



Customer information packet

L3705

3HP, 1725RPM, 1PH, 60HZ, 215, 3735LC, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	3.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	30.000 A @ 115.0 V 15.000 A @ 208.0 V 14.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	AN
Type	AC
Mech. spec.	37C011
Base	
Status	PRD/A
Elec. spec.	37WGX229
Layout	37LYC011
Eff. date	05-10-2024
CD Diagram	CD0076
Poles	04
Leads	8#14
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	14.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	8 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3735LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.51 IN
Power Factor	90
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L									
CAT.NO.	L3705								
SPEC.	37C11X229								
HP	3								
VOLTS	115/230								
AMP	30/14								
RPM	1725								
FRAME	215		HZ	60		PH	1		
SER.F.	1.15	CODE	K	DES	L	CLASS	F		
NEMA-NOM-EFF	80	PF	90						
RATING	40C AMB-CONT								
CC									
DE	6307		ODE	6206					
ENCL	TEFC	SN							

Accessories

Part number	Description	Multiplier
37-3301	C FACE KIT	P1

AC Induction Motor Performance Data

Record # 61379

Typical performance - not guaranteed values

Winding: 37WGX229-R005			Type: 3735LC		Enclosure: TEFC		
Nameplate Data				230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		3		Full Load Torque		9.1 LB-FT	
Volts		115/230		Start Configuration		direct on line	
Full Load Amps		30/14		Breakdown Torque		24 LB-FT	
R.P.M.		1725		Pull-up Torque		20 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		45 LB-FT	
NEMA Design Code		L	KVA Code	K	Starting Current		110 A
Service Factor (S.F.)		1.15		No-load Current		5 A	
NEMA Nom. Eff.		80	Power Factor	90	Line-line Res. @ 25°C		0.581 Ω A Ph 2.08 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		56°C	
S.F. Amps				Temp. Rise @ S.F. Load		74°C	

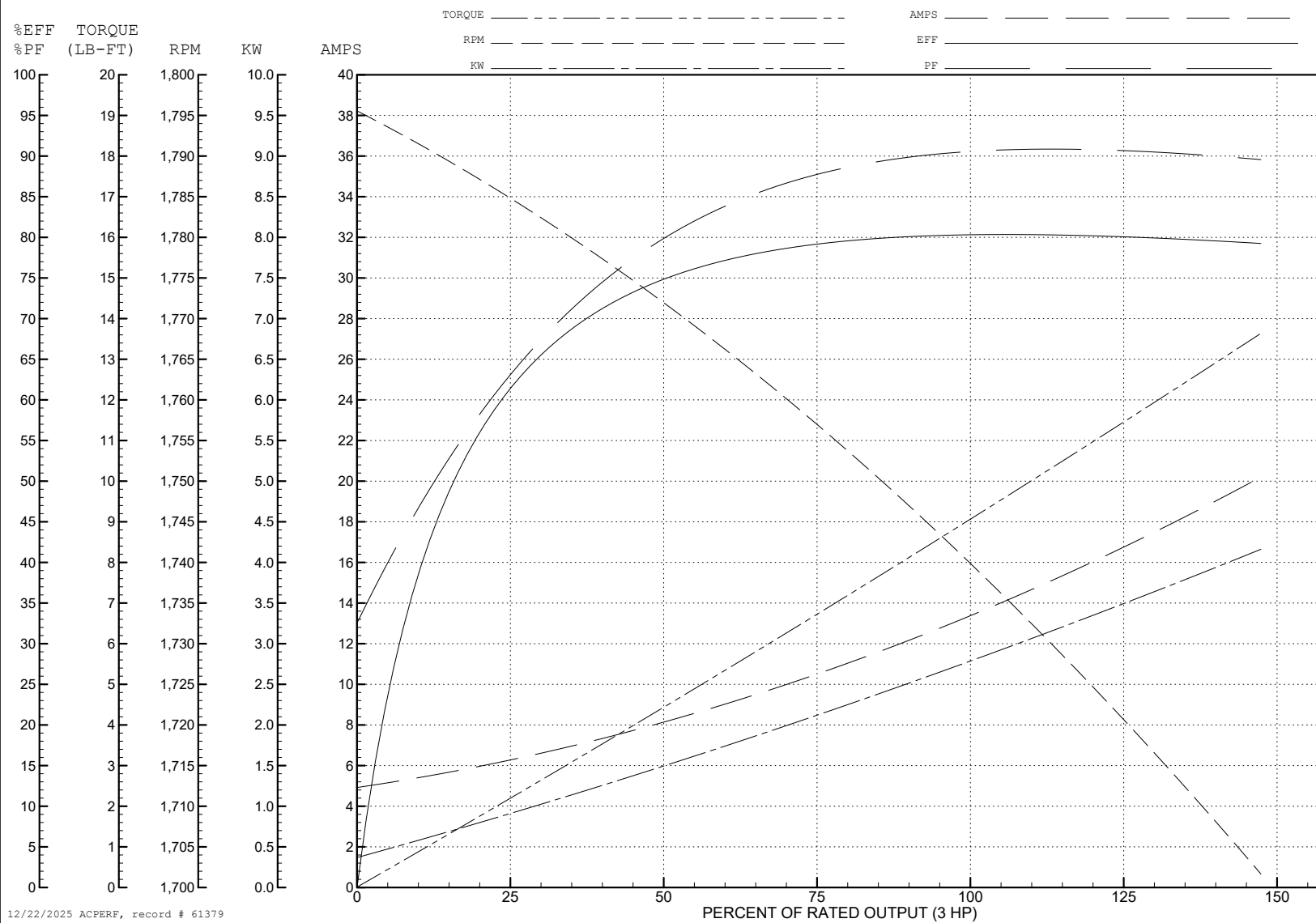
Load Characteristics 230 V, 60 Hz, 3 HP

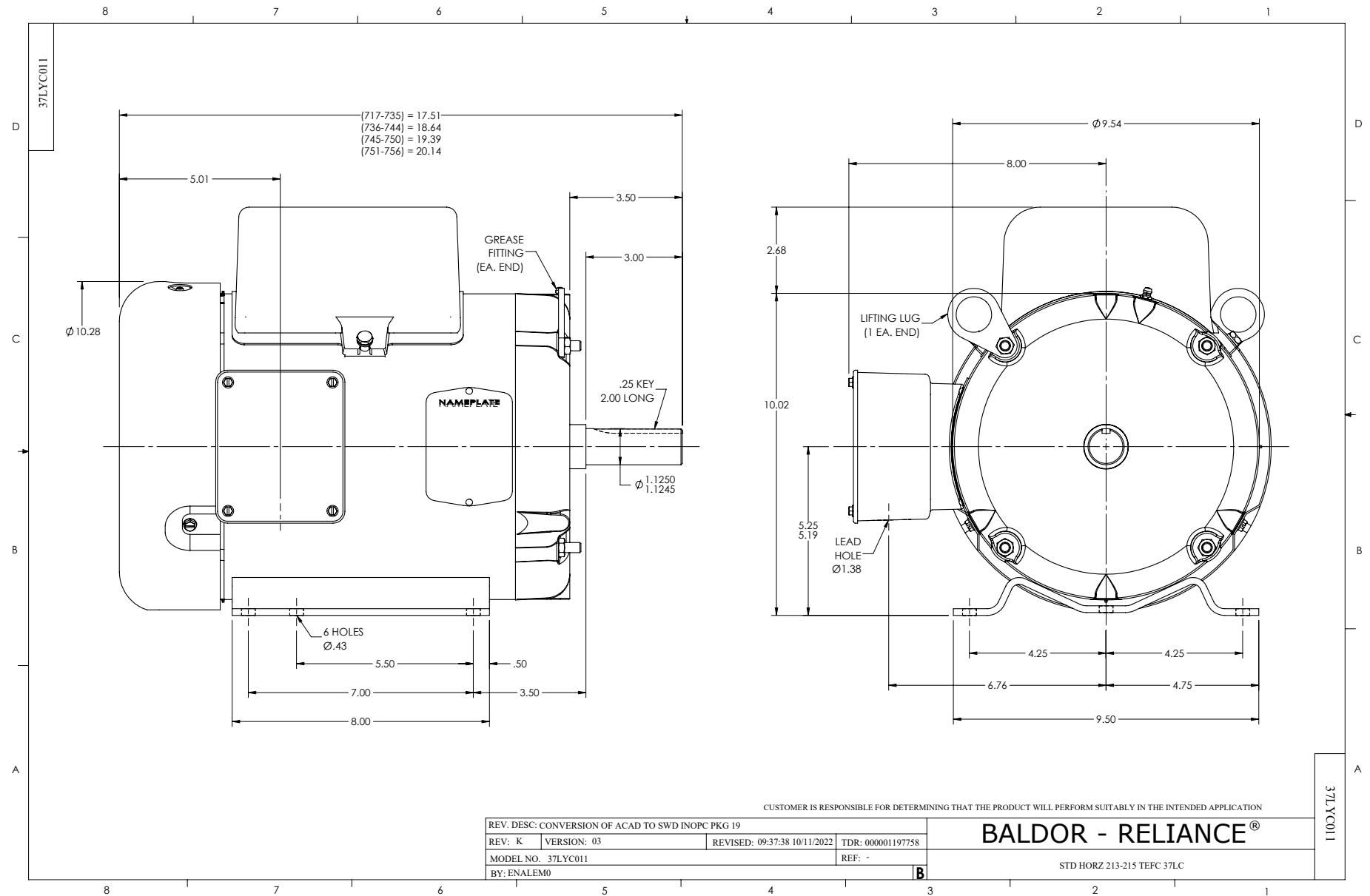
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	64	80	86	90	91	92	91
Efficiency	61.3	74.6	79.2	80.7	80.4	79	80.5
Speed	1784	1771	1756	1740	1722	1701	1729
Line amperes	6.2	8.2	10.7	13.5	16.6	20.2	15.4

ABB Motors and Mechanical Inc.

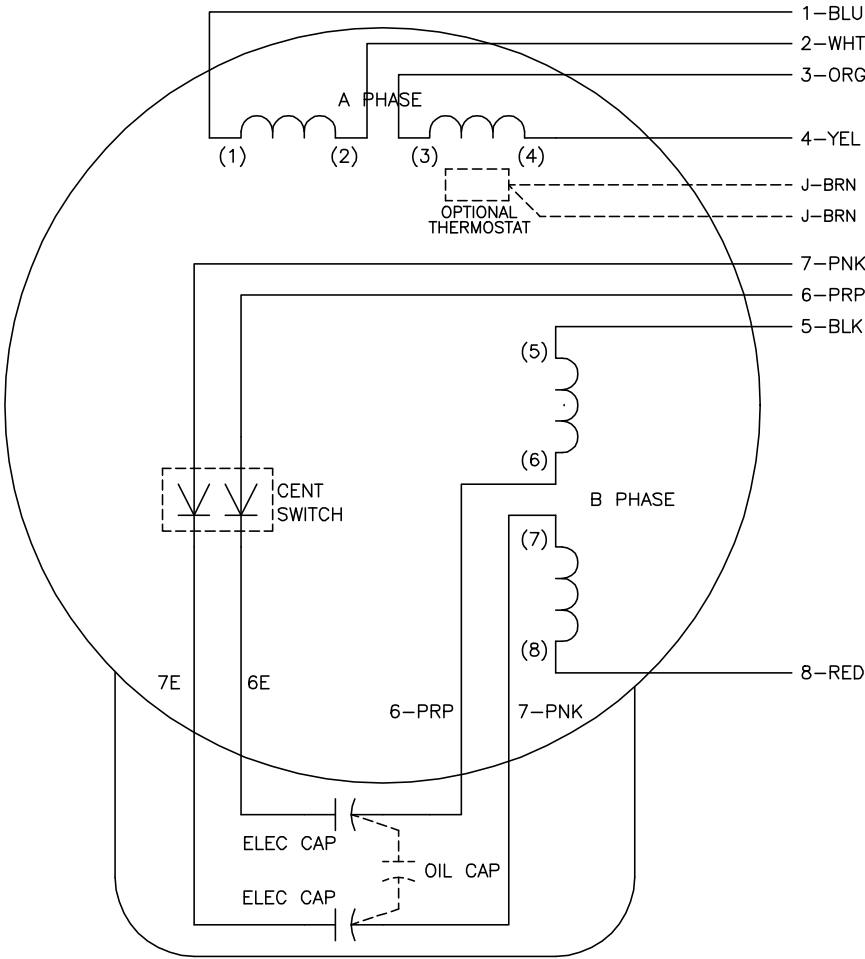
WINDING # 37WGX229

Typical performance - not guaranteed values.

3 HP 1 PH 60 HZ 1725 RPM 230 V 3735LC
TORQUES (LB-FT) : PO=24 PU=20 LR=45 LRA=110



CD0076



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4,5	2,3	6,7
HIGH OPP	1,5	4,8	2,3	6,7
LOW STD	1,3,6,8	2,4,5,7	—	—
LOW OPP	1,3,5,7	2,4,6,8	—	—

- NOTES:
- 1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 - 2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
 - 3. OPTIONAL OIL CAP(S) ARE PROVIDED WHEN SPECIFIED. MULTIPLE OIL CAPS ARE CONNECTED IN PARALLEL.
 - 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADD OPTIONAL COLORS		
REV. LTR: E	VERSION: 01	TDR: 000000372126
9/0000	FILE: \AAA\00007\419	REVISED: 15:44:39 09/28/2005
	MTL: —	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L OR LC, DV, REV, SERIES/PAR B PH, 8 LEAD

CD0076