

**BALDOR® • RELIANCE** 

**Product Information Packet**

**EJPM3713T**

**15HP,3500RPM,3PH,60HZ,215JP,3752M,TEFC,F**

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGR228	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	37L079	Layout:	37LYL079	Poles:	02	Created Date:	05-19-2015
Base:	RG	Eff. Date:	10-26-2020	Leads:	9#14		

Specs			
Catalog Number:	EJPM3713T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	215JP	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	J
Output @ Frequency:	15.000 HP @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Locked Bearing Indicator:	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:	UR	Mounting Arrangement:	F1
	CSA EEV	Power Factor:	89
	CSA	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	Rigid	Pulley Shaft Indicator:	Tapped & Key
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End

<b>Current @ Voltage:</b>	17.000 A @ 460.0 V	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
	34.000 A @ 230.0 V	<b>Shaft Rotation:</b>	Reversible
	36.800 A @ 208.0 V	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Design Code:</b>	A	<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>	None
<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

Nameplate NP3441LUA	
CAT.NO.	EJPM3713T
SPEC	37L079R228G2
HP	15
VOLTS	230/460
AMPS	34/17
RPM	3500
FRAME	215JP
	HZ 60
	PH 3
SF	1.15
	CODE J
	DES A
	CLASS F
NEMA NOM. EFF	91
	PF 89
RATING	40C AMB-CONT
CC	010A
	USABLE AT 208V 36.8
ENCL	TEFC
	SER
DE	6309
	ODE 6206
VPWM INVERTER READY	
CT6-60H(10:1)VT3-60H(20:1)	
	50Hz 15HP 190/380V 40.8/20.4A
	SF1.0

Parts List		
Part Number	Description	Quantity
SA301062	SA 37L079R228G2	1.000 EA
RA288133	RA 37L079R228G2	1.000 EA
37FN3002B01	EXFN, PLASTIC, 7.50 OD, 1.155 ID	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A29	FR ENDPLATE, FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3401T11	EP PU ENCL 309 BRG W/GRSR & RELIEF	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
10XN2520A36	1/4-20X 2 1/4 HEX HD X	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
07FH4007SP	PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
37GS1008	37 GS FOR CB LID - LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW4600B67	V-RING SLINGER 1.770 X 2.170 X .28 VITON	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
80XN1032A06	10-32 X 3/8 SET SC HEX SOCK	1.000 EA
HW2501E22	KEY, 1/4 SQ X 2.500	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
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
HA3104A25	THRUBOLT .31-18 X 14.75	4.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.028 GA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP3441LUA	ALUM SUPER-E VPWM INV READY UL CSA-EEV C	1.000 EA
37PA1039	PALLET PACK GROUP, BLANK PK1148	1.000 EA
PK3085X	FOAM SHAFT SUPPORT PRECUT 4-1/4 X 6-3/4	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

**AC Induction Motor Performance Data**

Record # 53380

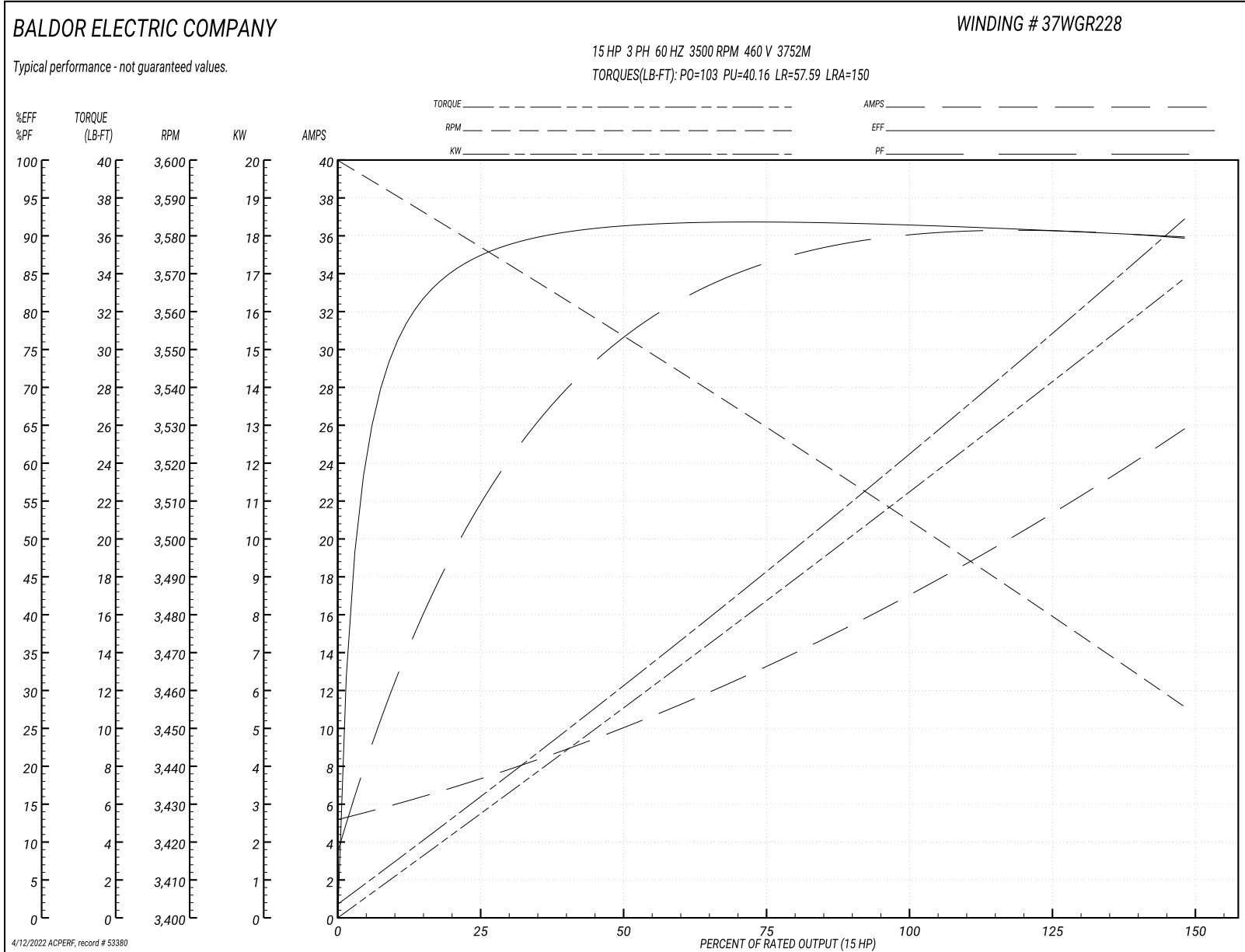
Typical performance - not guaranteed values

<b>Winding: 37WGR228-R023</b>		<b>Type: 3752M</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	15	<b>Full Load Torque</b>	22.12 LB-FT		
<b>Volts</b>	230/460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	34/17	<b>Breakdown Torque</b>	103 LB-FT		
<b>R.P.M.</b>	3500	<b>Pull-up Torque</b>	40.16 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	57.59 LB-FT	
<b>NEMA Design Code</b>	A <b>KVA Code</b>	J	<b>Starting Current</b>	150 A	
<b>Service Factor (S.F.)</b>	1.15	<b>No-load Current</b>	5.55 A		
<b>NEMA Nom. Eff.</b>	91 <b>Power Factor</b>	89	<b>Line-line Res. @ 25°C</b>	0.47 Ω	
<b>Rating - Duty</b>	40C AMB-CONT	<b>Temp. Rise @ Rated Load</b>	68°C		
<b>S.F. Amps</b>		<b>Temp. Rise @ S.F. Load</b>	79°C		
		<b>Locked-rotor Power Factor</b>	30.9		
		<b>Rotor inertia</b>	0.474 LB-FT <sup>2</sup>		

**Load Characteristics 460 V, 60 Hz, 15 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>S.F.</b>
<b>Power Factor</b>	56	78	85	89	90	90	89
<b>Efficiency</b>	86.8	91	91.9	91.4	90.8	89.8	91.3
<b>Speed</b>	3579	3557	3534	3500	3484	3456	3495
<b>Line amperes</b>	6.7	9.57	13.19	17.03	21.12	25.61	19.5

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values





**AC Induction Motor Performance Data**

Record # 57899

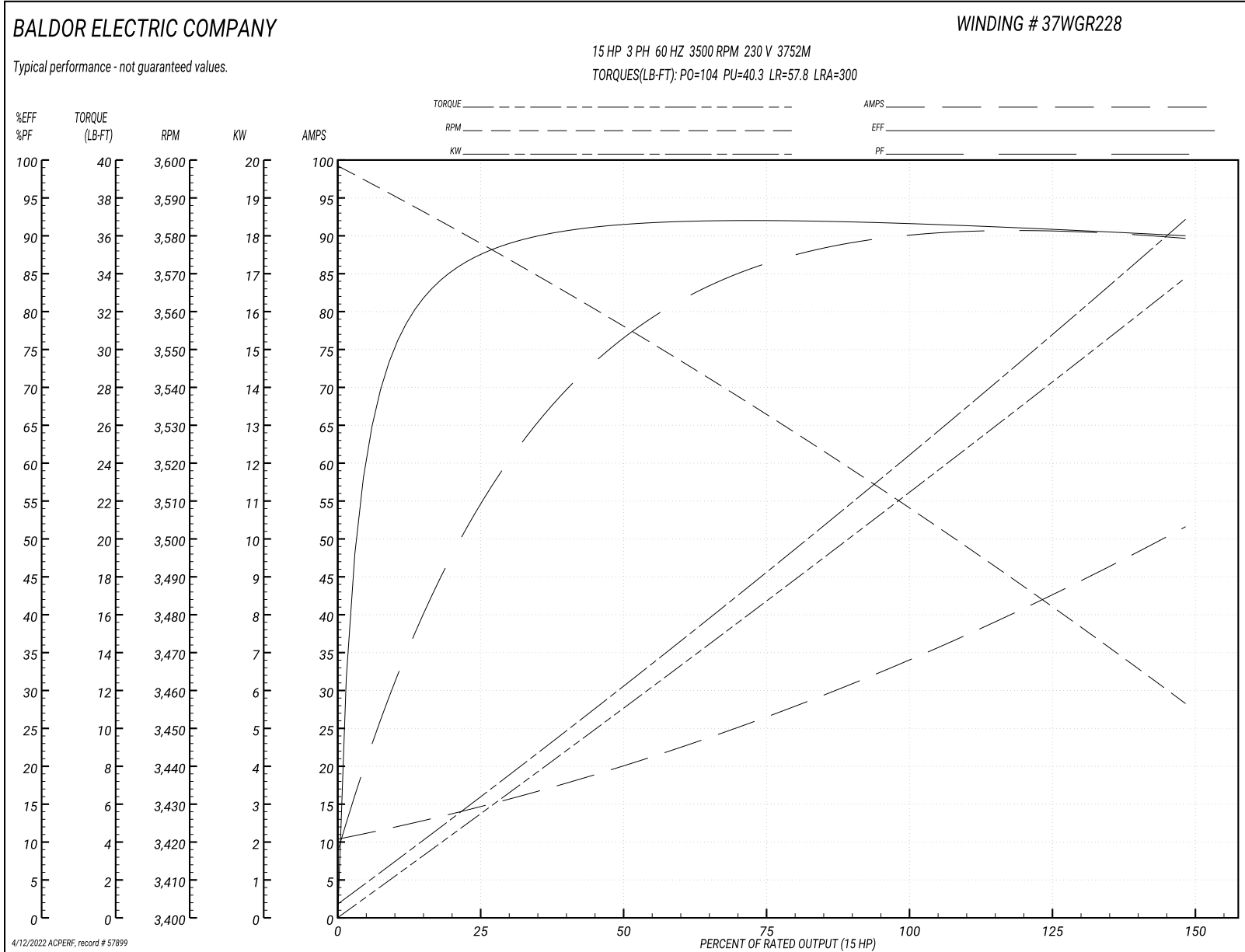
Typical performance - not guaranteed values

<b>Winding: 37WGR228-R023</b>		<b>Type: 3752M</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>230 V, 60 Hz: Low Voltage Connection</b>		
<b>Rated Output (HP)</b>	15	<b>Full Load Torque</b>	22.1 LB-FT		
<b>Volts</b>	230/460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	34/17	<b>Breakdown Torque</b>	104 LB-FT		
<b>R.P.M.</b>	3500	<b>Pull-up Torque</b>	40.3 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	57.8 LB-FT	
<b>NEMA Design Code</b>	A <b>KVA Code</b>	J	<b>Starting Current</b>	300 A	
<b>Service Factor (S.F.)</b>	1.15	<b>No-load Current</b>	11.1 A		
<b>NEMA Nom. Eff.</b>	91 <b>Power Factor</b>	89	<b>Line-line Res. @ 25°C</b>	0.111 Ω	
<b>Rating - Duty</b>	40C AMB-CONT	<b>Temp. Rise @ Rated Load</b>	67°C		
<b>S.F. Amps</b>		<b>Temp. Rise @ S.F. Load</b>	82°C		
		<b>Locked-rotor Power Factor</b>	30.3		
		<b>Rotor inertia</b>	0.474 LB-FT <sup>2</sup>		

**Load Characteristics 230 V, 60 Hz, 15 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>S.F.</b>
<b>Power Factor</b>	56	77	85	89	90	90	90
<b>Efficiency</b>	86.8	91.1	92	91.8	91	90	91.3
<b>Speed</b>	3579	3558	3534	3510	3485	3456	3495
<b>Line amperes</b>	13.4	19.1	26.4	34	42.2	51.2	38.9

Performance Graph at 230V, 60Hz, 15.0HP Typical performance - Not guaranteed values



**AC Induction Motor Performance Data**

Record # 70097

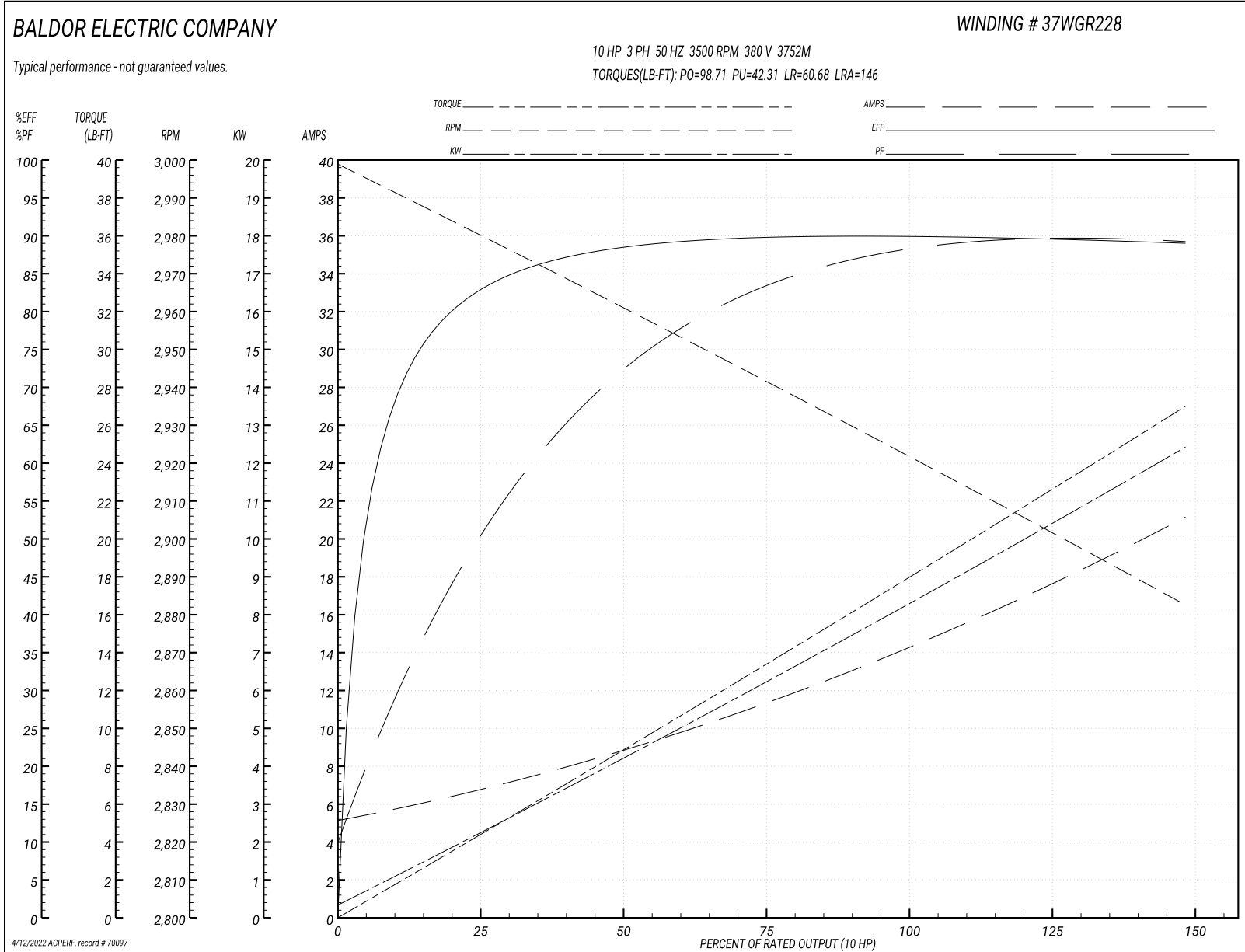
Typical performance - not guaranteed values

<b>Winding: 37WGR228-RXXX</b>		<b>Type: 3752M</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>380 V, 50 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	15	<b>Full Load Torque</b>	17.68 LB-FT		
<b>Volts</b>	230/460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	34/17	<b>Breakdown Torque</b>	98.71 LB-FT		
<b>R.P.M.</b>	3500	<b>Pull-up Torque</b>	42.31 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	60.68 LB-FT	
<b>NEMA Design Code</b>	A <b>KVA Code</b>	J	<b>Starting Current</b>	146 A	
<b>Service Factor (S.F.)</b>	1.15	<b>No-load Current</b>	5.43 A		
<b>NEMA Nom. Eff.</b>	91 <b>Power Factor</b>	89	<b>Line-line Res. @ 25°C</b>	0.47 Ω	
<b>Rating - Duty</b>	40C AMB-CONT	<b>Temp. Rise @ Rated Load</b>	52°C		
<b>S.F. Amps</b>		<b>Temp. Rise @ S.F. Load</b>	63°C		
		<b>Locked-rotor Power Factor</b>	34.6		
		<b>Rotor inertia</b>	0.474 LB-FT <sup>2</sup>		

**Load Characteristics 380 V, 50 Hz, 10 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>S.F.</b>
<b>Power Factor</b>	51	73	82	87	89	90	88
<b>Efficiency</b>	81.7	88	89.8	89.9	89.6	88.9	89.7
<b>Speed</b>	2982	2964	2945	2918	2905	2883	2910
<b>Line amperes</b>	6.27	8.45	11.29	14.27	17.46	20.98	16.2

Performance Graph at 380V, 50Hz, 10.0HP Typical performance - Not guaranteed values



**AC Induction Motor Performance Data**

Record # 73419

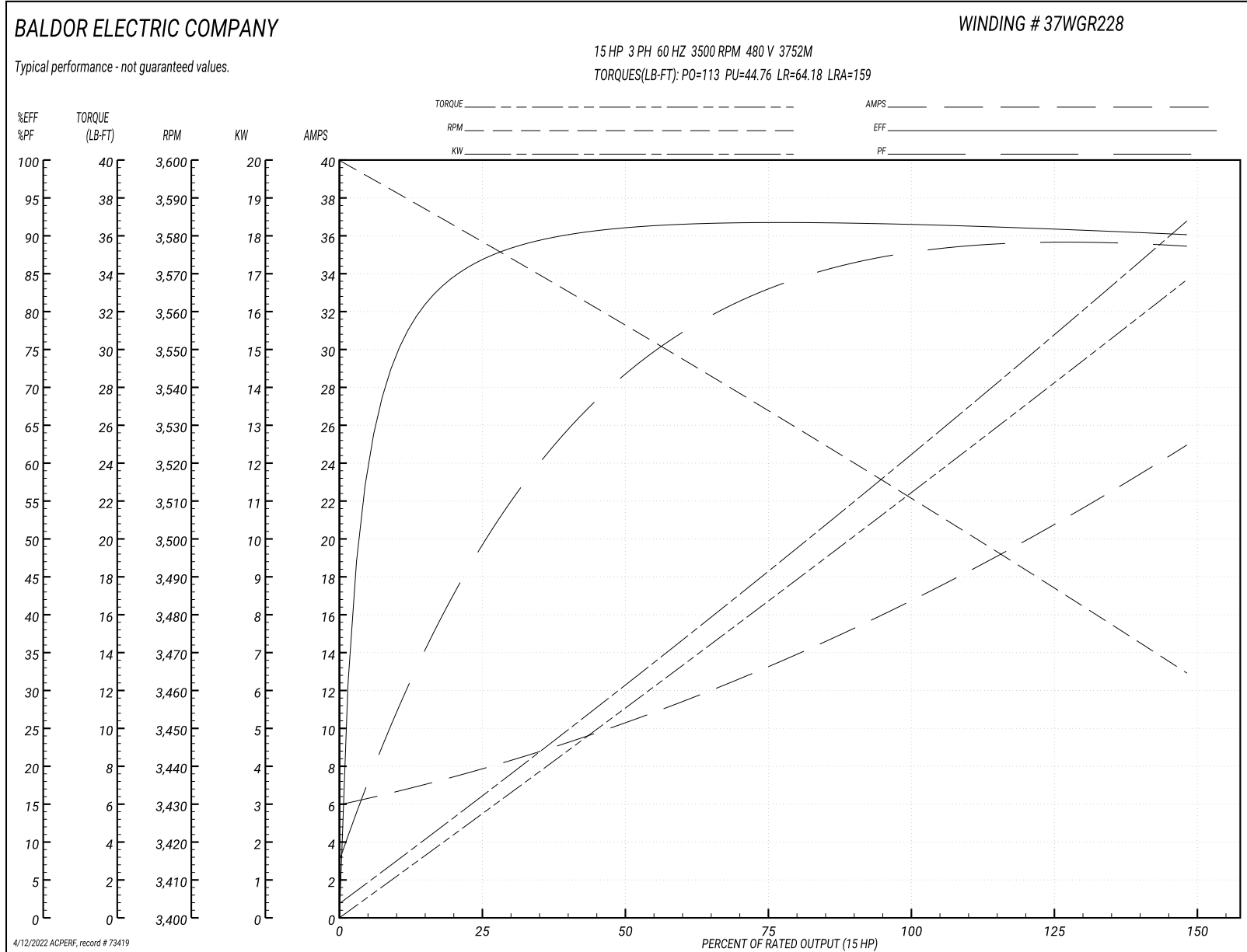
Typical performance - not guaranteed values

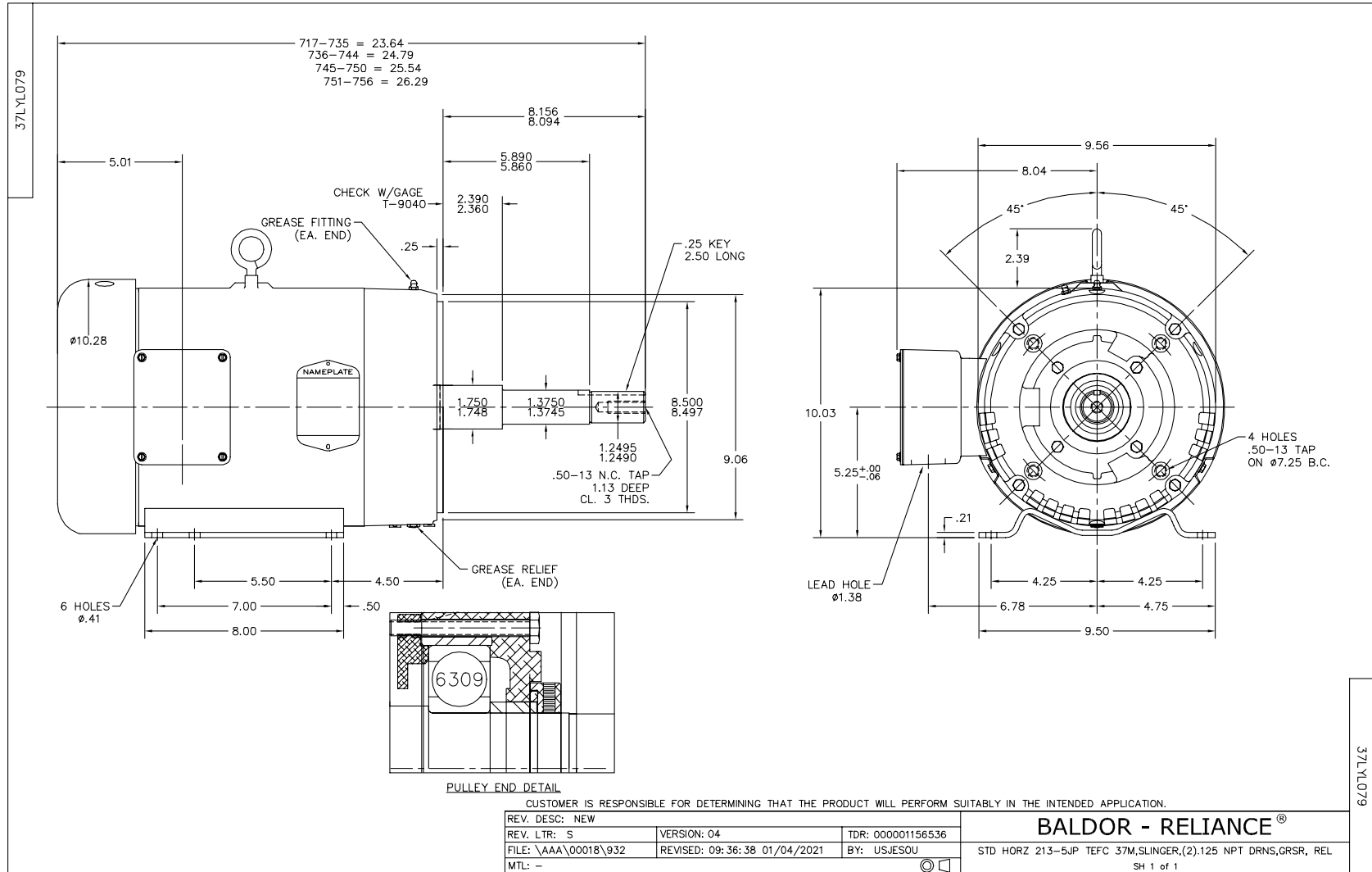
<b>Winding: 37WGR228-RXXX</b>		<b>Type: 3752M</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>480 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	15	<b>Full Load Torque</b>	22.12 LB-FT		
<b>Volts</b>	230/460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	34/17	<b>Breakdown Torque</b>	113 LB-FT		
<b>R.P.M.</b>	3500	<b>Pull-up Torque</b>	44.76 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	64.18 LB-FT	
<b>NEMA Design Code</b>	A <b>KVA Code</b>	J	<b>Starting Current</b>	159 A	
<b>Service Factor (S.F.)</b>	1.15	<b>No-load Current</b>	6.32 A		
<b>NEMA Nom. Eff.</b>	91 <b>Power Factor</b>	89	<b>Line-line Res. @ 25°C</b>	0.47 Ω	
<b>Rating - Duty</b>	40C AMB-CONT	<b>Temp. Rise @ Rated Load</b>	67°C		
<b>S.F. Amps</b>		<b>Temp. Rise @ S.F. Load</b>	83°C		
		<b>Locked-rotor Power Factor</b>	31.2		
		<b>Rotor inertia</b>	0.474 LB-FT <sup>2</sup>		

**Load Characteristics 480 V, 60 Hz, 15 HP**

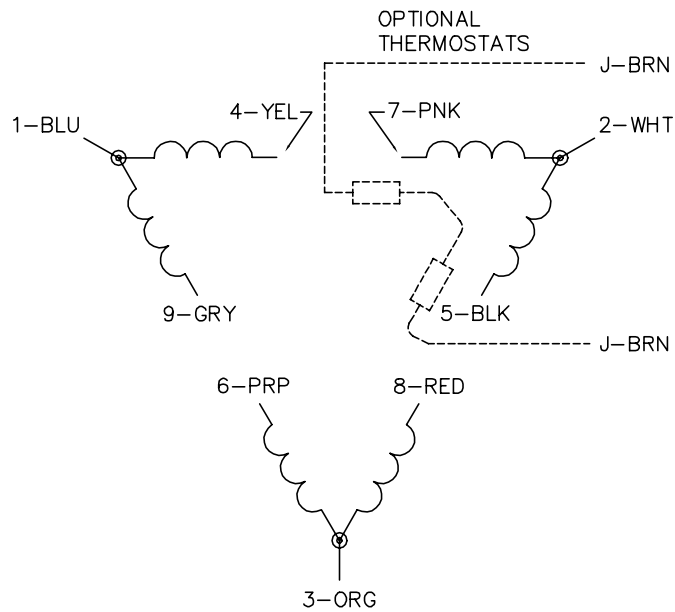
<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor</b>	50	72	82	86	88	89	87
<b>Efficiency</b>	86.2	90.7	91.8	91.5	90.9	90.1	91.1
<b>Speed</b>	3580	3560	3538	3506	3491	3465	3497
<b>Line amperes</b>	7.28	9.85	13.18	16.77	20.58	24.75	19.1

Performance Graph at 480V, 60Hz, 15.0HP Typical performance - Not guaranteed values

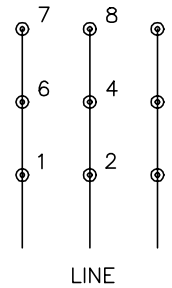




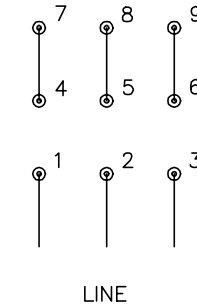
CD0180



LOW VOLTAGE  
(2D)



HIGH VOLTAGE  
(1D)



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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIRO
MTL: -	© □	

**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1