

BALDOR® • RELIANCE

Product Information Packet

EMM3714

7.5KW,1770RPM,3PH,60HZ,D132M,3752M,TEFC

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGS518	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37E617	Layout:	37LYE617	Poles:	04	Created Date:	04-26-2010
Base:	RG	Eff. Date:	10-24-2017	Leads:	9#14		

Specs			
Catalog Number:	EMM3714	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	D132M	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	K
Output @ Frequency:	7.500 KW @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3752M
Agency Approvals:	CSA	Mounting Arrangement:	B3
	UR	Power Factor:	85
Auxillary Box:	No Auxillary Box	Product Family:	General Purpose
Auxillary Box Lead Termination:	None	Pulley End Bearing Type:	Ball
Base Indicator:	Rigid	Pulley Face Code:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Shaft Indicator:	Tapped & Key
Blower:	None	Rodent Screen:	None
Current @ Voltage:	12.000 A @ 460.0 V	Shaft Extension Location:	Pulley End

	24.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	25.400 A @ 208.0 V	Shaft Rotation:	Reversible
Design Code:	A	Shaft Slinger Indicator:	Shaft Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	IEC
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Frame Prefix:	D	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1159L

CAT.NO.	EMM3714										
SPEC.	37E617S518G1										
IEC FRAME	D132M					KW		7.5			
VOLTS	230/460										
AMP	24/12										
RPM	1770					ENCL		TEFC			
HZ	60					PH		3		CL	
SER.F.	1.15					DES		A		CODE	
NEMA-NOM-EFF	91.7					I.P.		54			
RATING	40C AMB-CONT										
CC	010A					USABLE AT 208V		25.4			
DE	6208					ODE		6206			
SER. #											
	10 HP										

AC Induction Motor Performance Data

Record # 57408 - Typical performance - not guaranteed values

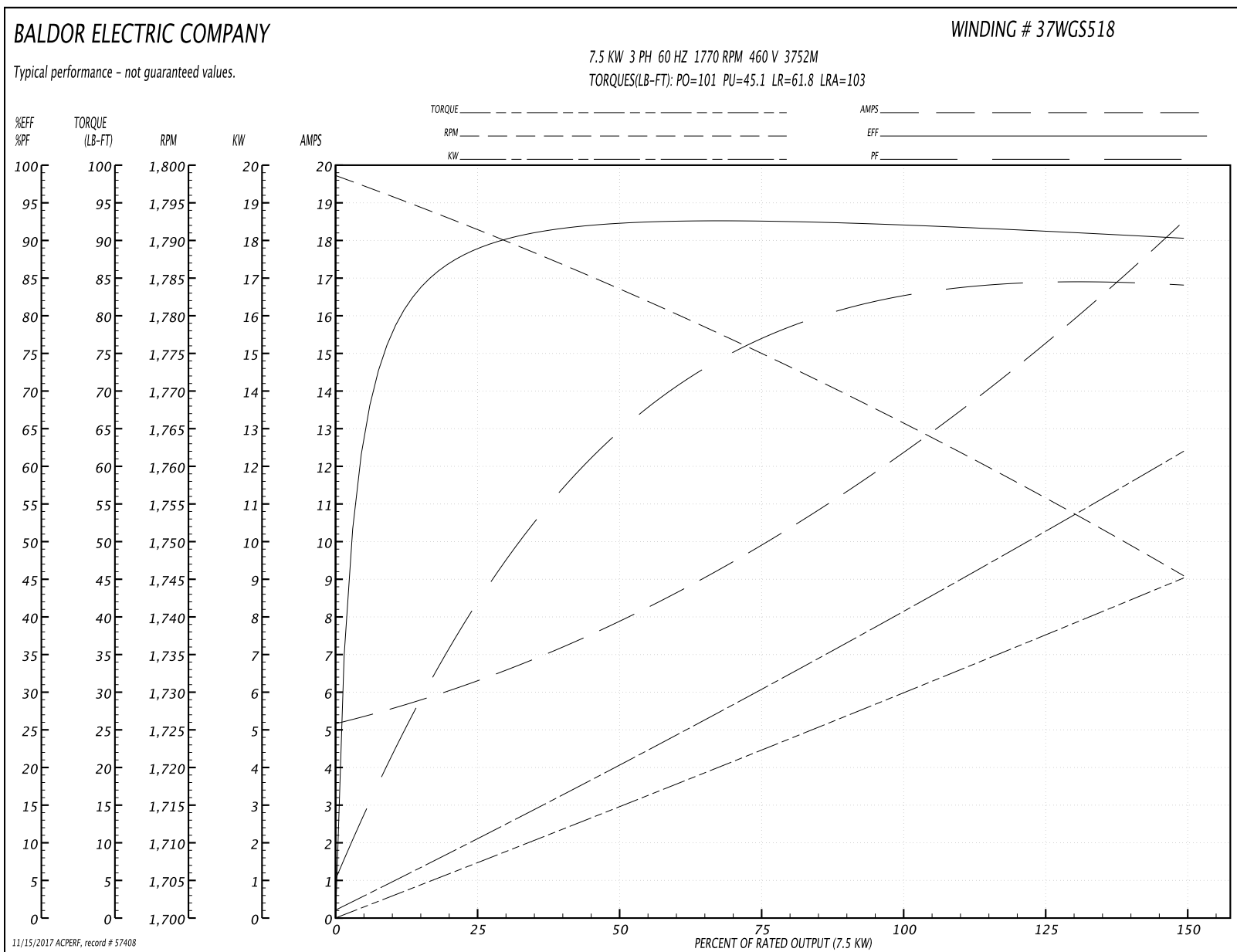
Winding: 37WGS518-R079	Type: 3752M	Enclosure: TEFC
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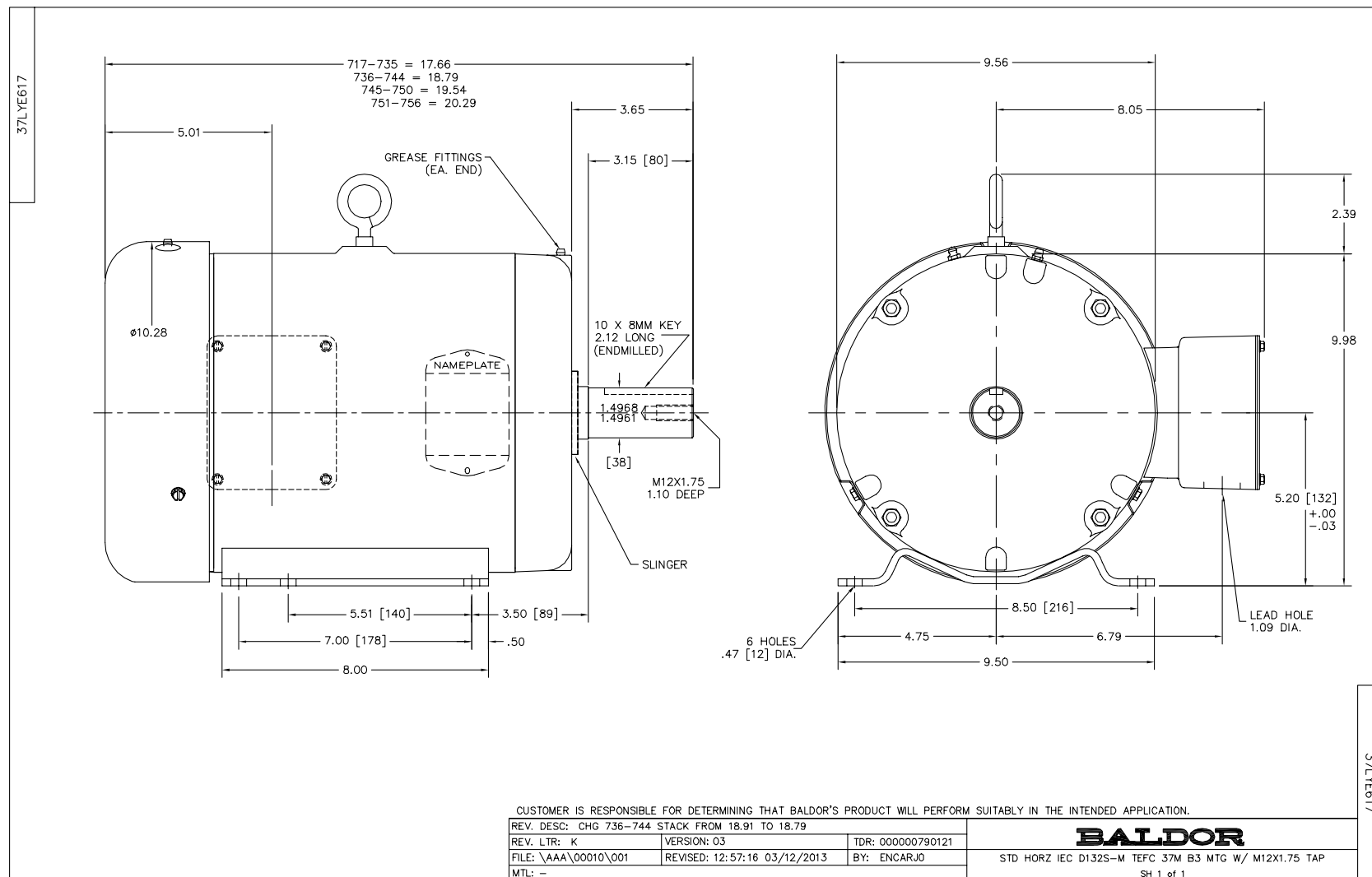
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (KW)	7.5			Full Load Torque	30 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	24/12			Breakdown Torque	101 LB-FT
R.P.M.	1770			Pull-up Torque	45.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	61.8 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	103 A
Service Factor (S.F.)	1.15			No-load Current	5.36 A
NEMA Nom. Eff.	91.7	Power Factor	85	Line-line Res. @ 25°C	0.912 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	68°C
S.F. Amps				Temp. Rise @ S.F. Load	84°C
				Locked-rotor Power Factor	35.2
				Rotor inertia	1.28 LB-FT ²

Load Characteristics 460 V, 60 Hz, 7.5 KW

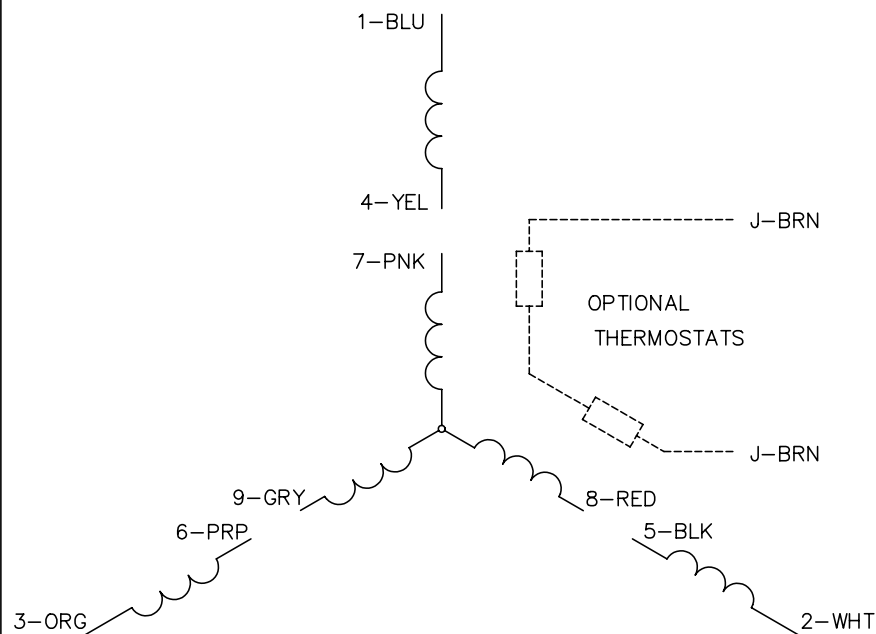
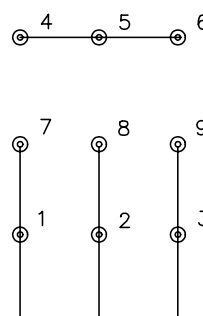
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	66	77	81	84	85	83
Efficiency	89.1	92.1	92.6	92.2	91.4	90.3	91.7
Speed	1791	1783	1775	1766	1756	1745	1760
Line amperes	6.08	7.74	10	12.6	15.4	18.4	14.3

Performance Graph at 460V, 60Hz, 7.5KW Typical performance - Not guaranteed values

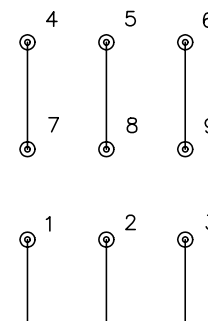




CD0005

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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005