## PRODUCT INFORMATION PACKET



Model No: 405TSTDCD4035 Catalog No: U1122 125 HP Fire Pump Motor, 3 phase, 1800 RPM, 575 V, 405TS Frame, ODP Fire Pump Motors



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## Nameplate Specifications

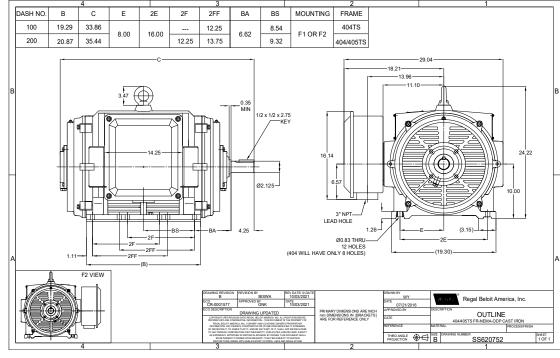
Output HP	125 Hp	Output KW	93.0 kW	
Frequency	60 Hz	Voltage	575 V	
Current	114.0 A	Speed	1785 rpm	
Service Factor	1.15	Phase	3	
Efficiency	94.5 %	Power Factor	87	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	F	
Frame	405TS	Enclosure	Drip Proof	
Thermal Protection	No	Ambient Temperature	50 ℃	
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6315	
UL	Listed	CSA	Υ	
CE	Υ	IP Code	23	
Number of Speeds	1			

## **Technical Specifications**

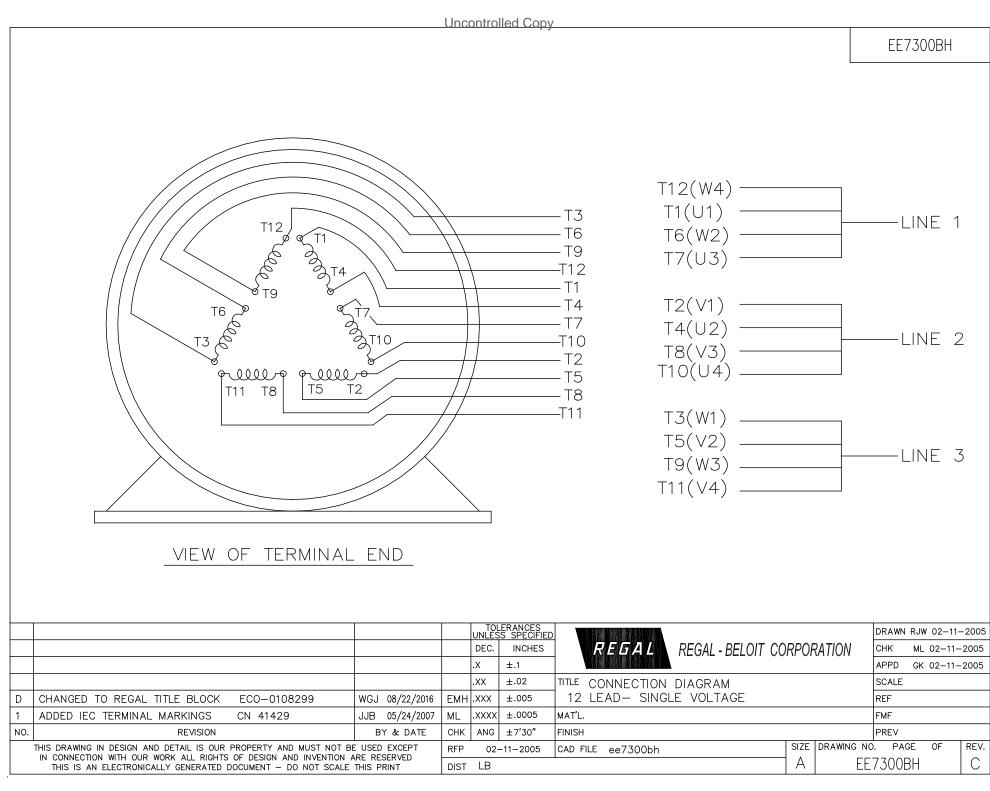
Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.065 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	35.44 in
Frame Length	21.25 in	Shaft Diameter	2.125 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	EE7300BH	Outline Drawing	SS620752-405TS

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							erect	1.					
				_							DATA VOLTS:	460	
					CE	RTIFICA	TION DAT	ΓA SHE	ET				
CUSTOM	ED.							CUSTO	MER P.O. #:				
ORDER #:								405TSTDCD4	1025		_		
CONN. DI		EE7300BI	<u> </u>					EFENEIN	CAT #:		1122		=
OUTLINE		SS620752						CUCTO	// CAT #: //ER PART #:	U	1122		
WINDING				NONE	0			CUSTO		F1/F2 CAPAE	N. F.		_
		16	E2L2504101	NONE	2				MOUNTING:	FI/F2 CAPAL	SLE		
SPEED:				т	YPICAL	. мото	R PERFO	RMANC	E DATA				
HP	KW	SYNC RPM		FL R	FL RPM FRAME		ENCLOSURE		TYPE	KVA CODE		DESIGN	
125	93	1800		178	1785 405TS		DP		TDC	F		В	
		I				1				-	I .		.1
PH	HZ	VOLTS		AM	PS	START TYPE		DUTY		INSL	S.F.	AMB	ELEV.
3	60	575		11	4	PWS 8	& YDRUN	CONT		F	1.15	50	3300
						1				ı			
	F.L. EFF			3/4 LD EFF	94.5		1/2 LD EFF	93.6	GTD EFF		ELECT. TY		
	F.L. PF	87.0		3/4 LD PF	85.0		1/2 LD PF	80.0	0.0		SQ CAGE IND	RUN	
	OBOUE		D AMBO A	400.1/		L D TODO	ur		D.D. TODOU	·-	E L DIOE	(° 0)	1
	ORQUE LB-FT	LI	R AMPS @	460 V	625	L.R. TORQ LB-FT	170%	840	B.D. TORQI	228%	F.L. RISE 45	(°C)	
368	LB-F1		640		625	LB-F1	170%	840	LB-F1	228%	45		
@	3 FT.	PO.	WER	ROTOR	2 WK2	MAYI	OAD WK <sup>2</sup>	CVEE C	TALL TIME	STAD.	TS/HOUR	MOTO	R WGT
80	dBA	89	dBA	0.00	LB-FT <sup>2</sup>	0	LB-FT <sup>2</sup>	20 20	SEC.	SIAN	0	0	LB.
- 60	UDA	69	UDA	, U.UU	LD-FI	U	LD-FI	20	SEC.		U	U	LD.
					*** SI	IPPI FME	NTAL INFO	RMATIC	N ***				
		ODE B	RACKET	MOUNT		TOR	SEVERE		ARDOUS	DRIP			
DE BRACKET TYPE TY		YPE	TYPE ORIENT		TATION DUTY		LOCATION		COVER	SCREENS	PAINT		
STAN	NDARD	STAN	NDARD	RIGID	HORIZ	ZONTAL	NO	N	IONE	NO	NONE	RED (E	NAMEL)
	RINGS	GR	EASE	SHAFT	T TYPE SPECIAL DE		SPECIAL ODE		SHAFT	MATERIAL	FRAME I	MATERIAL	
DE	ODE	-								0.00.0			
6316	BALL 6315	POLY	REX EM	TS	6	N	ONE	N	IONE	1045 HOT F	HOT ROLLED (C-204) CAST		ΓIRON
		ı				1				I		l en	ACE
THERMOSTATS PROTECTORS		FCTORS	WDG F	OG RTD's BRG RTD's		THERMISTORS		CONTROL		SPACE HEATERS			
		IOT		NONE NONE		NONE		FALSE		NA NA			
144	J11L			1101			ONE		IOITE		LOL		
R1 (ol	hms/ph)	R2 (ol	hms/ph)	X1 (ohr	ns/ph)	X2 (o	hms/ph)	Xm (	ohms/ph)	VIBRAT	ION (in/sec)	FL	OAT
	.06		.028	0.2			0.44		0.417		.150	0	DE
		ı				1	L.						
*													
N		INVERTER T							ER TORQUE:	NONE			
0									INV. HP SP	EED RANGE:	NONE		
Т													
E							ENCODER: NONE						
S									NONE				
*									NONE			NONE	PPR
									BRAKE:				
PREF	PARED BY:			.Α						DNE	NON	Ē	
	DATE:	8/31	1/2018						FT-LB:		NA		
									VOLTAGE:	N	ONE		HZ:
EODM: 3	531 REV /	2/27/06						111 -	NONE				

