PRODUCT INFORMATION PACKET

Model No: 256TTDBD4008
Catalog No: U1100
25 HP Fire Pump Motor, 3 phase, 3600 RPM, 575 V, 256T Frame, ODP
Fire Pump Motors

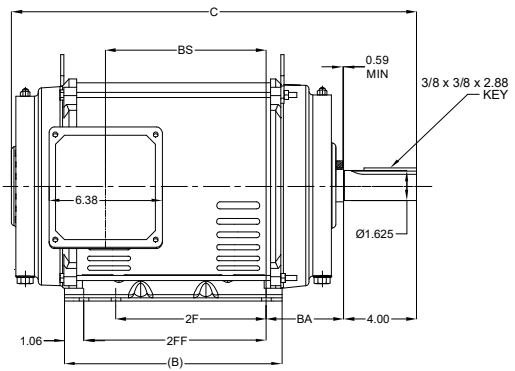
Nameplate Specifications

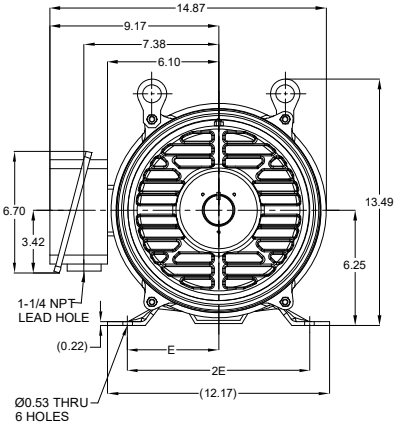
Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	575 V
Current	23.2 A	Speed	3545 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Frame	256T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	50 °C
Drive End Bearing Size	6209	Opp Drive End Bearing Size	6208
UL	Listed	CSA	Y
CE	Y	IP Code	23
Number of Speeds	1		

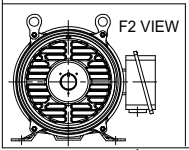
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.635 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	24.22 in
Frame Length	12.20 in	Shaft Diameter	1.625 in
Shaft Extension	4.00 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS620685-256T	Connection Drawing	EE7300BH

DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	11.93	22.64	5.00	10.00	8.25	10.00	4.25	9.15	F1 OR F2	254T
200		24.22						10.71		256T







DRAWING REVISION	REVISION BY	REV DATE/ ⊕ DATE
B	BISWA	03/03/2021
ECO	APPROVED BY	DATE
CR-0001444	GNK	03/03/2021

ECO DESCRIPTION: DRAWING UPDATED

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

DRAWN BY	XZ
DATE	25/02/2016
APPROVED BY	
DATE	
REFERENCE	

THIRD ANGLE PROJECTION

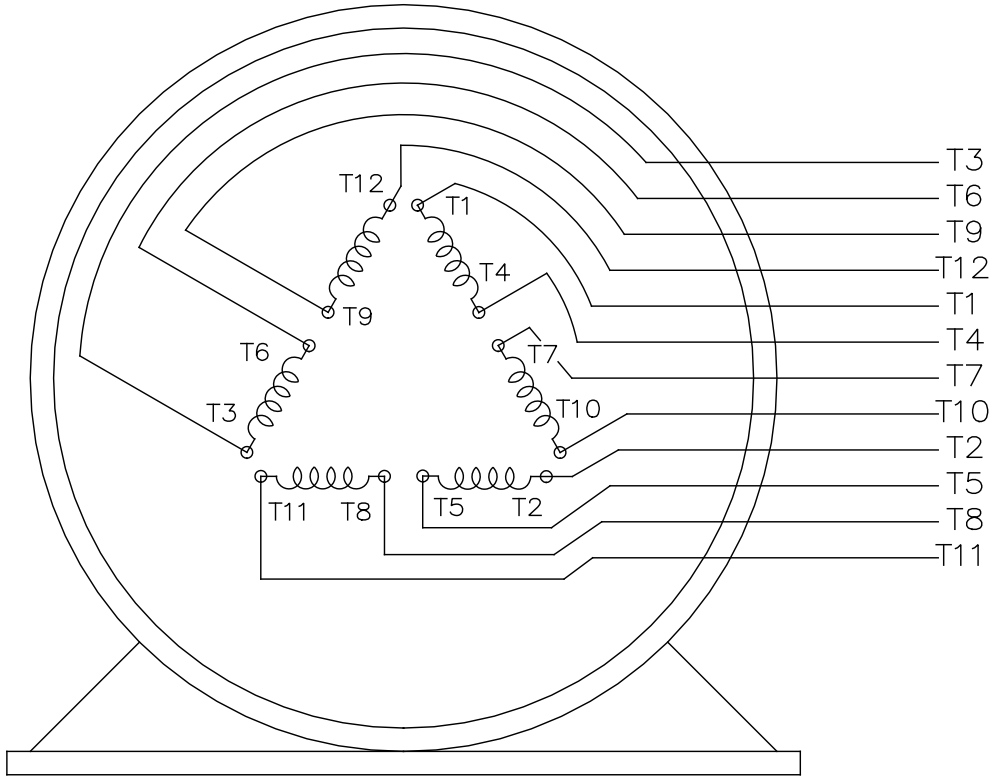
Regal Beloit America, Inc.

DESCRIPTION: OUTLINE
254/256T FR NEMA ODP RS

MATERIAL | PROCESS/FINISH

SIZE: B | DRAWING NUMBER: SS620685 | 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: SS620685
WINDING: IE3L1602110 NONE 4
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 256TTDBD4008
CAT #: U1100
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
25	18.7	3600	3545	256T	DP	TDC	F	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	23.2	PWS & YDRUN	CONT	F	1.15	50	3300

F.L. EFF	91.0	3/4 LD EFF	91.0	1/2 LD EFF	90.2	GTD EFF	ELECT. TYPE
F.L. PF	88.0	3/4 LD PF	85.0	1/2 LD PF	77.0	89.5	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
37.2 LB-FT	140	56.0 LB-FT 151%	92.0 LB-FT 247%	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 6209	BALL 6208	POLYREX EM	T	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
0.585	0.221	1.347	1.169	43.978	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: 11/5/2018

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 1/25/2019
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® Motors

256TTDBD4008

Submittal

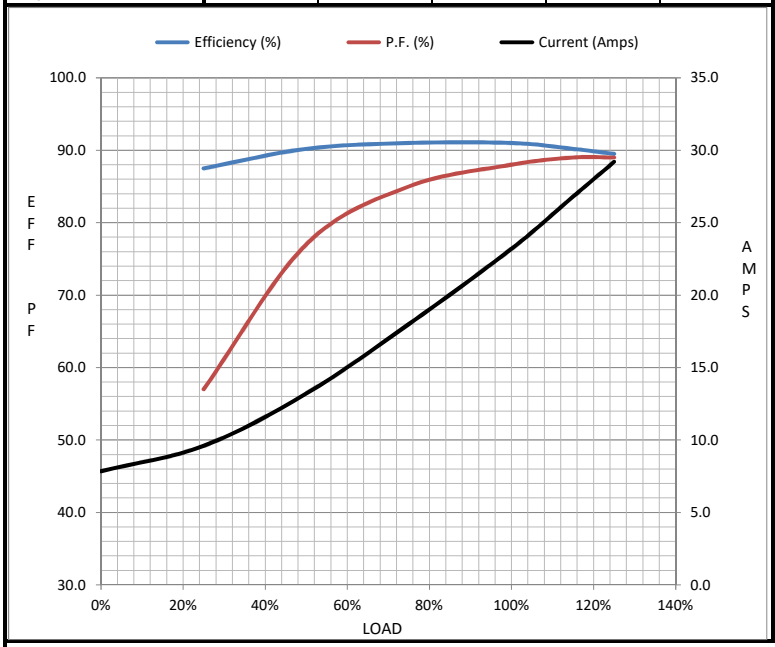
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	7.8	9.6	13.2	18.0	23.2	26.8	29.2	140	
Torque (ft-lb)	0.00	9.2	18.5	27.8	37.2	42.8	46.5	56.0	
RPM	3600	3585	3575	3560	3545	3,535	3525	0	
Efficiency (%)		87.5	90.2	91.0	91.0	90.2	89.5		
P.F. (%)	7.0	57.0	77.0	85.0	88.0	89.0	89.0	44.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3350	3545	3600
Current (Amps)	140	128	84.0	23.2	7.8
Torque (ft-lb)	56.0	48.0	92.0	37.2	0.00



Information Block

HP	25.0	
Sync. RPM	3600	
Frame	256	
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	3,300	feet
Rotor/Shaft wk²	0.00	Lb-Ft²
Ref Wdg	IE3L1602110 NONE	
Sound Pressure @ 1M	0	dBA
VFD Rating	NONE	
Outline Dwg	SS620685-256T	
Conn. Diag	EE7300BH	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.5850	0.2210	1.3470	1.1690	43.9780

Speed -Torque Curve