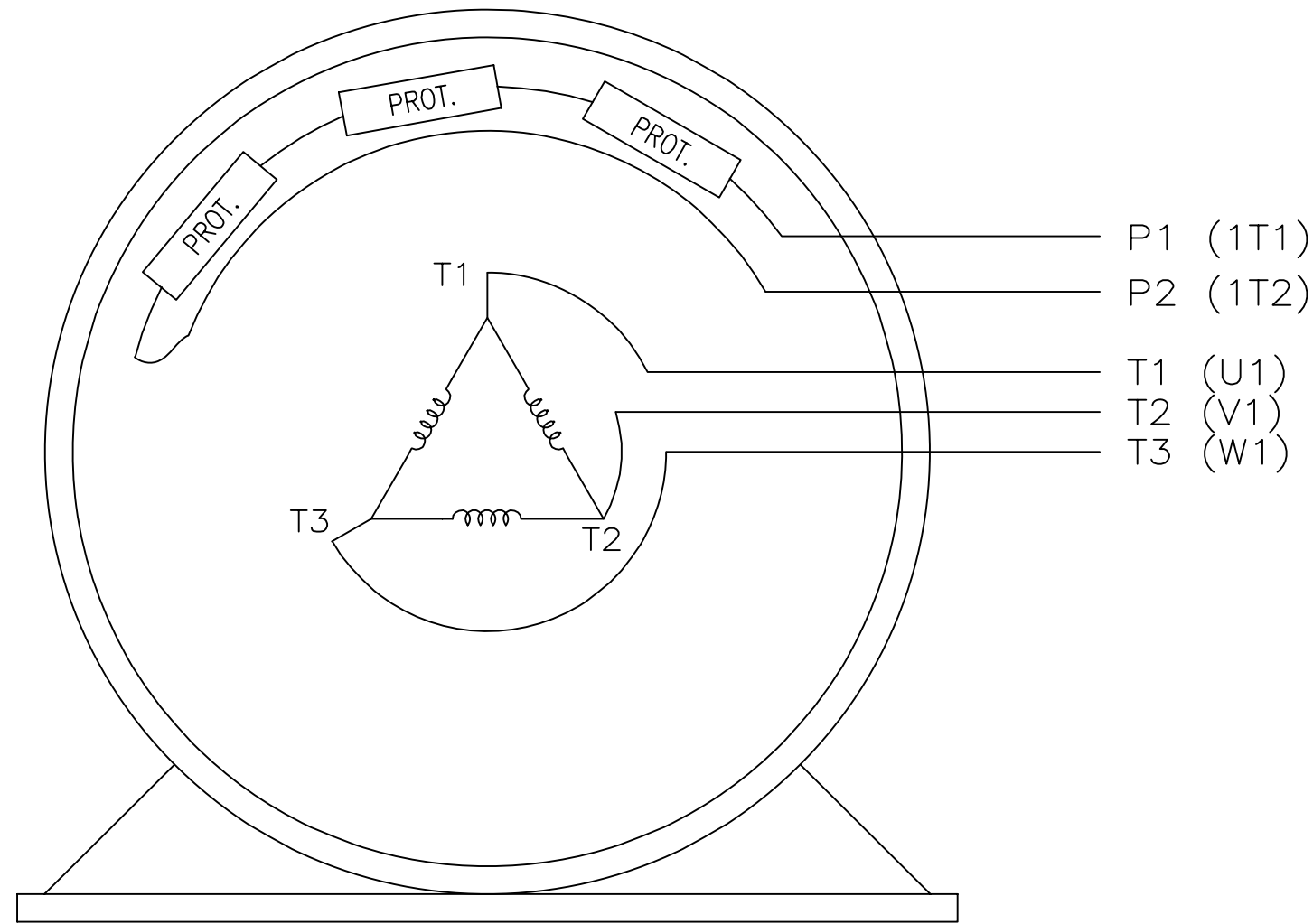
DRAWN BY MSG
 DATE 03-06-2002
 APPROVED BY JES
 DATE 03-20-2002
 REFERENCE
 THIRD ANGLE PROJECTION

REGAL™ Regal Beloit America, Inc.
 DESCRIPTION
OUTLINE
 400T FR. - TEFC - EXP. PR. - (STD.)
 MATERIAL PROCESS/FINISH
 SIZE B DRAWING NUMBER **SS518936** SHEET 1 OF 1

EE7300S

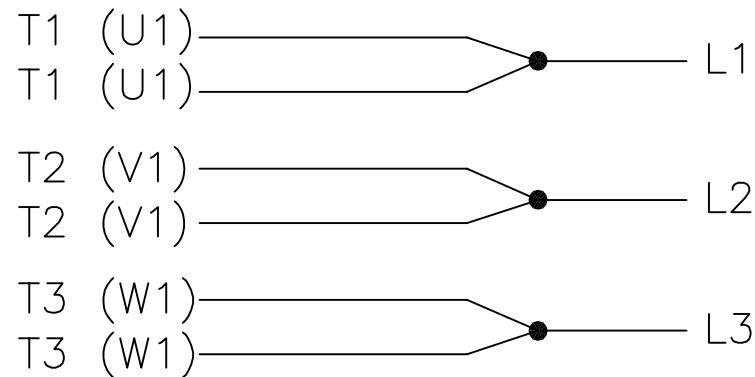
THREE PHASE – SINGLE VOLTAGE MOTOR

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS



VIEW OF TERMINAL END

IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S



A-9806 DECAL

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED			DRAWN	PAGE	OF	REV.		
				DEC.	INCHES							
F	UPDATED TITLE BLOCK	HV 02-27-2014	EWB	.X	±	-	KL	12-15-1999				
3	REMOVED "N.C." FROM PROT.'S MU61770	JJB 08-02-2010		.XX	±	-	CHK	DJK 12-15-1999				
2	ADDED IEC MARKINGS MU61770	KL 09-16-2004	EAB	.XXX	±	-	APPD	DJK 12-15-1999				
1	NEW DRAWING	KL 12-16-1999		.XXXX	±	-			SCALE	1=1		
									REF			
									FMF			
									PREV			
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