ABB BALDOR RELIANCE

Customer information packet

37E694Y384G2

10HP, 3500RPM, 3PH, 60HZ, 215JM, 3740M, TEFC, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	215JM
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	UR
	CSA
	CSA EEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	23.000 A @ 230.0 V
	11.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	W
Type	AC
Mech. spec.	37E694
Base	
Status	PRD/A
Elec. spec.	37WGY384
Layout	37LYE694
Eff. date	08-29-2024
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	11.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3740M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	20.91 IN
Power Factor	89
Product Family	Wash Down
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3500 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1669L									
CAT.NO.									
SPEC.	37E694Y384G2								
HP	10								
VOLTS	230/460								
AMP	23/11.5								
RPM	3500								
FRAME	215JM	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	L	**DES**	B	**CLASS**	F		
NEMA-NOM-EFF	91	**PF**	89						
RATING	40C AMB-CONT								
CC	010A								
DE	6309	**ODE**	6206						
ENCL	TEFC	**SN**							
BLANK									

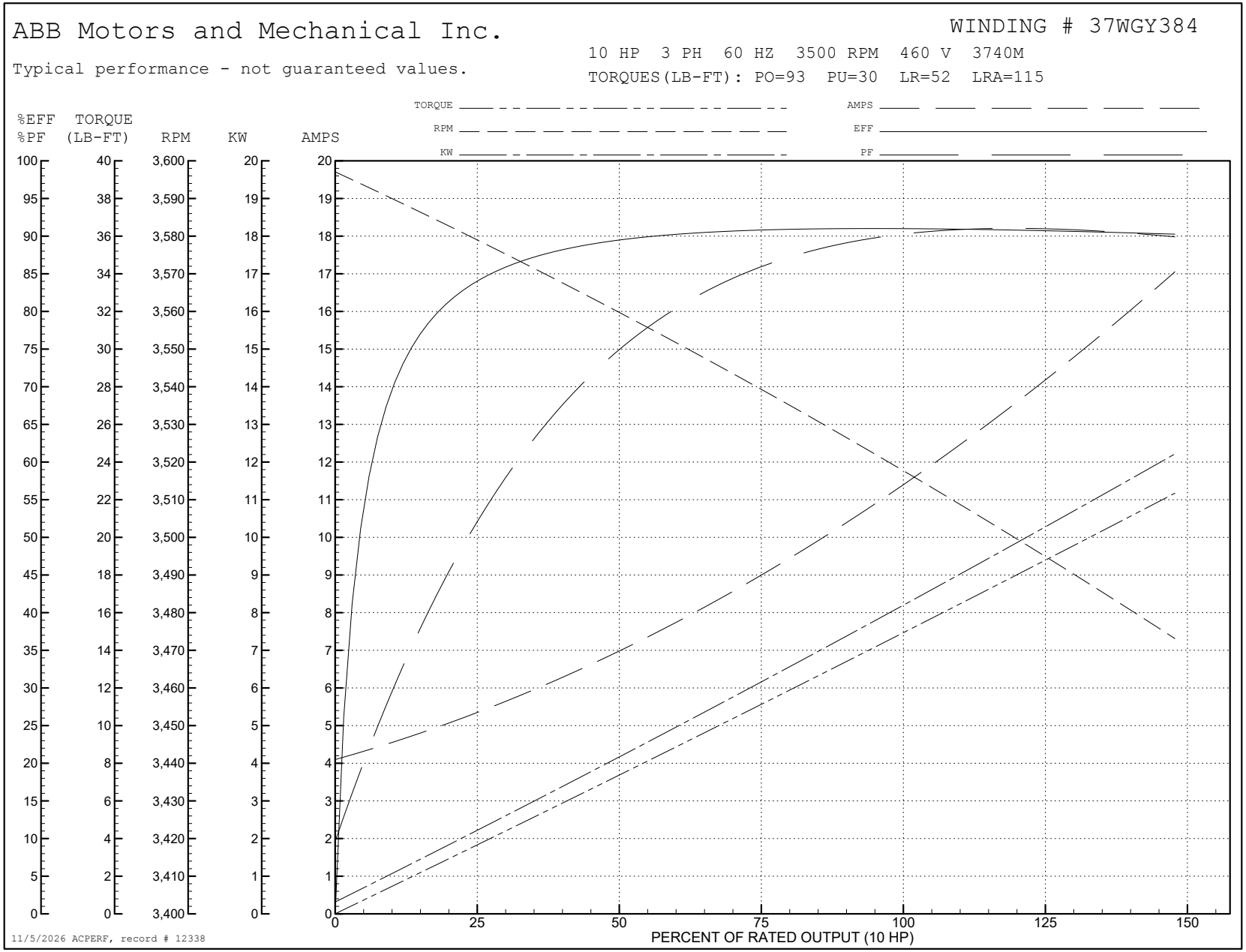
AC Induction Motor Performance Data
Record # 12338
Typical performance - not guaranteed values

Winding: 37WGY384-R001	**Type:** 3740M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10	**Full Load Torque**	14.9 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			23/11.5	**Breakdown Torque**	93 LB-FT
R.P.M.			3500	**Pull-up Torque**	30 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	52 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	115 A
Service Factor (S.F.)			1.15	**No-load Current**	4.3 A
NEMA Nom. Eff.	91	**Power Factor**	89	**Line-line Res. @ 25ºC**	0.72 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	57°C
S.F. Amps				**Temp. Rise @ S.F. Load**	76°C
				Locked-rotor Power Factor	33
				Rotor inertia	0.365 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	54	76	85	89	91	92	0
Efficiency	83.9	89.4	90.8	91.1	90.8	90.2	0
Speed	3579	3559	3539	3518	3496	3473	0
Line amperes	5.1	6.9	9.1	11.5	14.2	16.9	13.1


ABB Motors and Mechanical Inc.
WINDING # 37WGY384
10 HP 3 PH 60 HZ 3500 RPM 460 V 3740M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=93 PU=30 LR=52 LRA=115
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (10 HP)
11/5/2026 ACPERF, record # 12338

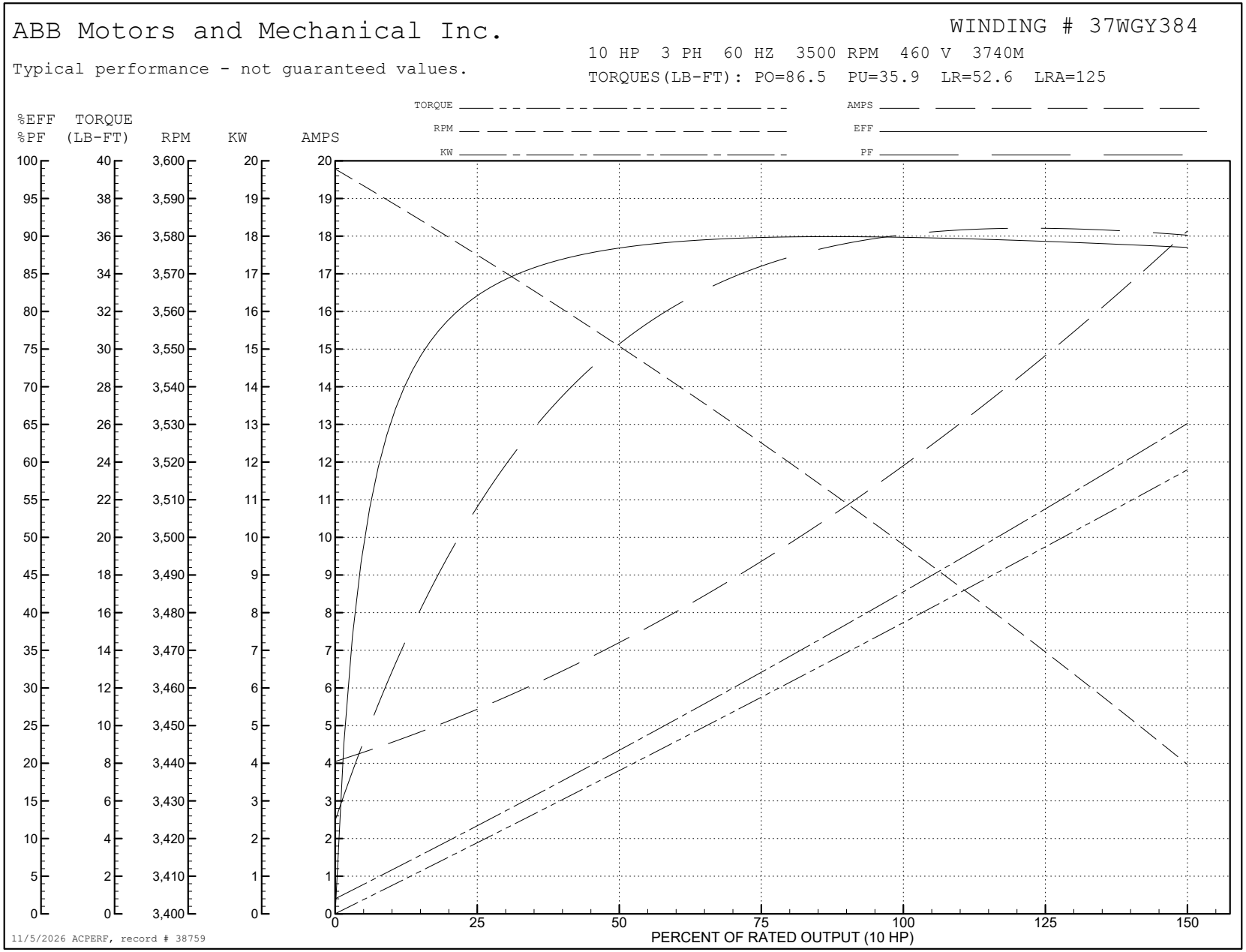
AC Induction Motor Performance Data
Record # 38759
Typical performance - not guaranteed values

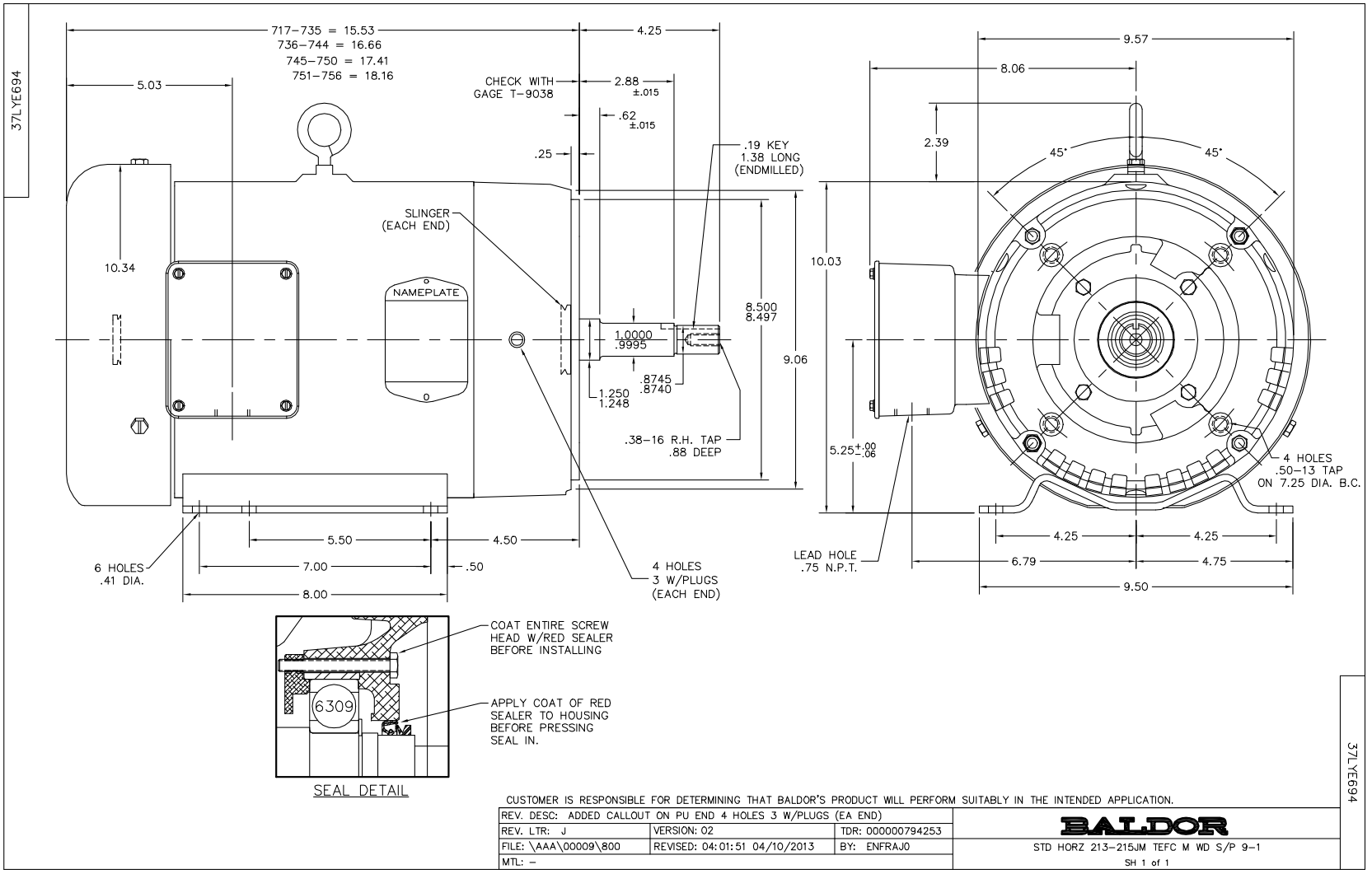
Winding: 37WGY384-R001	**Type:** 3740M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10	**Full Load Torque**	15.8 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			23/11.5	**Breakdown Torque**	86.5 LB-FT
R.P.M.			3500	**Pull-up Torque**	35.9 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	52.6 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	125 A
Service Factor (S.F.)			1.15	**No-load Current**	4.25 A
NEMA Nom. Eff.	91	**Power Factor**	89	**Line-line Res. @ 25ºC**	0.72298 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	69°C
S.F. Amps				**Temp. Rise @ S.F. Load**	81°C
				Locked-rotor Power Factor	33
				Rotor inertia	0.365 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	62	79	86	89	90	91	90
Efficiency	83.7	88.7	89.9	90	89.5	88.5	89.7
Speed	3569.9	3547	3522.7	3497.2	3469.6	3438.6	3481
Line amperes	5.38	7.34	9.65	12.3	15	18	13.9

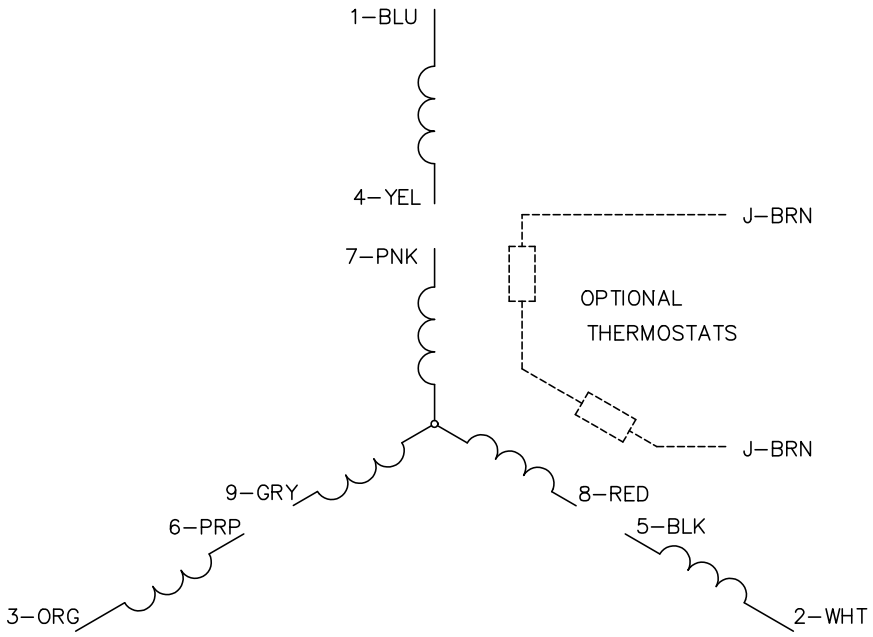

ABB Motors and Mechanical Inc.
WINDING # 37WGY384
10 HP 3 PH 60 HZ 3500 RPM 460 V 3740M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=86.5 PU=35.9 LR=52.6 LRA=125
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (10 HP)
11/5/2026 ACPERF, record # 38759

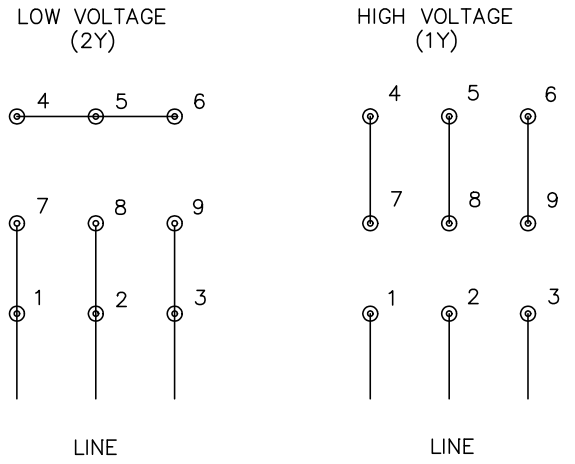


CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: ADDED CALLOUT ON PU END 4 HOLES 3 W/PLUGS (EA END)		BALDOR
REV. LTR: J	VERSION: 02	TDR: 000000794253
FILE: \AAA\00009\800	REVISED: 04:01:51 04/10/2013	BY: ENFRAJ0
MTL: –		STD HORZ 213–215JM TEFC M WD S/P 9–1
		SH 1 of 1

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS