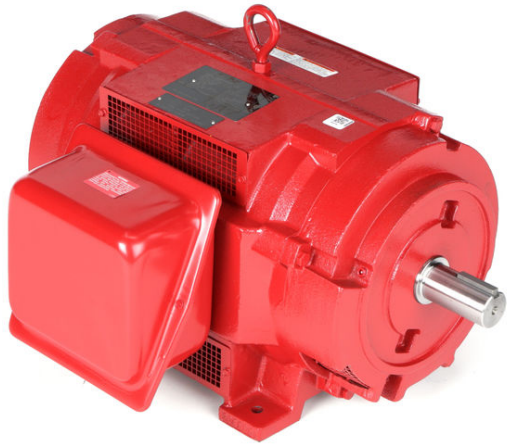
PRODUCT INFORMATION PACKET

Model No: 286TSTDBD4008
Catalog No: U1106
40 HP Fire Pump Motor, 3 phase, 3600 RPM, 575 V, 286TS Frame, ODP
Fire Pump Motors



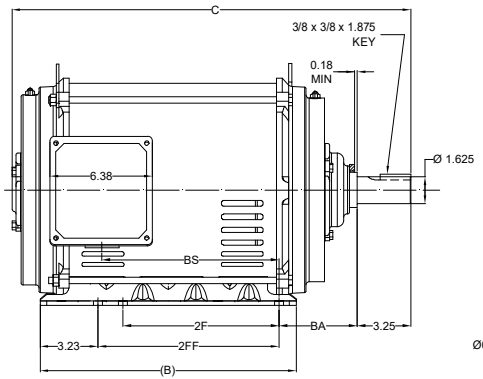
Nameplate Specifications

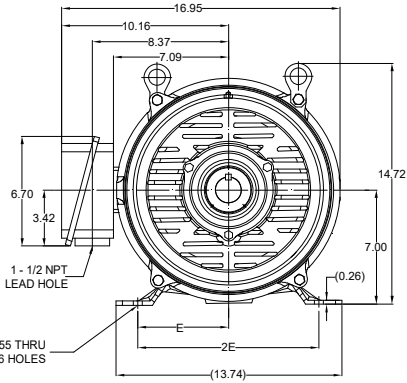
Output HP	**40 Hp**	Output KW	**30.0 kW**
Frequency	**60 Hz**	Voltage	**575 V**
Current	**37.5 A**	Speed	**3555 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**91.7 %**	Power Factor	**87**
Duty	**Continuous**	Insulation Class	**F**
Design Code	**B**	KVA Code	**F**
Frame	**286TS**	Enclosure	**Drip Proof**
Thermal Protection	**No**	Ambient Temperature	**50 °C**
Drive End Bearing Size	**6211**	Opp Drive End Bearing Size	**6211**
UL	**Listed**	CSA	**Y**
CE	**Y**	IP Code	**23**
Number of Speeds	**1**		

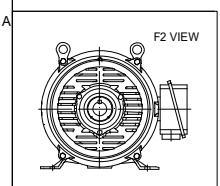
Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Part Wdg Start & Wye Start Delta Run**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.285 Ohms**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**TS**	Overall Length	**25.72 in**
Frame Length	**13.97 in**	Shaft Diameter	**1.625 in**
Shaft Extension	**3.25 in**	Assembly/Box Mounting	**F1/F2 CAPABLE**
Connection Drawing	**EE7300BH**	Outline Drawing	**SS620709-286TS**

DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	15.55	24.34	5.50	11.00	9.50	11.00	4.75	10.80	F1 OR F2	284TS
200		25.72						12.18		286TS







DRAWING REVISION	REVISION BY	REV DATE/ ⊕ DATE
C	VS	22-02-2021
ECO	APPROVED BY	DATE
CR-0001300	GNK	22-02-2021

ECO DESCRIPTION: BS VALUE CORRECTION

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

DRAWN BY	VS
DATE	12-02-2021
APPROVED BY	GNK
DATE	12-02-2021
REFERENCE	

THIRD ANGLE PROJECTION

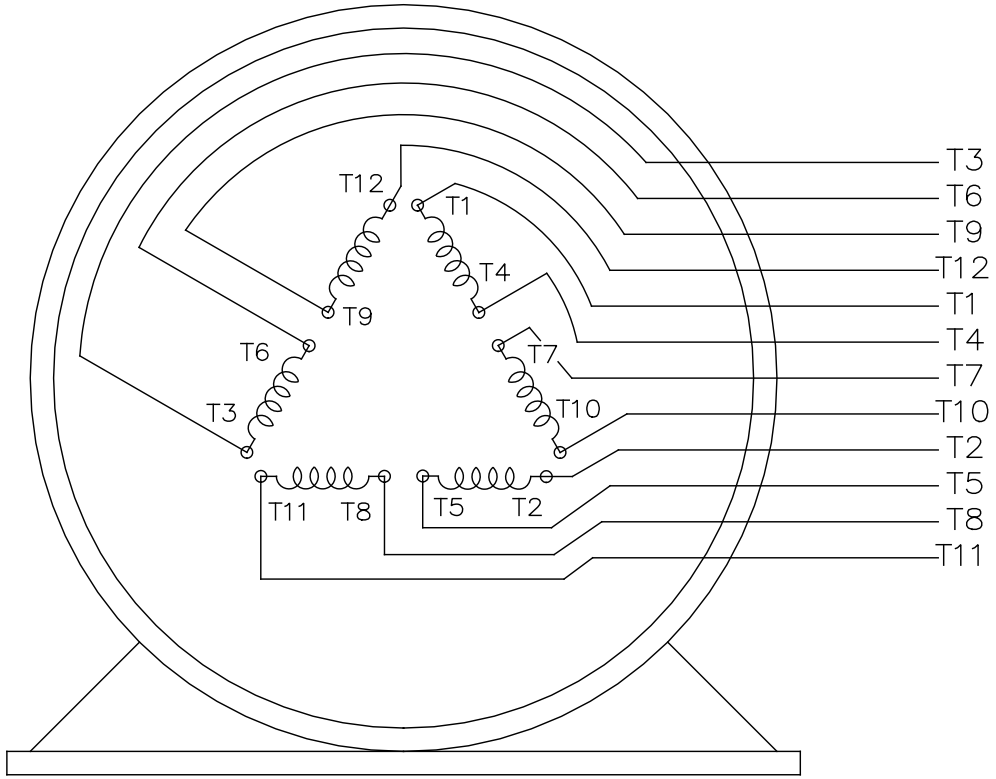
Regal Beloit America, Inc.

DESCRIPTION: OUTLINE
284/286TS FR NEMA ODP RS

MATERIAL | PROCESS/FINISH

SIZE: B | DRAWING NUMBER: SS620709 | SHEET: 1 OF 1

EE7300BH



VIEW OF TERMINAL END

T12(W4)
T1(U1)
T6(W2)
T7(U3)
LINE 1

T2(V1)
T4(U2)
T8(V3)
T10(U4)
LINE 2

T3(W1)
T5(V2)
T9(W3)
T11(V4)
LINE 3

				TOLERANCES UNLESS SPECIFIED		REGAL - BELOIT CORPORATION	DRAWN RJW 02–11–2005
				DEC.	INCHES		CHK ML 02–11–2005
				.X	±.1		APPD GK 02–11–2005
				.XX	±.02	TITLE CONNECTION DIAGRAM	SCALE
D	CHANGED TO REGAL TITLE BLOCK ECO–0108299	WGJ 08/22/2016	EMH	.XXX	±.005	12 LEAD– SINGLE VOLTAGE	REF
1	ADDED IEC TERMINAL MARKINGS CN 41429	JJB 05/24/2007	ML	.XXXX	±.0005	MAT'L.	FMF
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV

RFP 02–11–2005
DIST LB
CAD FILE ee7300bh

SIZE	DRAWING NO.	PAGE OF	REV.
A	EE7300BH		C

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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7300BH
OUTLINE: SS620709
WINDING: IE3L1802111 NONE 4
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 286TSTDBD4008
CAT #: U1106
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
40	30	3600	3555	286TS	DP	TDC	F	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	37.5	PWS & YDRUN	CONT	F	1.15	50	3300

F.L. EFF	91.7	3/4 LD EFF	91.7	1/2 LD EFF	90.2	GTD EFF	ELECT. TYPE
F.L. PF	87.0	3/4 LD PF	84.0	1/2 LD PF	76.0	90.2	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
59.0 LB-FT	216	87.0 LB-FT 147%	145 LB-FT 246%	40	

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
999 dBA	1008 dBA	0.00 LB-FT²	0 LB-FT²	20 SEC.	2	0 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	RED (ENAMEL)

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6211	BALL 6211	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.266	0.122	0.731	1.093	26.477	0.150	ODE

*
NOTES
*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE PPR

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE HZ:
UL: NONE

PREPARED BY: FAREEDA DUDEKULA
DATE: 9/19/2018

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 12/13/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

286TSTDBD4008

Submittal

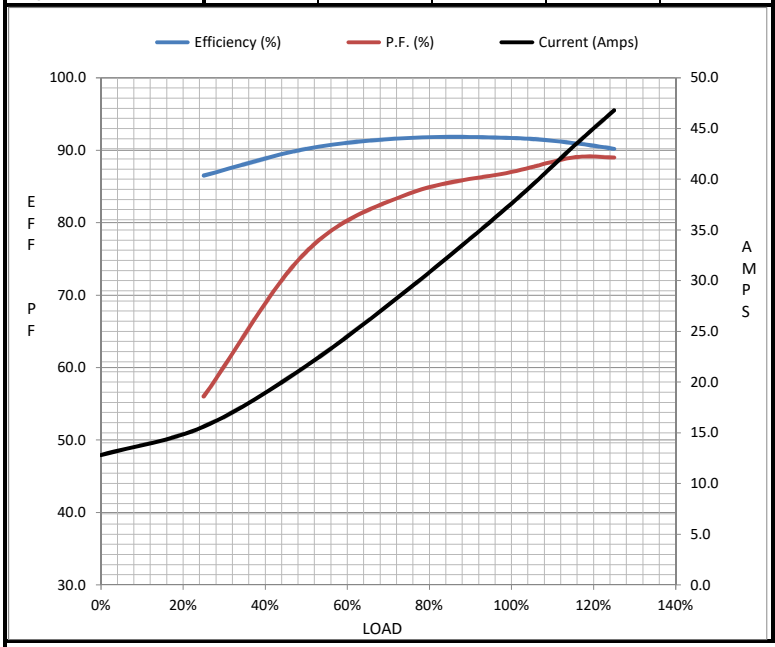
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	12.8	15.6	21.6	29.2	37.6	43.2	46.8	216	
Torque (ft-lb)	0.00	14.6	29.5	44.0	59.0	68.0	74.0	87.0	
RPM	3600	3590	3578	3565	3555	3,545	3540	0	
Efficiency (%)		86.5	90.2	91.7	91.7	91.0	90.2		
P.F. (%)	8.0	56.0	76.0	84.0	87.0	89.0	89.0	37.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3350	3555	3600
Current (Amps)	216	200	124	37.6	12.8
Torque (ft-lb)	87.0	75.0	145	59.0	0.00



Information Block

HP	40.0	
Sync. RPM	3600	
Frame	286	
Enclosure	DP	
Construction	TDB	
Voltage	575	V
Frequency	60	Hz
Design	B	
LR Code letter	F	
Service Factor	1.15	
Temp Rise @ FL	40	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.00	Lb-Ft²
Ref Wdg	IE3L1802111 NONE	
Sound Pressure @ 1M	999	dBA
VFD Rating	NONE	
Outline Dwg	SS620709	
Conn. Diag	EE7300BH	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.2660	0.1220	0.7310	1.0930	26.4770