

PRODUCT INFORMATION PACKET

Model No: 056T11O5309

Catalog No: X526

2 HP Condenser Fans HVAC/R Motor, 3 phase, 1200 RPM, 575 V, 56Z Frame, OPAO
Condenser Fans Motors



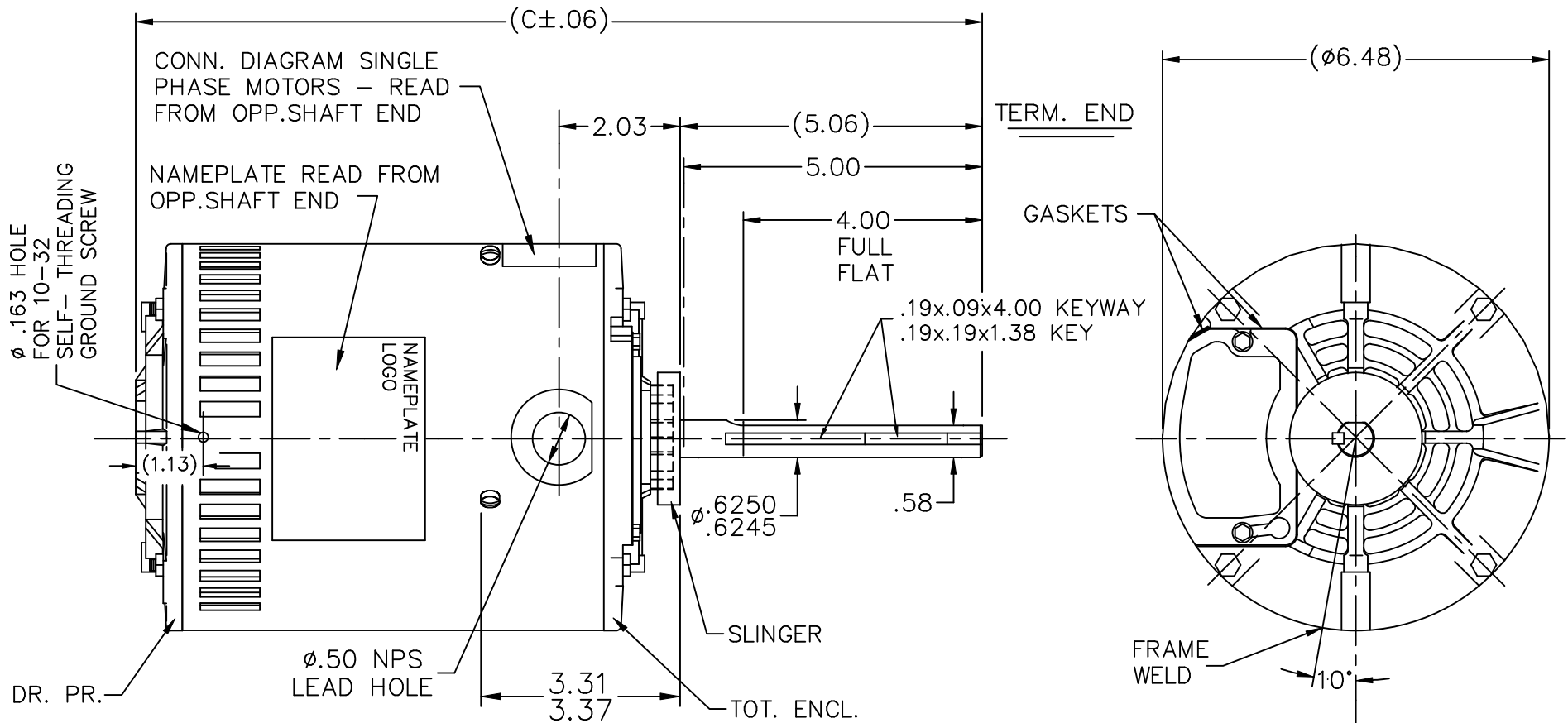
Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	575 V
Current	2.7 A	Speed	1140 rpm
Service Factor	1	Phase	3
Efficiency	81.5 %	Power Factor	67
Duty	Continuous	Insulation Class	H
Design Code	NO DESIGN CODE	KVA Code	J
Frame	56Z	Enclosure	Open Air Over
Thermal Protection	Automatic	Ambient Temperature	70 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized (Not Protector)	CSA	Y
CE	N	IP Code	10

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	9 Ohms	Mounting	Round Belly Band
Motor Orientation	Shaft Up	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	16.68 in
Frame Length	9.56 in	Shaft Diameter	0.625 in
Shaft Extension	5.06 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-100153-956	Connection Drawing	A-EE7335B

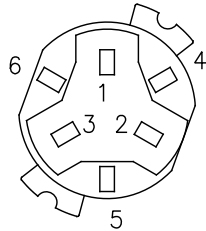
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DASH	FRAME	C		DASH	FRAME	C	
656	56-65	13.68		856	56-85	15.68	
706	"-70	14.18		906	"-90	16.18	
756	"-75	14.68		956	"-95	16.68	
806	"-80	15.18					

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN MJD 03-27-1998					
				DEC.	INCHES		CHK	ML	04-02-1998			
				.X	$\pm .1$	TITLE OUTLINE 56 FR. MAT'L. FINISH	APPD	GK	04-02-1998	SCALE	3=8	
7	ADDED LOCATING SCREWS	ISAAC 07-1469	RJW 08-31-2007	EH	.XX		$\pm .03$	REF				
6	REDRAWN IN AUTOCAD		TAT 08-03-2004	ML	.XXX		$\pm .005$	FMF				
5	REDRAWN ON CADD		MJD 04-02-1998		.XXXX		$\pm .0005$	PREV				
NO.	REVISION		BY & DATE	CHK	ANG		$\pm 7'30''$					
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				DIST	WP			A	100153			7

SINGLE VOLTAGE – THREE PHASE WITH OVERLOAD PROTECTOR

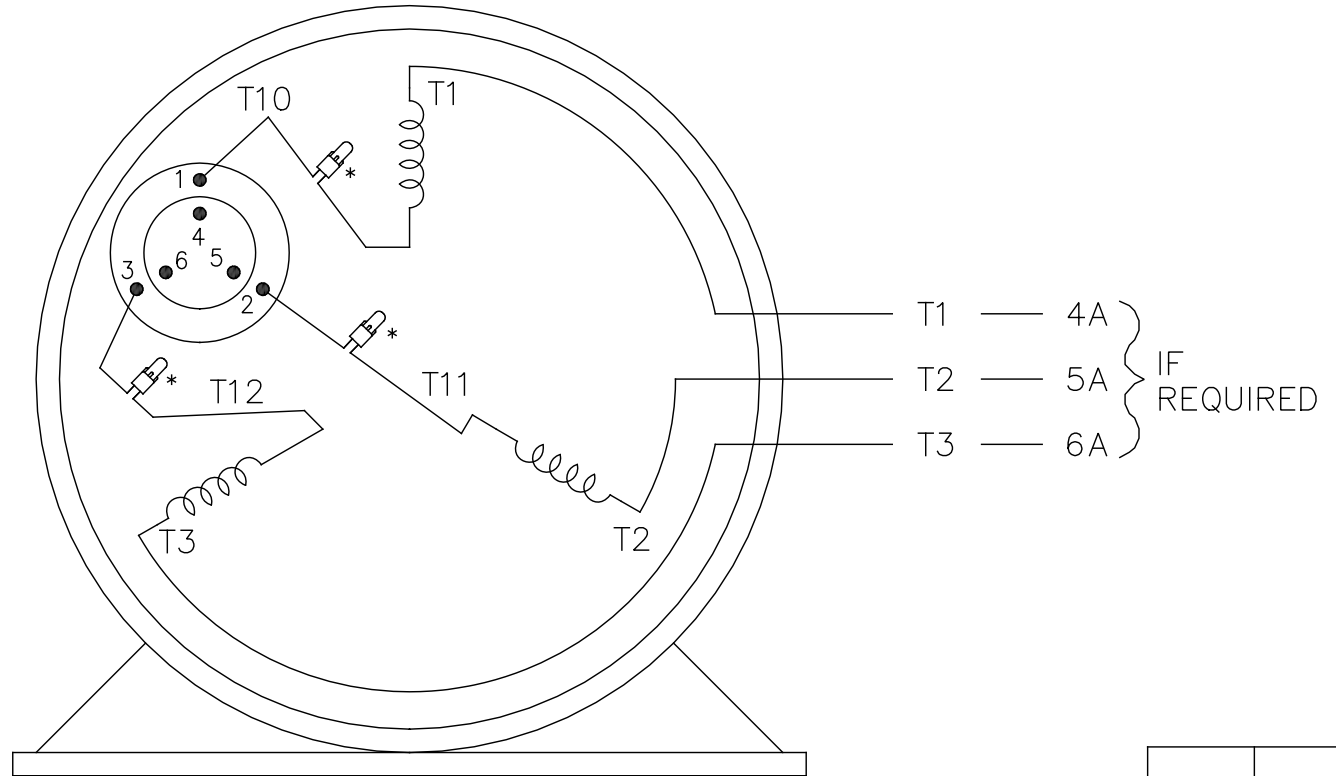


NOTE:
ACTUAL PROTECTOR
TERMINAL LOCATIONS
FOR LEAD CONNECTIONS

NOTE:

WEST PLAINS

LEADS WITH TERMINALS
SHOULD BE CONNECTED
TO INBOARD SIDE OF
TERMINAL BOARD.



VIEW OF TERMINAL END

–TO REVERSE ROTATION–
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS

OPTIONAL CORD
CONNECTION

- L1 — WHITE —
- L2 — RED —
- L3 — BLACK —

		T6CK
T6CA	T6BM	
T4CC	T4AY	
T4C	T2DL	
T6D	T2H	

* USE PRESSURE CONNECTORS FOR MT2 PLANT ONLY

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	FINISH	PREV
11	ADDED THE OPTIONAL CORD CONNECTION	JAH 11-12-2014	RD				DRAWN KL 08-25-1993
10	PRESSURE CONNECTORS ADDED (QTY 3)	PVR 07-09-2014	GR				CHK RD 11-12-2014
9	ADDED 4A, 5A, & 6A "IF REQUIRED" MU44987	MSG 01-07-2002	SAS	.X	± -		APPD RD 11-12-2014
8	ADDED ACTUAL PROTECTOR VIEW CN 17481	KL 05-18-1994		.XX	± -	TITLE CONNECTION DIAGRAM	SCALE 1=1
7	REWORDED WEST PLAINS NOTE – PER WEST PLAINS	DD 01-12-1994		.XXX	± -	SINGLE VOLT – 3Ø WITH OVERLOAD PROT.	REF
6	REDRAWN ON CAD – "WEST PLAINS" NOTE ADDED	KL 08-26-1993		.XXXX	± -	MAT'L.	FMF

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RFP	CAD FILE EE7335B	SIZE A	DRAWING NO. EE7335B	PAGE OF	REV. 11
DIST LB-WP					

CERTIFICATION DATA SHEET

Model#: 56T1105309 H WINDING#: ZT600 DR 2
 CONN. DIAGRAM: A-EE7335B ASSEMBLY: F1 ONLY
 OUTLINE: A-100153-956

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1200	1140	56Z	OPAO	J	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	2.7	ACROSS THE LINE	CONTINUOUS	H1	1.0	70	3300

FULL LOAD EFF: 81.5	3/4 LOAD EFF: 79	1/2 LOAD EFF: 77.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
			78.5	SQ CAGE IND RUN	1.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9.1 LB-FT	15.8	25.6 LB-FT 281	29.5 LB-FT 324	70

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
63 dBA	73 dBA	0.14 LB-FT^2	35 LB-FT^2	15 SEC.	2	48 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	ROUND BELLY BAND	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	DC 44M	SGL SPL EXT	0.625 x 5.00 IN SEKF WITH 4.00 IN FULL FLAT	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

575

Volts

HP 2.00

PHASE 3

Model No 56T1105309

60

HZ

VOLTS 575

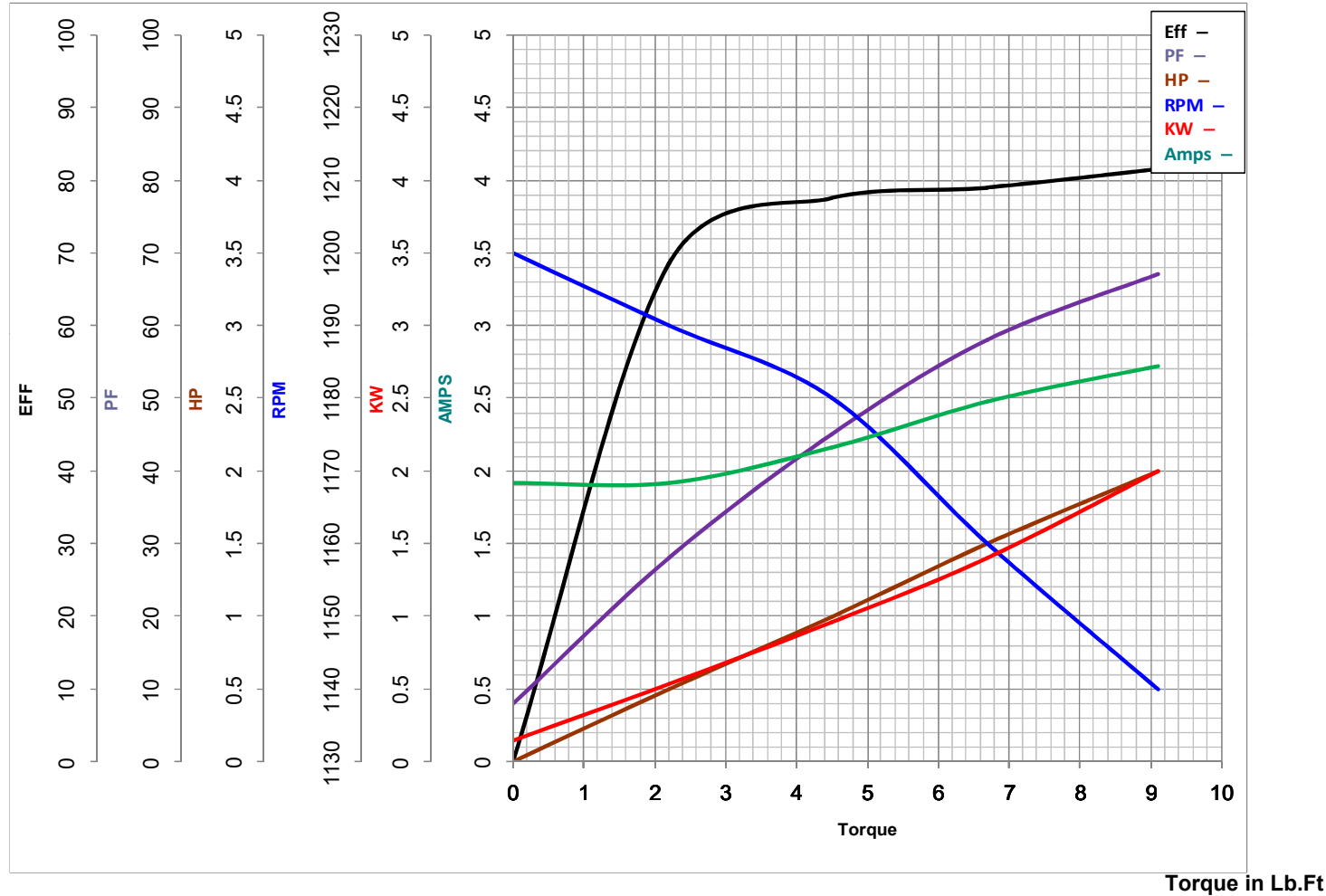
Catalog No X526

2

HP

HZ 60

RPM 1140



Torque in Lb.Ft

FL TORQUE 9.1 Lb.Ft
BD TORQUE 29.5 Lb.Ft
LR TORQUE 25.6 Lb.Ft

FL AMPS 2.7
PU TORQUE 26.0 Lb.Ft
LR AMPS 15.84

WINDING ZT600-2

Date 1/23/2019