



Product Information Packet

EM3611T

3HP,1760RPM,3PH,60HZ,182T,3632M,TEFC,F1

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGS266	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36Q570	Layout:	36LYQ570	Poles:	04	Created Date:	09-02-2015
Base:	RG	Eff. Date:	12-07-2020	Leads:	9#16		

Specs			
Catalog Number:	EM3611T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	182T	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	K
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	3.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3632M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	75
	CSA EEV	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	4.200 A @ 460.0 V	Shaft Rotation:	Reversible
	8.400 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	9.000 A @ 208.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP3441LUA

CAT.NO.	EM3611T											
SPEC	36Q570S266G1											
HP	3											
VOLTS	230/460											
AMPS	8.4/4.2											
RPM	1760											
FRAME	182T				HZ	60				PH	3	
SF	1.15			CODE	K	DES	B		CLASS	F		
NEMA NOM. EFF	89.5			PF	75							
RATING	40C AMB-CONT											
CC	010A			USABLE AT 208V						9		
ENCL	TEFC			SER								
DE	6206				ODE	6205						
VPWM INVERTER READY												
CT6-60H(10:1)VT3-60H(20:1												
	50Hz 3HP 190/380V 9.6/4.8A											
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AC Induction Motor Performance Data

Record # 53364

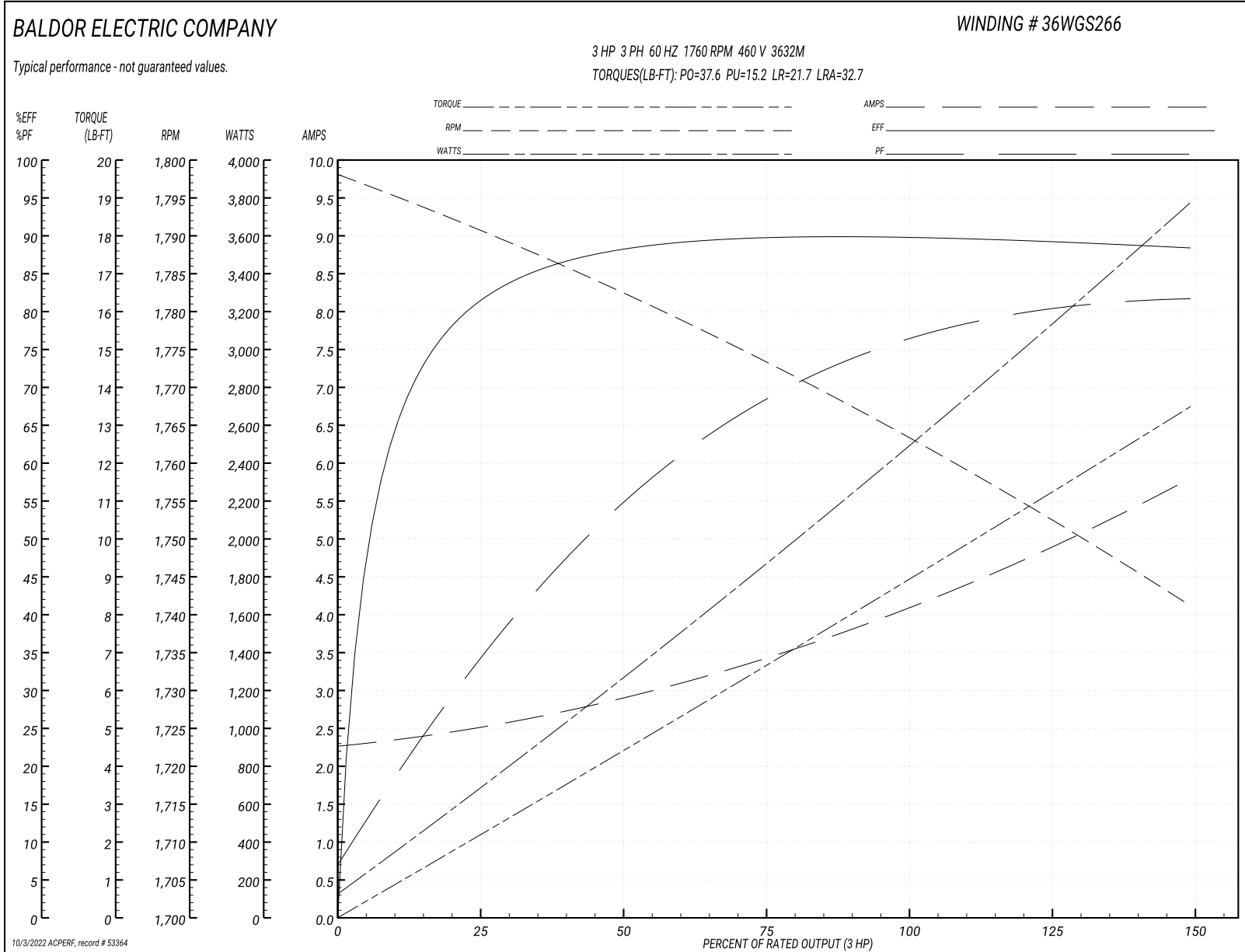
Typical performance - not guaranteed values

Winding: 36WGS266-R006			Type: 3632M	Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		3	Full Load Torque		8.8 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		8.4/4.2	Breakdown Torque		37.6 LB-FT		
R.P.M.		1760	Pull-up Torque		15.2 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		21.7 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		32.7 A
Service Factor (S.F.)		1.15	No-load Current		2.3 A		
NEMA Nom. Eff.		89.5	Power Factor	75	Line-line Res. @ 25°C		3.81 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		44°C
S.F. Amps					Temp. Rise @ S.F. Load		52°C
					Locked-rotor Power Factor		42.2
					Rotor inertia		0.298 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	68	75	80	82	77
Efficiency	81.1	87.8	89.6	89.8	89.7	88.2	89.2
Speed	1791	1783	1773	1764	1753	1741	1754
Line amperes	2.47	2.85	3.43	4.09	4.89	5.78	4.63

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



AC Induction Motor Performance Data

Record # 57957

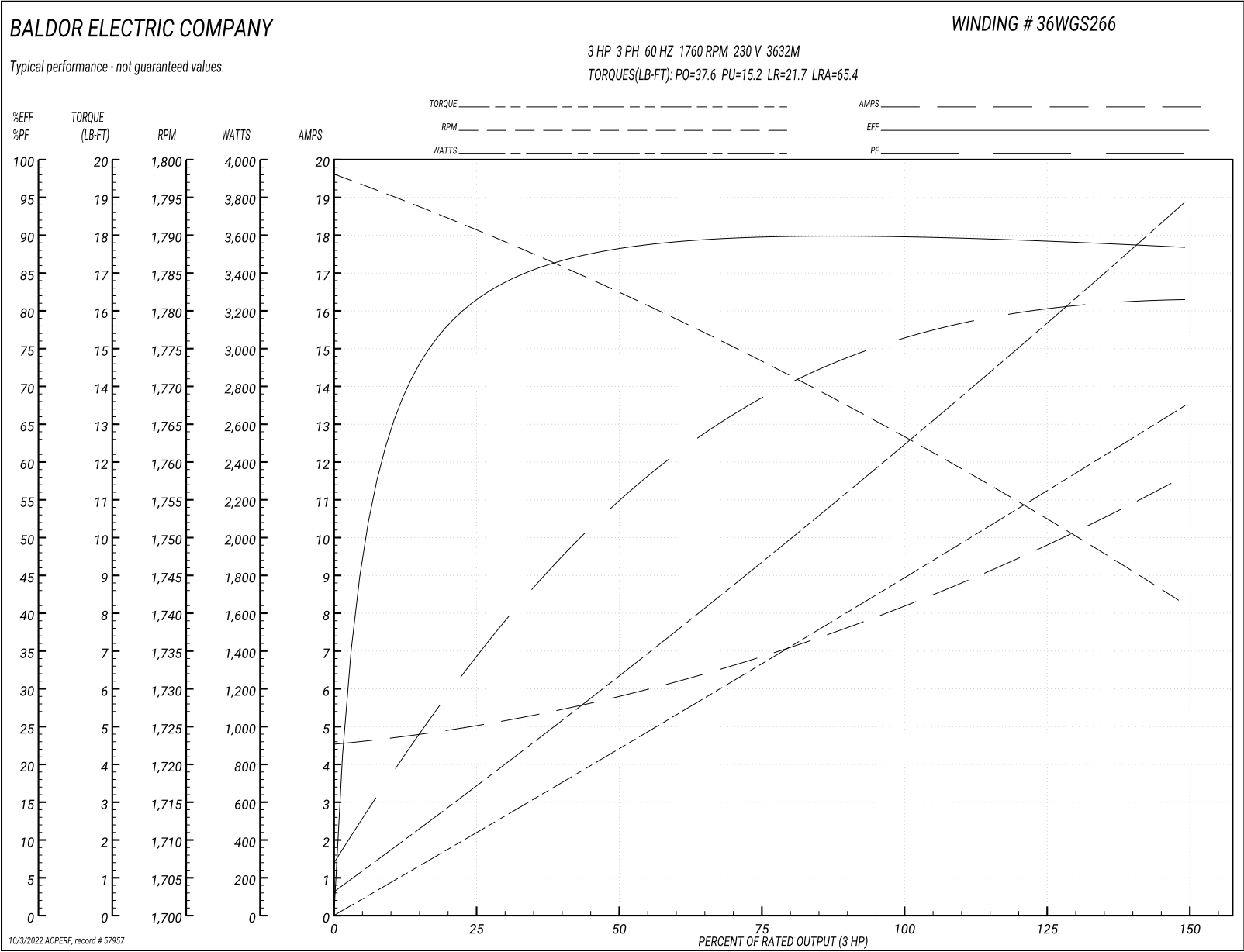
Typical performance - not guaranteed values

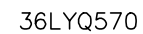
Winding: 36WGS266-R006			Type: 3632M	Enclosure: TEFC			
Nameplate Data			230 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		3	Full Load Torque		8.8 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		8.4/4.2	Breakdown Torque		37.6 LB-FT		
R.P.M.		1760	Pull-up Torque		15.2 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		21.7 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		65.4 A
Service Factor (S.F.)		1.15	No-load Current		4.6 A		
NEMA Nom. Eff.		89.5	Power Factor	75	Line-line Res. @ 25°C		0.953 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		44°C
S.F. Amps					Temp. Rise @ S.F. Load		52°C
					Locked-rotor Power Factor		42.2
					Rotor inertia		0.298 LB-FT2

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	68	75	80	82	78
Efficiency	81.1	87.8	89.6	89.8	89.7	88.2	89.7
Speed	1791	1783	1773	1764	1753	1741	1757
Line amperes	4.94	5.7	6.86	8.18	9.78	11.6	9.14

Performance Graph at 230V, 60Hz, 3.0HP Typical performance - Not guaranteed values





EV. DESC: NEW

REV. LTR: -

VERSION: 00

TDR: 000000942210

FILE: \AAA\00221\450

REVISÉ: 10:51:05 09/02/2015

BY: ENALEMO

MTL: —

BALDOR

HORZ 182-4T TEFC 36M SUPER-E W/EYEBOLT (624-646)

SH 1 of 1

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