

BALDOR® • RELIANCE 

Product Information Packet

M3325

3HP,1770RPM,3PH,60HZ,225,3717M,OPEN,F1,N

Part Detail							
Revision:	J	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGR405	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37E031	Layout:	37LYE031	Poles:	04	Created Date:	10-05-2012
Base:	RG	Eff. Date:	03-10-2017	Leads:	9#14		

Specs			
Catalog Number:	M3325	Insulation Class:	B
Enclosure:	ODP	Inverter Code:	Not Inverter
Frame:	225	KVA Code:	L
Frame Material:	Steel	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 @ 14 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	208.0 V @ 60 HZ	Motor Type:	3717M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	60
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	RG	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	10.600 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding

	11.400 A @ 230.0 V	Shaft Rotation:	Reversible
	5.700 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	A	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:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1256L										
CAT.NO.										
SPEC.	37E031R405G1									
HP	3									
VOLTS	208-230/460									
AMP	10.6-11.4/5.7									
RPM	1770									
FRAME	225				HZ	60			PH	3
SER.F.	1.15		CODE	L	DES	A		CLASS	B	
NEMA-NOM-EFF	82.5		PF	60						
RATING	40C AMB-CONT									
CC									USABLE AT 208V	
DE	6307				ODE	6206				
ENCL	OPEN		SN							

AC Induction Motor Performance Data

Record # 40657

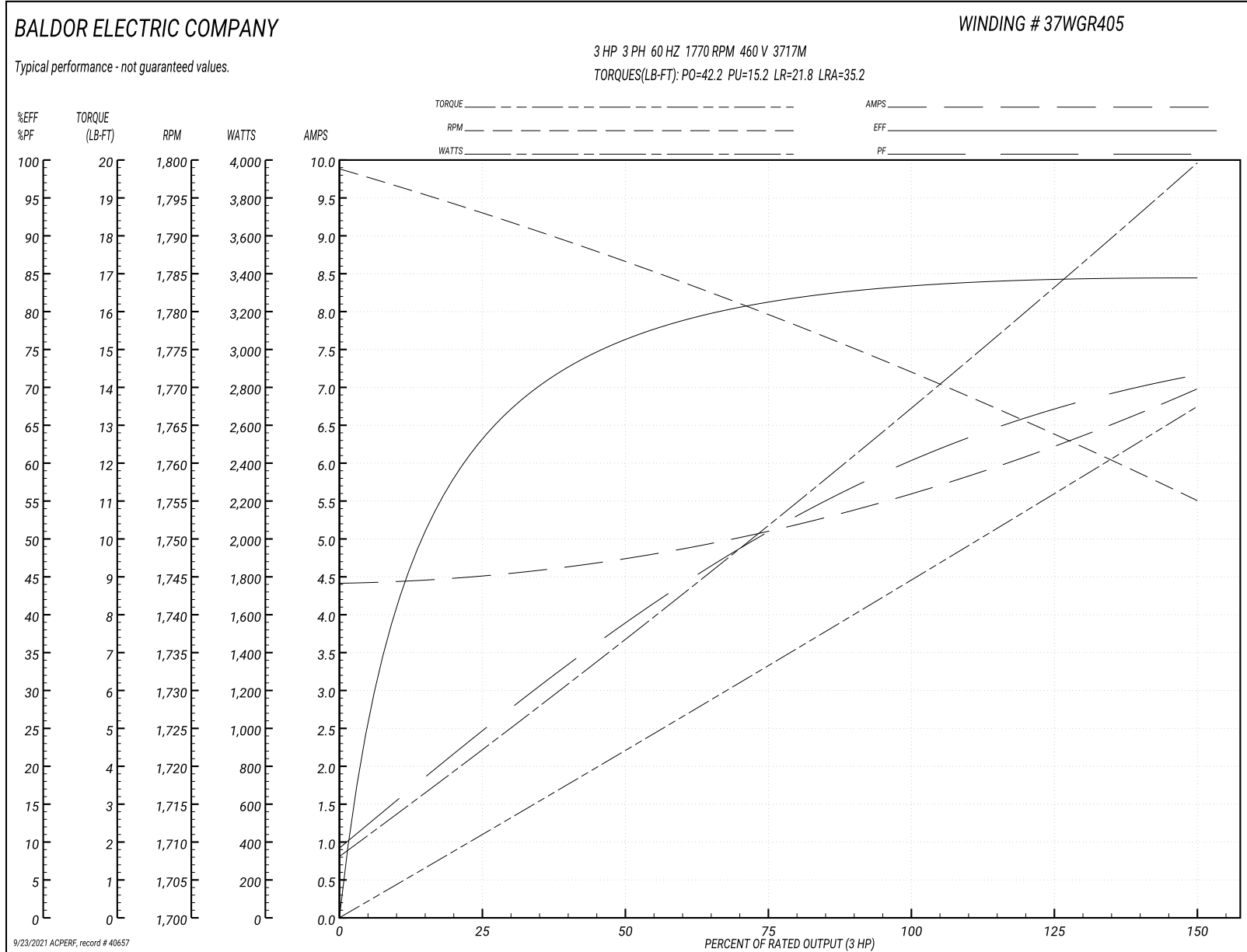
Typical performance - not guaranteed values

Winding: 37WGR405-R001		Type: 3717M		Enclosure: OPEN	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	3	Full Load Torque	8.92 LB-FT		
Volts	208-230/460	Start Configuration	direct on line		
Full Load Amps	10.6-11.4/5.7	Breakdown Torque	42.2 LB-FT		
R.P.M.	1770	Pull-up Torque	15.2 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	21.8 LB-FT	
NEMA Design Code	A	KVA Code	L	Starting Current	35.2 A
Service Factor (S.F.)	1.15		No-load Current	4.44 A	
NEMA Nom. Eff.	82.5	Power Factor	60	Line-line Res. @ 25°C	4.1718 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	24°C	
S.F. Amps			Temp. Rise @ S.F. Load	27°C	
			Locked-rotor Power Factor	53	
			Rotor inertia	0.418 LB-FT ²	

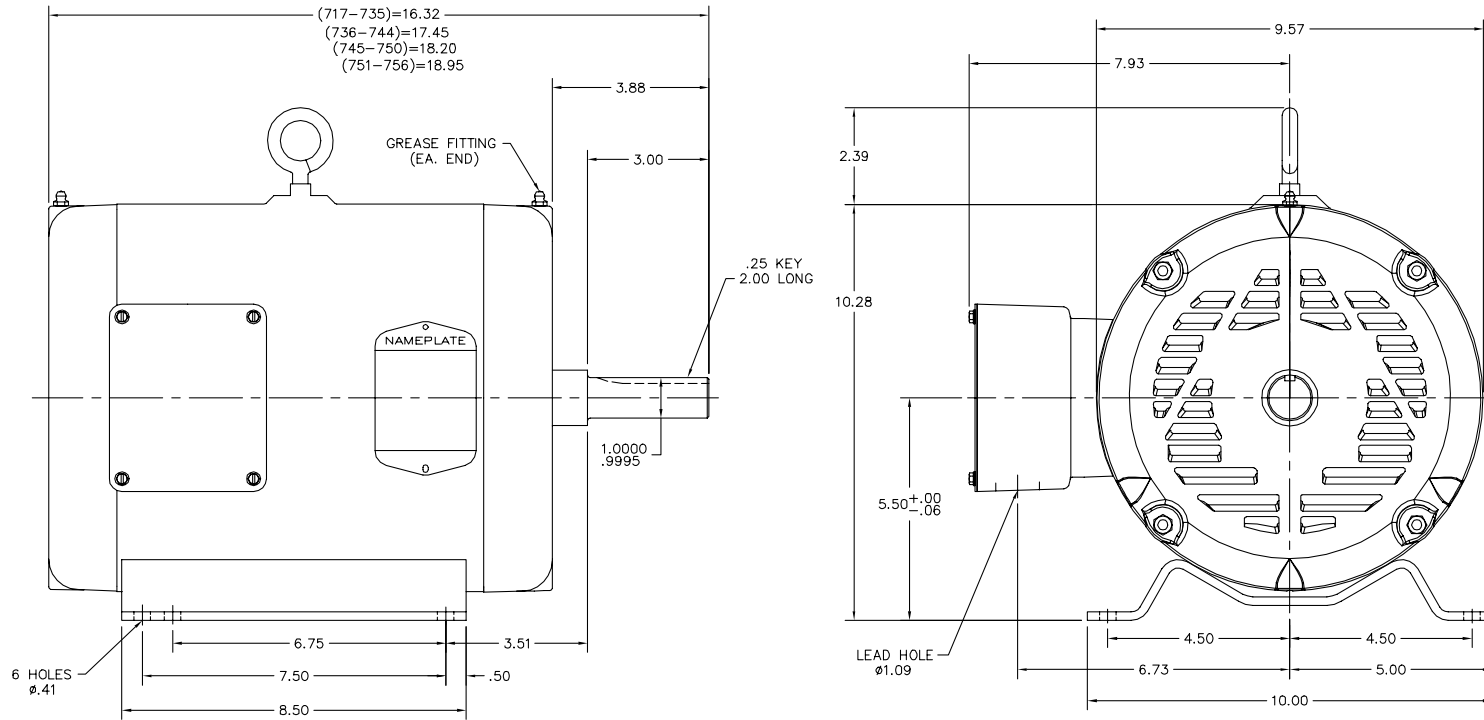
Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	25	39	51	60	67	72	64
Efficiency	63.2	76.2	81.2	83.4	84.3	84.4	83.9
Speed	1793.1	1786.3	1779.5	1772.3	1763.9	1754.9	1767
Line amperes	4.48	4.72	5.11	5.63	6.22	6.97	5.98

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



37LYE031



37LYE031

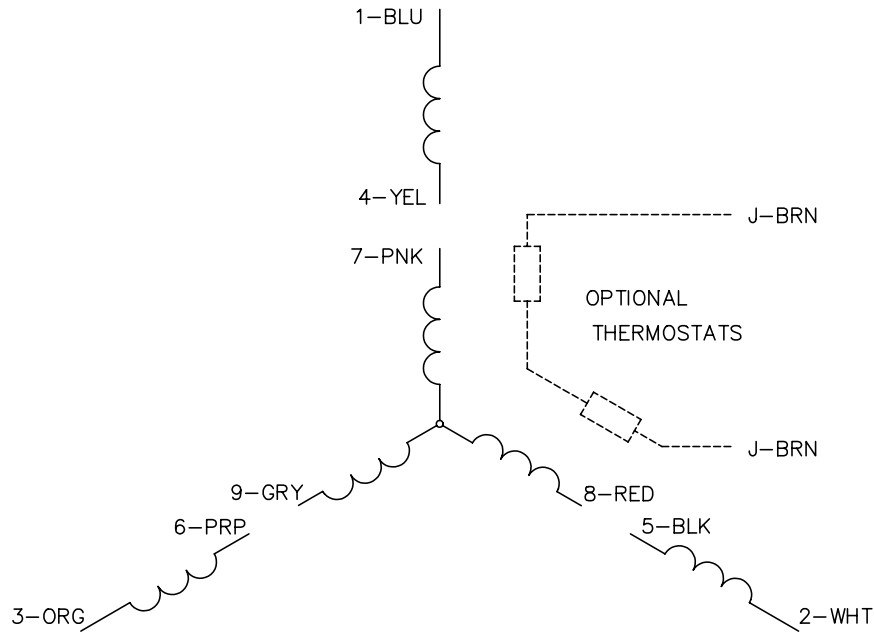
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: REPLACE ENDPLATES		
REV. LTR: E	VERSION: 01	TDR: 000001018975
FILE: \AAA\00007\638	REVISED: 09:31:18 03/07/2017	BY: USZAHAR
MTL: -		

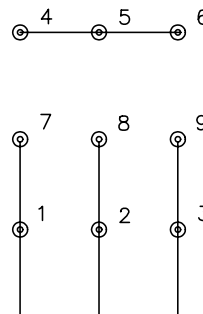
BALDOR

STD HORZ NEMA 224-225 OPEN 37M
SH 1 of 1

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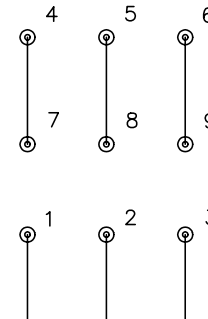


LOW VOLTAGE
(2Y)



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
90000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005