

BALDOR® • ***RELIANCE***

Product Information Packet

AFM3532

3HP,3450RPM,3PH,60HZ,145T,3528M,TEAO,F1

Part Detail							
Revision:	AE	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGT123	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35T908	Layout:	35LYT908	Poles:	02	Created Date:	06-22-2007
Base:	RG	Eff. Date:	03-21-2017	Leads:	9#18 14" minimum		Y

Specs			
Catalog Number:	AFM3532	Insulation Class:	F
Enclosure:	TEAO	Inverter Code:	Not Inverter
Frame:	145T	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	3.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Exit:	Terminal Panel Or Lead Hole
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3528M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	89
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Product Type:	FARM DUTY
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Tapped & Key
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	3.800 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	7.600 A @ 230.0 V	Shaft Rotation:	Reversible
	8.100 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	Normally Closed Thermostat
Front Face Code:	Terminal Panel	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1279L										
CAT.NO.	AFM3532									
SPEC.	35T908T123G1									
HP	3 AIR OVER									
VOLTS	230/460									
AMP	7.6/3.8									
RPM	3450									
FRAME	145T			HZ	60			PH	3	
SER.F.	1.00			CODE	K		DES	B	CL	F
NEMA-NOM-EFF	82.5			PF	89					
RATING	40C AMB-CONT									
CC							USABLE AT 208V	8.1		
DE	6205			ODE	6203					
ENCL	TEAO			SN						

AC Induction Motor Performance Data

Record # 20989 - Typical performance - not guaranteed values

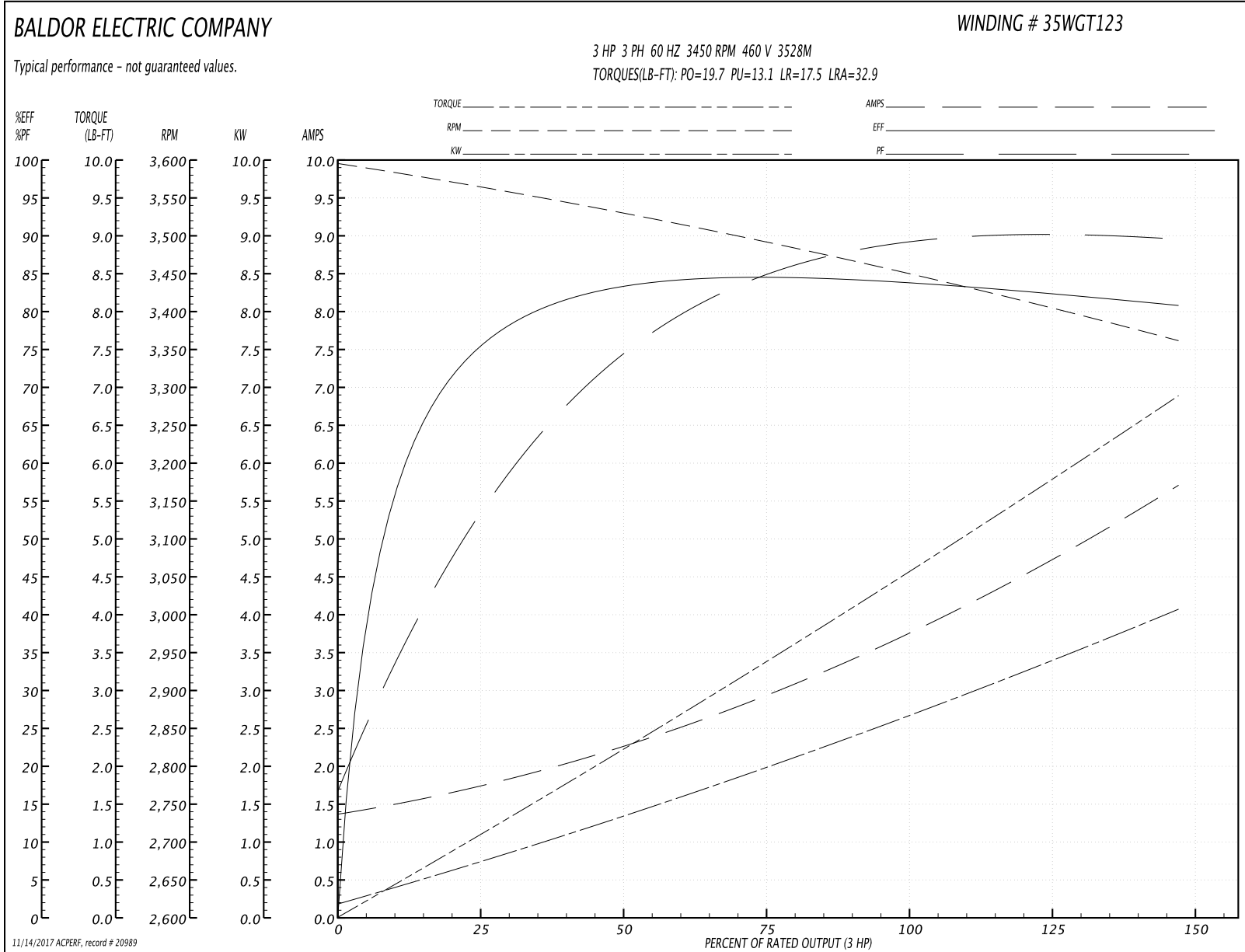
Winding: 35WGT123-R011	Type: 3528M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	4.6 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	8.1-7.6/3.8			Breakdown Torque	19.7 LB-FT
R.P.M.	3450			Pull-up Torque	13.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17.5 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	32.9 A
Service Factor (S.F.)	1			No-load Current	1.4 A
NEMA Nom. Eff.	82.5	Power Factor	89	Line-line Res. @ 25°C	5.1 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	68°C

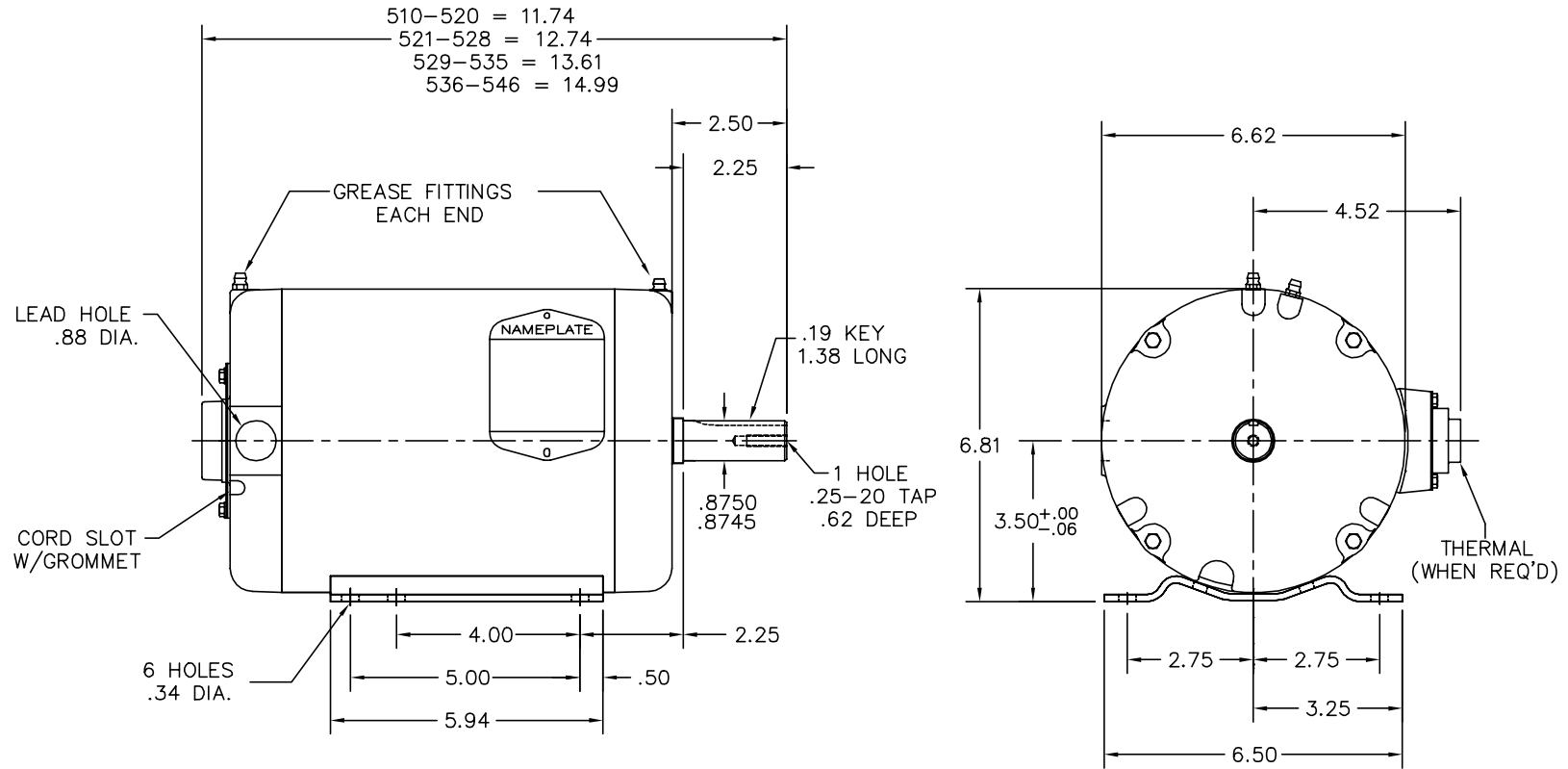
Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	55	74	83	87	88	88
Efficiency	76	83	84.3	84	82.7	80.6
Speed	3559	3525	3490	3452	3409	3358
Line amperes	1.7	2.3	3	3.8	4.7	5.7

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values



35LYT908



AERATION FAN MOTOR

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: LEAD HOLE .88 DIA WAS LEAD HOLE .88 DIA. W/PLUG

REV. LTR: A	VERSION: 01	TDR: 000000444235
8061A75C	FILE: \AAA\00110\931	REVISED: 21:15:40 09/24/2007
	MTL: -	BY: ENMARHO

BALDOR ELECTRIC Co.

HOR 143-5T TEAO 35M-T.P/AERA FAN, 2 POLE "W" BASE(35BA4009)

35LYT908

CD0005

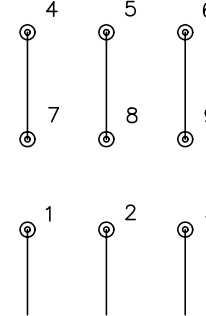


LOW VOLTAGE (2Y)



LINE

HIGH VOLTAGE (1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
9000D		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005