

BALDOR® • RELIANCE

Product Information Packet

UCME7510

7.5-10 AIR OVERHP,3450RPM,3PH,60HZ,184TZ

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGW514	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36Q213	Layout:	36LYQ213	Poles:	02	Created Date:	03-06-2014
Base:	RG	Eff. Date:	08-23-2016	Leads:	9#16 SEE NOTES	Y	

Specs			
Catalog Number:	UCME7510	Insulation Class:	F
Enclosure:	TEAO	Inverter Code:	Not Inverter
Frame:	184TZ	KVA Code:	G
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	7.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
	10.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Pipe Or Pipe Adaptor
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3640M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	94
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Product Type:	FARM DUTY
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Tapped & Key
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT

Current @ Voltage:	11.500 A @ 460.0 V	Shaft Extension Location:	Pulley End
	23.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	23.500 A @ 208.0 V	Shaft Rotation:	Reversible
Design Code:	B	Shaft Slinger Indicator:	Shaft Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	Normally Closed Thermostat
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1279L

CAT.NO.	UCME7510									
SPEC.	36Q213W514G2									
HP	7.5-10 AIR OVER									
VOLTS	230/460									
AMP	23/11.5									
RPM	3450									
FRAME	184TZ				HZ	60		PH	3	
SER.F.	1.00				CODE	G		DES	B	
NEMA-NOM-EFF	86.5				PF	94		CL	F	
RATING	40C AMB-CONT									
CC					USABLE AT 208V					23.5
DE	6206				ODE	6205				
ENCL	TEAO				SN					

Nameplate NP1263L

CAT.NO.	UCME7510											
SPEC.	36Q213W514G2											
HP	7.5-10 AIR OVER											
VOLTS	230/460											
AMP	23/11.5											
RPM	3450											
FRAME	184TZ				HZ			60		PH		3
SER.F.	1.00		CODE		G	DES		B	CL		F	
NEMA-NOM-EFF	86.5		PF		94							
RATING	40C AMB-CONT											
CC			USABLE AT 208V								23.5	
DE	6206			ODE		6205						
ENCL	TEAO		SN									

AC Induction Motor Performance Data

Record # 20860 - Typical performance - not guaranteed values

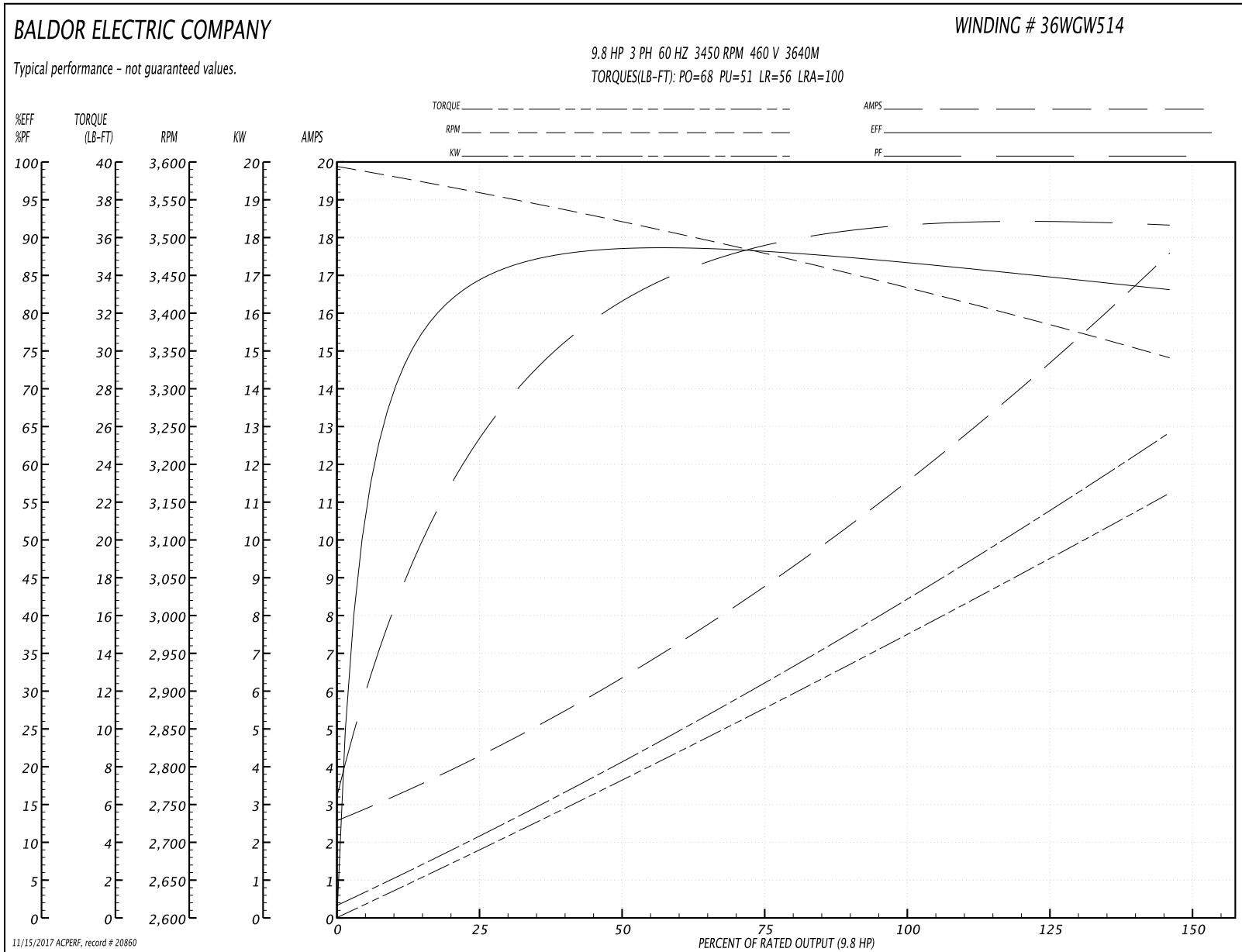
Winding: 36WGW514-R002	Type: 3640M	Enclosure: TEAO
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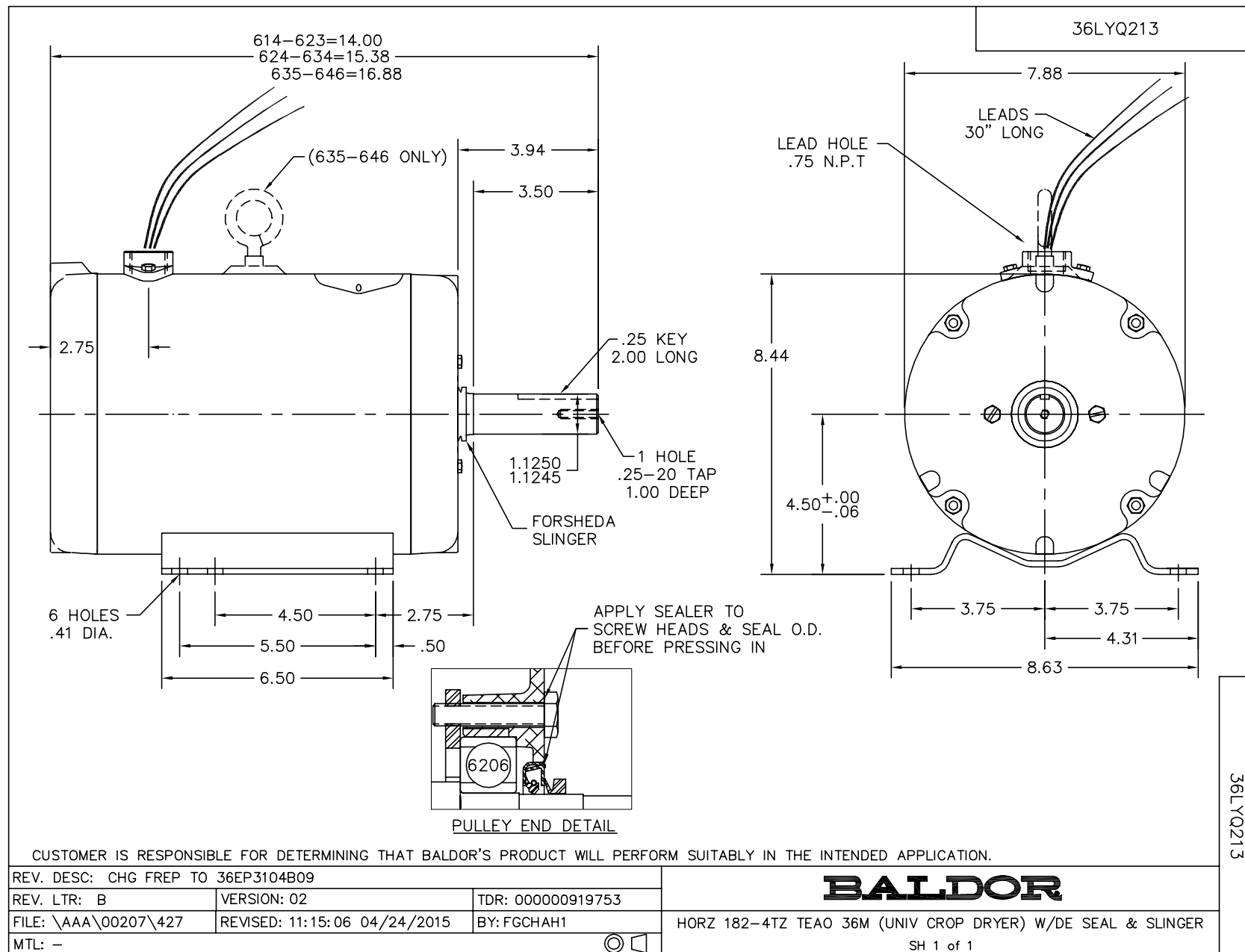
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5-10 AIR OVER			Full Load Torque	15 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	23/11.5			Breakdown Torque	68 LB-FT
R.P.M.	3450			Pull-up Torque	51 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	56 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	100 A
Service Factor (S.F.)	1			No-load Current	2.7 A
NEMA Nom. Eff.	86.5	Power Factor	94	Line-line Res. @ 25°C	1.32 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	72°C

Load Characteristics 460 V, 60 Hz, 9.8 HP

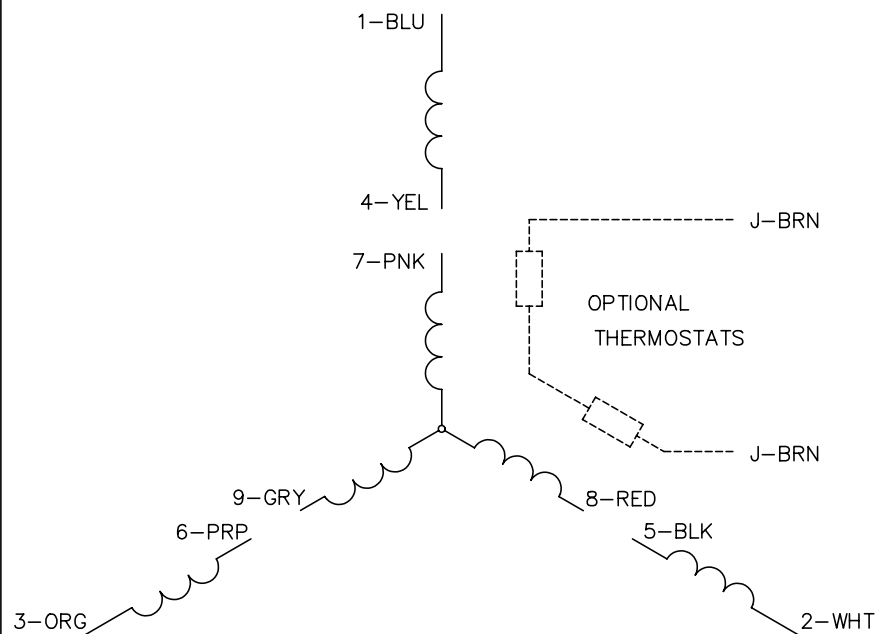
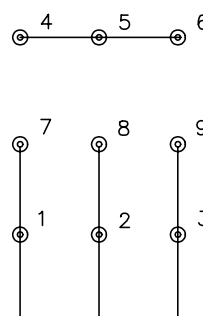
% of Rated Load	25	50	75	100	125	150
Power Factor	76	89	93	95	95	94
Efficiency	85	88	88	87	85	83
Speed	3557	3518	3478	3434	3389	3340
Line amperes	4.1	6.5	9	11.6	14.4	17.6

Performance Graph at 460V, 60Hz, 9.8HP Typical performance - Not guaranteed values

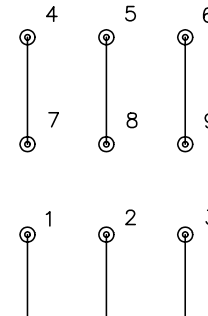




CD0005


 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