



Product Information Packet

ECP3771T-4

10HP,3500RPM,3PH,60HZ,215T,0742M,TEFC,F1

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	07WGY826	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	07K374	Layout:	07LYK374	Poles:	02	Created Date:	11-29-2011
Base:	RG	Eff. Date:	01-05-2022	Leads:	3#14		

Specs			
Catalog Number:	ECP3771T-4	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	215T	Inverter Code:	Inverter Duty
Frame Material:	Iron	KVA Code:	H
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	10.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 14 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	CLI GP A,B,C,D	Motor Lead Termination:	Flying Leads
XP Division:	Division II	Motor Type:	0742M
Agency Approvals:	CSA EEV	Mounting Arrangement:	F1
	UR	Power Factor:	90
	CSA	Product Family:	Chemical Processing (Not DC)
	CCSA US	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
Constant Torque Speed Range:	6	Shaft Rotation:	Reversible
Current @ Voltage:	11.000 A @ 460.0 V	Shaft Slinger Indicator:	Shaft 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
Enclosure Modification:	Severe Duty Features	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
		XP Temp Code:	T3C

Nameplate NP3257E

CAT.NO.	ECP3771T-4									
SPEC.	07K374Y826G2									
HP	10	TE								
VOLTS	460									
AMP	11									
RPM	3500									
FRAME	215T					HZ	60			
SER.F.	1.15					CODE	H	DES	B	
RATING	40C AMB-CONT									
SN										
DE	6307					ODE	6307			
NEMA-NOM-EFF	92.4						PF	90		
G.MIN.EFF	91.0					CC	010A			
T. CODE	T3C					T=	160			

PH	3
CL	F

Nameplate NP3260E

SPEC.	07K374Y826G2		
D.E. BRG.	35BC03XP30X		
O.D.E. BRG.	35BC03XP30X		
GREASE	POLYREX EM		
RPM MAX	5400	MAX. KVAR	N/A
BLANK			
INV. TYPE	PWM		
T=	160		
C HP FR	60	C HP TO	90
CT HZ FROM	6	CT HZ TO	60
VT HZ FROM	3	VT HZ TO	60
HTR-VOLTS		HTR-AMPS	
HTR-WATTS			
		MAX. SPACE HEATER TEMP.	

AC Induction Motor Performance Data

Record # 47087

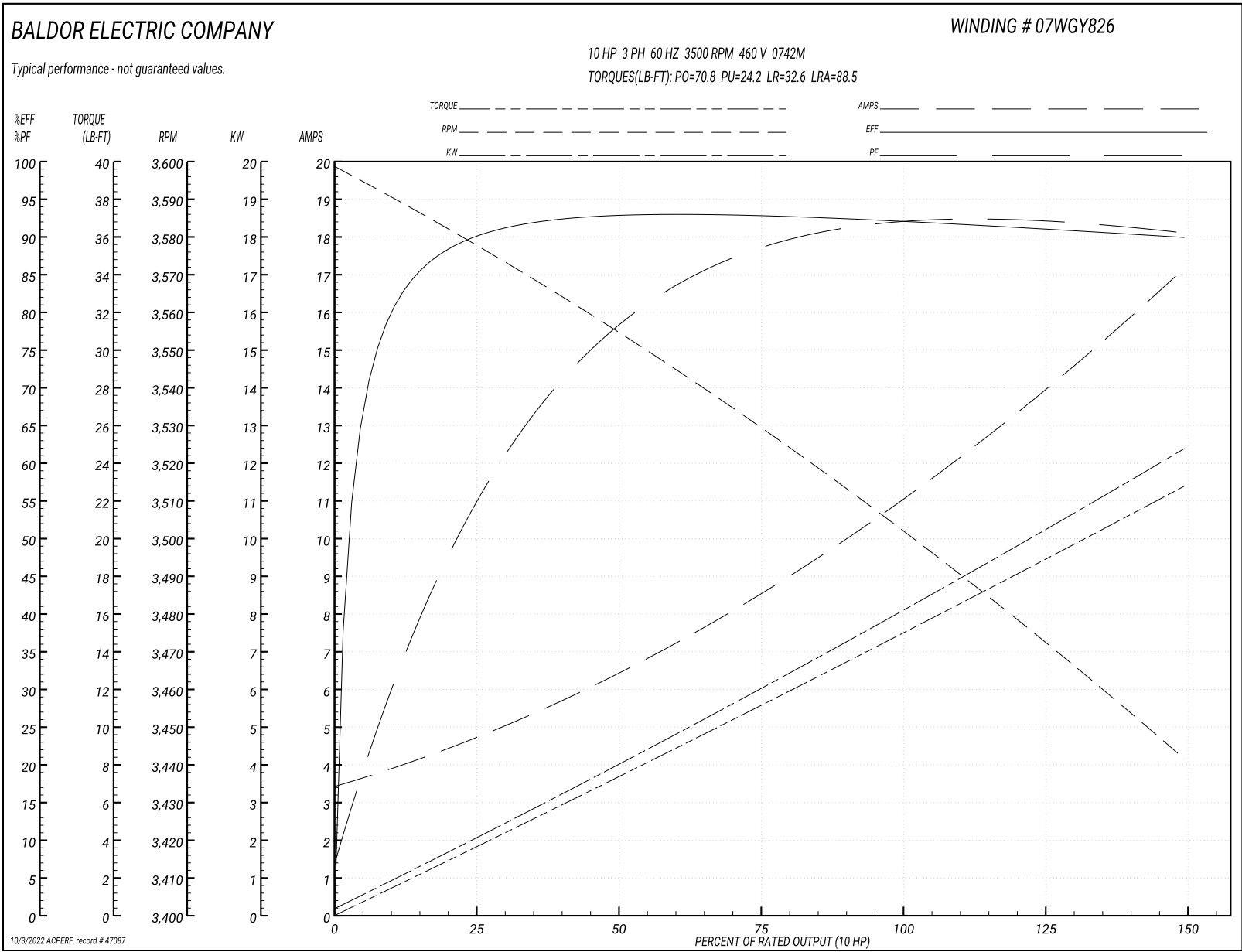
Typical performance - not guaranteed values

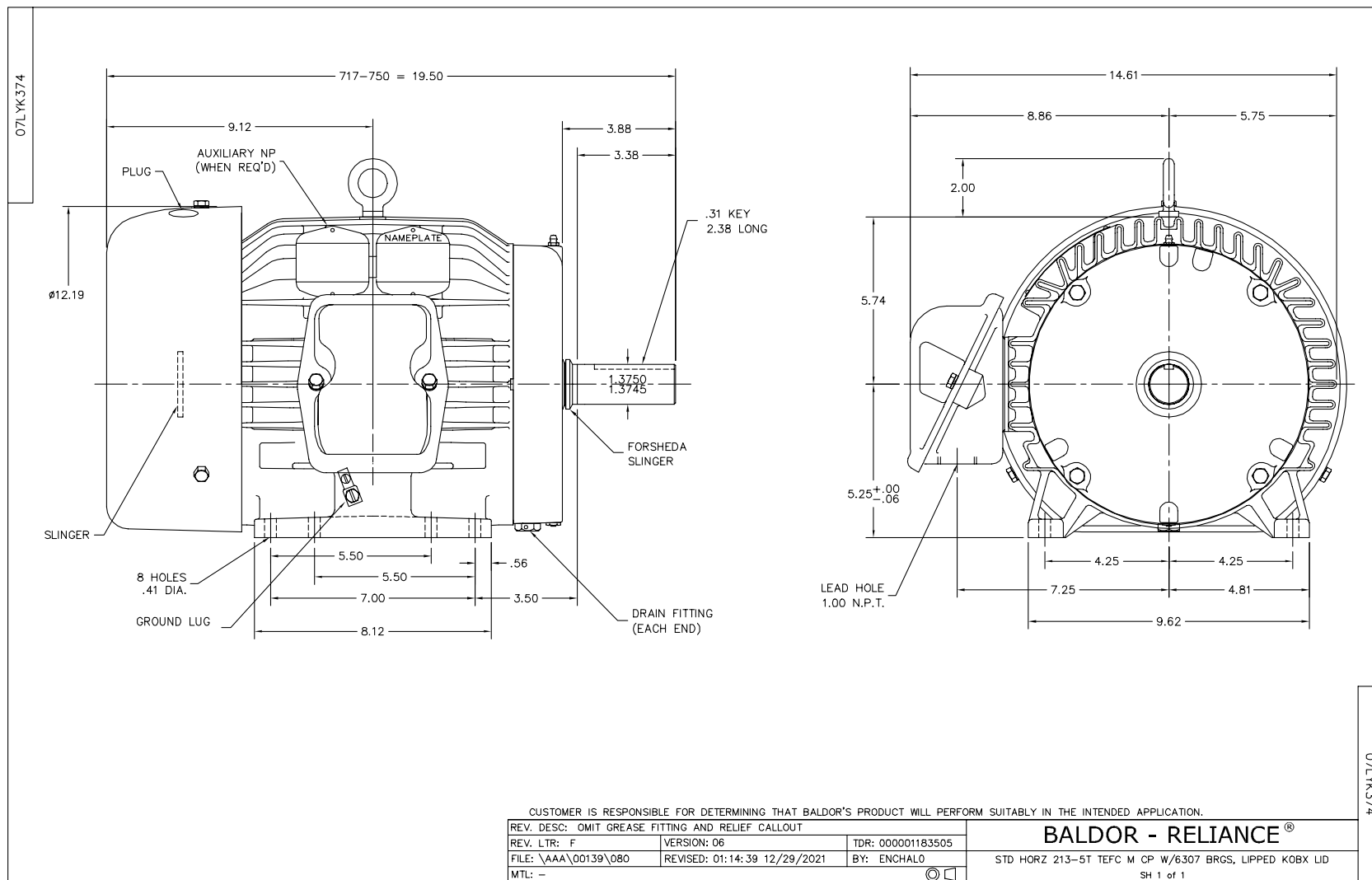
Winding: 07WGY826-R022				Type: 0742M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		10		Full Load Torque		14.9 LB-FT		
Volts		460		Start Configuration		direct on line		
Full Load Amps		11		Breakdown Torque		70.8 LB-FT		
R.P.M.		3500		Pull-up Torque		24.2 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		32.6 LB-FT		
NEMA Design Code		B		KVA Code	H		Starting Current	88.5 A
Service Factor (S.F.)		1.15		No-load Current		3.61 A		
NEMA Nom. Eff.		92.4	Power Factor	90		Line-line Res. @ 25°C		0.745 Ω
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load		40°C
S.F. Amps						Temp. Rise @ S.F. Load		50°C
						Locked-rotor Power Factor		30.1
						Rotor inertia		0.383 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	58	79	88	91	92	91	91
Efficiency	90	92.4	92.7	92.4	91.2	89.9	90.4
Speed	3578	3555	3529	3503	3474	3441	3515
Line amperes	4.43	6.32	8.64	11.1	13.9	17.1	13.1

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values





CD0006

TYPICAL WYE-CONNECTED MOTOR

1-BLU

3-ORG

2-WHT

J-BRN

J-BRN

OPTIONAL THERMOSTATS

TYPICAL DELTA-CONNECTED MOTOR

1-BLU

2-WHT

3-ORG

J-BRN

J-BRN

OPTIONAL THERMOSTATS

1

2

3

LINE

NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.

2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.

3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.

4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.

5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

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BY: ENBRIRO

MTL: -

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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