## PRODUCT INFORMATION PACKET



Model No: 405TSTDCD4005
Catalog No: U1434
Fire Pump 150 HP, 3 Phase DP Motors, 3600 RPM, 50HZ 415 V, 405TS Frame, Rigid Base,
For use on pumps designed for fire pump duty and installed per NFPA-20
Fire Pump Motors



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## Nameplate Specifications

Output HP	150 Hp	Output KW	112.0 kW	
Frequency	50 Hz	Voltage	415 V	
Current	184.0 A	Speed	2968 rpm	
Service Factor	1.15	Phase	3	
Efficiency	93.3 %	Power Factor	90.7	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	F	
Frame	405TS	Enclosure	Drip Proof	
Thermal Protection	No	Ambient Temperature	50 °C	
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314	
UL	Listed	CSA	Υ	
CE	Υ	IP Code	23	
Number of Speeds	1			

## **Technical Specifications**

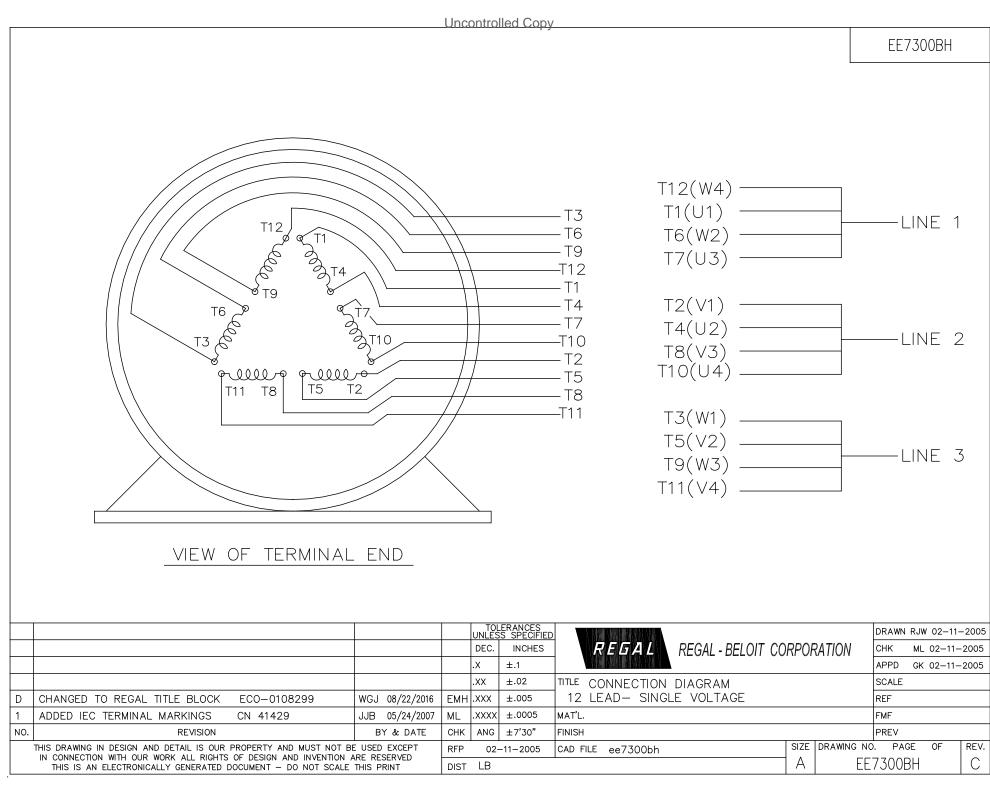
Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.0645 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Shaft Diameter	2.125 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620989	Connection Drawing	EE7300BH

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**Uncontrolled Copy** 4 С Ε 2E 2F BS MOUNTING В 2FF BA 12.25 6.62 F1 OR F2 16.85 31.44 8.00 16.00 13.75 6.87 - 28.33 -- 17.76 -1/2 x 1/2 x 2.75 KEY-13.35 0.41 MIN В 0  $\bigcirc$ 23.78 16.14 6.57 Ø2.125 10.00  $\bigcirc$ 3" NPT LEAD HOLE-└─ 1.14 M10 x 1.5 THRU EARTHING HOLE 4.01 4.25 --1.38 -<del>-(</del> 19.72 ) -4x M12 x 1.75 THRU (B) **JACKING HOLES** F2 VIEW DRAWING REVISION BY B REV DATE/© DATE 25-11-2020 DRAWN BY ์งร VS Regal Beloit America, Inc. REGAL ECO-0195088 APPROVED BY GNK DATE 25-11-2020 DATE 11/01/2019 ECO DESCRIPTION APPROVED BY SBD DESCRIPTION PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] DRAWING UPDATED

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ALCOHOL TO A CONTRACT OF THE PARTY OF THE PA					P.O. BOX 8003								
marathon <sup>®</sup>								WAUSAU, PH. 715-6	, WI 54401-8003				
	marathon*							PH. /15-6	0/0-3311				
						Motors		DAT	A VOLTS:	415			
	CERTIFICATION DATA SHEET												
сиѕтом	IER:						CUSTO	MER P.O. #:					
ORDER #						F	REFERENC	E MODEL #:	405TSTDC				
CONN. D		EE7300BH					CAT #: CUSTOMER PART #:						
OUTLINE: \$\$620989 WINDING: HA22502104 NOI		NONE	1	1				F1/F2 CAPABLE					
SPEED:		10122002101	HOHE						2 0,	, loca			
		-		Т	YPICAL	MOTOR PERFORMA	NCE D	ATA					
HP	кw	SYNC RPM	FL	RPM		FRAME		LOSURE	TYPE	KVA CODE		DESIGN	
150	112	3000	2	968		405TS		DP	TDC	F		В	
PH	HZ	VOLTS	Α	MPS		START TYPE	1	DUTY	INSL	S.F.	AMB	ELEV.	
3	50	415		184		PWS & YDRUN	(	CONT	F	1.15	50	3300	
			0/415 ===	01.1	1	4/0.1 = ===	04.4	OTD 555	1		TVDE		
<b>—</b>	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	94.1 89.7		1/2 LD EFF 1/2 LD PF	94.4 85.2	GTD EFF 88.5		ELECT SQ CAGE			
		00.7	0.4 25 11	00.7			00.2	00.0		04,0,102	III TOTA		
	L. TORQUE	LR AMPS @	460 V			TORQUE	B.D. TORQUE		F.L. RISE (° C	F.L. RISE (° C)			
265	LB-FT	969		340	LB-FT	128%	552	LB-FT	208%	80			
COLIND	PRESSURE @ 3						1		1		1		
SOUND	FT.	SOUND POWER	ROTO	OR WK²		MAX. LOAD WK <sup>2</sup>	SAFE S	TALL TIME		STARTS/HOUR	APROX.	MOTOR WGT	
62	dBA 71 dBA 15.71 LB-FT <sup>2</sup>		LB-FT <sup>2</sup>	95	LB-FT <sup>2</sup>	17	SEC.		2		LB.		
			,										
			MOUNT		*** SL	IPPLEMENTAL INFORMA		ARDOUS	DRIP		1		
DE BE	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIE	ENTATION SEVERE DUTY			CATION	COVER SCREENS		PAINT		
S	TANDARD	STANDARD	RIGID	HORIZO			1	IONE	YES RODENT		RED (ENAMEL)		
DE	BEARINGS	GREASE	SHAF	T TYPE	SPECIAL DE		SPECIAL ODE SH		SHA	SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL				<del> </del>								
6314	6314	POLYREX EM		TS		NONE	NONE 1045 HOT ROLLED (C-204) C/			CAST IRON			
l			WDC	RTD's	BBC BTDI-		THERMISTORS			CONTROL		E HEATERS	
IHE	NONE	PROTECTORS NOT		ONE	BRG RTD's NONE			IONE	FALSE		+	NA	
	110112	1101		0112	l	HOILE				17600	1		
R1	1 (ohms/ph)	R2 (ohms/ph)	X1 (o	hms/ph)			Xm (	ohms/ph)	VIBRATION (in/sec)		FLOAT		
	0	0		0	0			0	0.150		ODE		
*							I						
l N						INVERTER TORQUE: NONE							
0						INV. HP SPEED RANGE: NONE							
т													
E								ENCODER:	NONE				
S .						NONE NONE			NONE	PPR			
						BRAKE: NONE							
1	PREPARED BY:					NONE NONE							
1	DATE: 11/17/2021					FT-LB: NA							
EODM: 3	FORM: 2524 PEV 4 2/07/06				VOLTAGE: NONE HZ: UL: NO LETTER - ALL BRANDS-UL LISTED FIRE PUMP MOTORS								
FURM: 3	FORM: 3531 REV_4 2/27/06						UL: NO LETTER - ALL BRANDS-UL LISTED FIRE PUMP MOTORS						

