

**BALDOR® • RELIANCE** 

**Product Information Packet**

**UCME759**

**7.5-9.2 AIR OVERHP,3450RPM,3PH,60HZ,184T**

Part Detail							
Revision:	K	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:	10-22-2019	Leads:	9#16 30" long		Y

Specs			
Catalog Number:	UCME759	Heater Indicator:	No Heater
Enclosure:	TEAO	Insulation Class:	F
Frame:	184TZ	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	M
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	7.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
	9.200 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:	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3640M
	208.0 V @ 60 HZ	Mounting Arrangement:	F1
XP Class and Group:	None	Power Factor:	90
XP Division:	Not Applicable	Product Family:	General Purpose
Agency Approvals:	CSA	Product Type:	FARM DUTY
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Tapped & Key
Base Indicator:	Rigid	Rodent Screen:	None

<b>Bearing Grease Type:</b>	Polyrex EM (-20F +300F)	<b>RoHS Status:</b>	ROHS COMPLIANT
<b>Blower:</b>	None	<b>Shaft Extension Location:</b>	Pulley End
<b>Current @ Voltage:</b>	8.500 A @ 460.0 V	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
	18.800 A @ 208.0 V	<b>Shaft Rotation:</b>	Reversible
	17.000 A @ 230.0 V	<b>Shaft Slinger Indicator:</b>	Shaft Slinger
<b>Design Code:</b>	B	<b>Speed Code:</b>	Single Speed
<b>Drip Cover:</b>	No Drip Cover	<b>Motor Standards:</b>	NEMA
<b>Duty Rating:</b>	CONT	<b>Starting Method:</b>	Direct on line
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Thermal Device - Bearing:</b>	None
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Winding:</b>	Normally Closed Thermostat
<b>Front Face Code:</b>	Standard	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Front Shaft Indicator:</b>	None	<b>Winding Thermal 1:</b>	None
		<b>Winding Thermal 2:</b>	None

<b>Nameplate NP1279L</b>										
<b>CAT.NO.</b>	UCME759									
<b>SPEC.</b>	36Q213W514G1									
<b>HP</b>	7.5-9.2 AIR OVER									
<b>VOLTS</b>	208-230/460									
<b>AMP</b>	18.8-17/8.5									
<b>RPM</b>	3450									
<b>FRAME</b>	184TZ			<b>HZ</b>	60			<b>PH</b>	3	
<b>SER.F.</b>	1.00			<b>CODE</b>	M		<b>DES</b>	B	<b>CL</b>	F
<b>NEMA-NOM-EFF</b>	89.5			<b>PF</b>	90					
<b>RATING</b>	40C AMB-CONT									
<b>CC</b>							<b>USABLE AT 208V</b>	18.8		
<b>DE</b>	6206			<b>ODE</b>	6205					
<b>ENCL</b>	TEAO			<b>SN</b>						

<b>Nameplate NP3114L</b>											
<b>CAT.NO.</b>	UCME759										
<b>SPEC.</b>	36Q213W514G1										
<b>HP</b>	7.5-9.2 AIR OVER										
<b>VOLTS</b>	208-230/460										
<b>AMP</b>	18.8-17/8.5										
<b>RPM</b>	3450										
<b>FRAME</b>	184TZ			<b>HZ</b>	60		<b>PH</b>	3			
<b>SER.F.</b>	1.00			<b>CODE</b>	M		<b>DES</b>	B		<b>CL</b>	F
<b>NEMA-NOM-EFF</b>	89.5			<b>PF</b>	90						
<b>RATING</b>	40C AMB-CONT										
<b>CC</b>							<b>USABLE AT 208V</b>	18.8			
<b>DE</b>	6206			<b>ODE</b>	6205						
<b>ENCL</b>	TEAO			<b>SN</b>							

Parts List		
Part Number	Description	Quantity
SA277501	SA 36Q213W514G1	1.000 EA
RA264050	RA 36Q213W514G1	1.000 EA
HA6021A01SP	ADAPTOR, MACH	1.000 EA
36GS5000	GASKET CONDUIT ADAPTOR	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 EA
36EP3104A46	FREP TENV 36L/M 205 BRG NO GRSR, W/GND	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3100B94	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4600B50	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 EA
10XN2520A20	1/4-20X 1 1/4 HEX HD X	2.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X .24 VITON	1.000 EA
HW2501E18	KEY, 1/4 SQ X 2.000	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.010 QT
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
MG1025C02	WILKOFASST SG, 787.105, TAN	0.022 GA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LD5000A642	LEAD ASSY, ML1400DF14 W/#10 RING 36"	1.000 EA
HA3101A28	THRUBOLT 1/4-20 X 12.500 OHIO ROD	4.000 EA
LB1119N	WARNING LABEL	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
LC0145B01	CONNECTION LABEL	1.000 EA
NP1279L	ALUM FARM DUTY UL CSA CC	1.000 EA
NP3114L	ALUM FARM DUTY NO LOGO'S CC	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA

<b>Accessories</b>		
<b>Part Number</b>	<b>Description</b>	<b>Multiplier</b>
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8



**AC Induction Motor Performance Data**

Record # 10786

Typical performance - not guaranteed values

<b>Winding:</b> 36GW514-R001		<b>Type:</b> 3640M		<b>Enclosure:</b> OPEN	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	7.5-9.2 AIR OVER		<b>Full Load Torque</b>	15 LB-FT	
<b>Volts</b>	208-230/460		<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	18.8-17/8.5		<b>Breakdown Torque</b>	68 LB-FT	
<b>R.P.M.</b>	3450		<b>Pull-up Torque</b>	51 LB-FT	
<b>Hz</b>	<b>60 Phase</b>	3	<b>Locked-rotor Torque</b>	56 LB-FT	
<b>NEMA Design Code</b>	<b>B KVA Code</b>	M	<b>Starting Current</b>	100 A	
<b>Service Factor (S.F.)</b>	1		<b>No-load Current</b>	2.7 A	
<b>NEMA Nom. Eff.</b>	<b>89.5 Power Factor</b>	90	<b>Line-line Res. @ 25°C</b>	1.32 Ω	
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	72°C	

**Load Characteristics 460 V, 60 Hz, 9.8 HP**

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

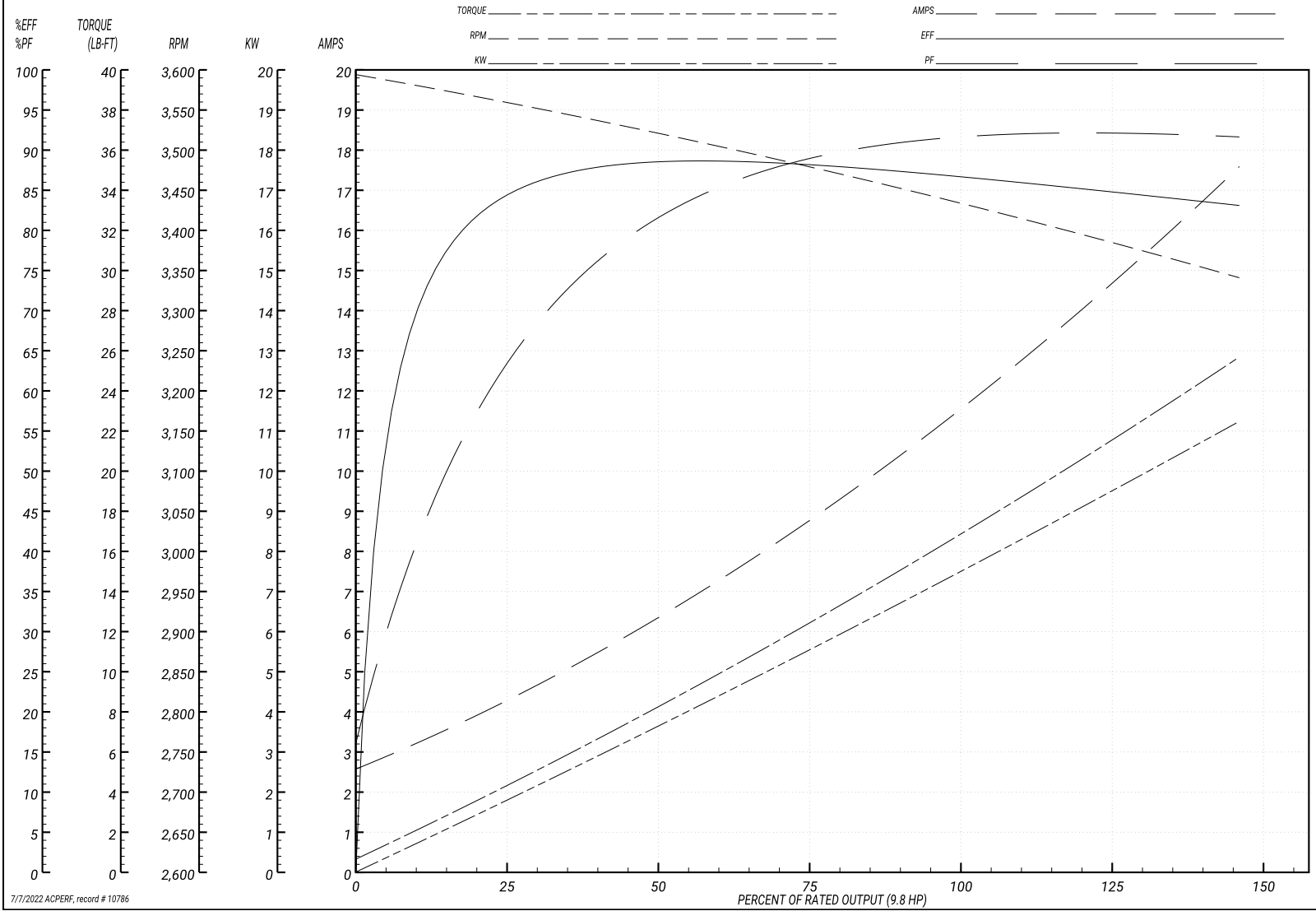
Performance Graph at 460V, 60Hz, 9.8HP Typical performance - Not guaranteed values

**BALDOR ELECTRIC COMPANY**

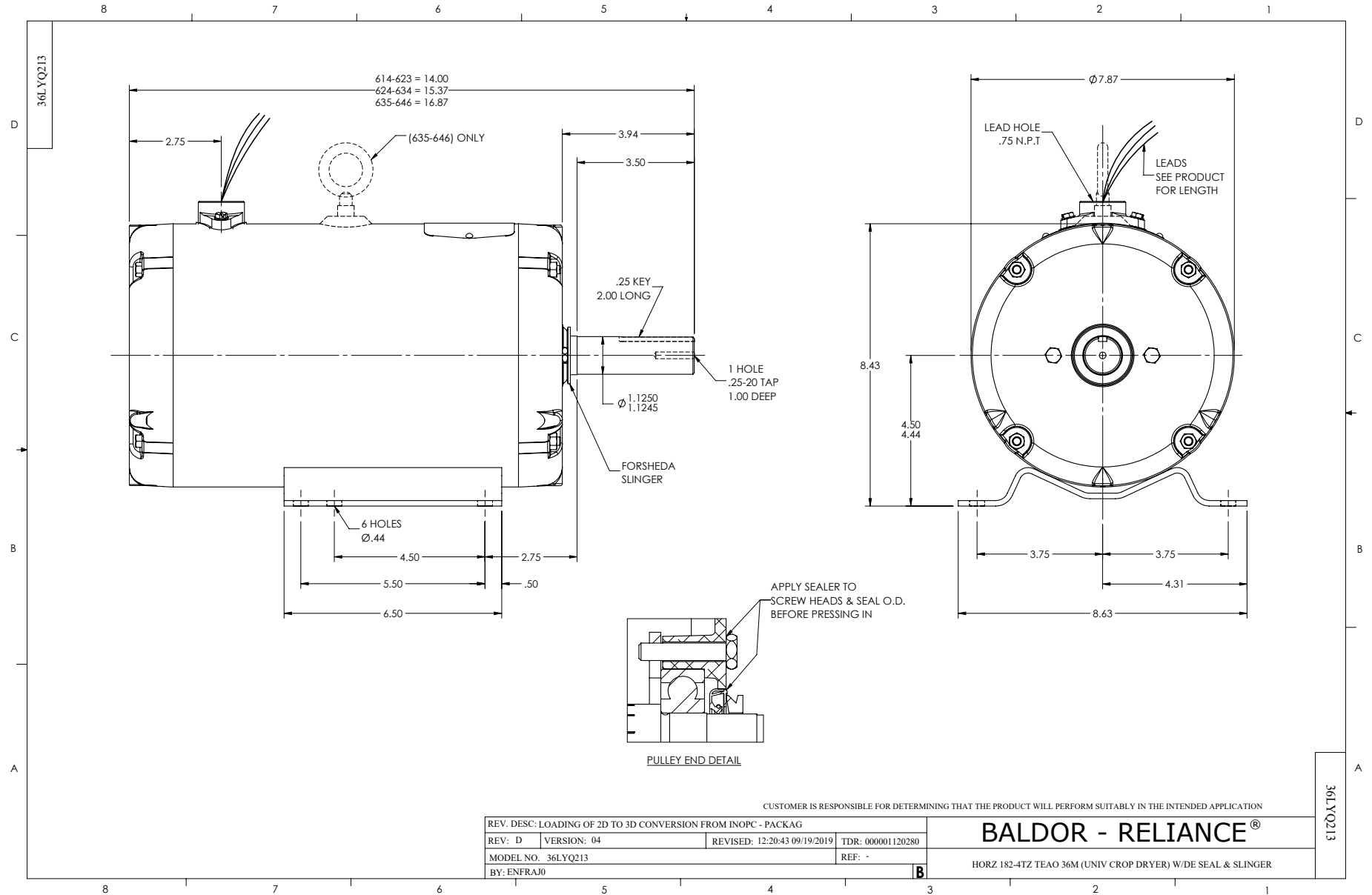
WINDING # 36WGW514

Typical performance - not guaranteed values.

9.8 HP 3 PH 60 HZ 3450 RPM 460 V 3640M  
 TORQUES(LB-FT): PO=68 PU=51 LR=56 LRA=100



7/7/2022.ACPERF\_record # 10786



CD0005

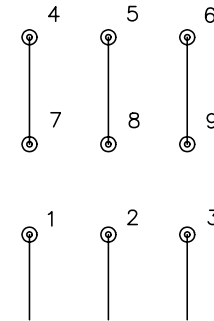


LOW VOLTAGE  
(2Y)



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

90000

FILE: AAA00005140

MDL: -

MTL: -

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005