

**BALDOR® • RELIANCE** 

**Product Information Packet**

**EHFM3313T**

**10HP,1770RPM,3PH,60HZ,215T,3742M,OPSB,F2**

Part Detail							
Revision:	V	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGT853	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37L724	Layout:	37LYL724	Poles:	04	Created Date:	06-27-2006
Base:	RG	Eff. Date:	07-18-2019	Leads:	9#14		

Specs			
Catalog Number:	EHFM3313T	Insulation Class:	F
Enclosure:	OPSB	Inverter Code:	Inverter Ready
Frame:	215T	KVA Code:	H
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	10.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3742M
XP Division:	Not Applicable	Mounting Arrangement:	F2
Agency Approvals:	CSA	Power Factor:	82
	UR	Product Family:	General Purpose
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:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	12.500 A @ 460.0 V	Shaft Extension Location:	Pulley End

	25.000 A @ 230.0 V	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
	26.000 A @ 208.0 V	<b>Shaft Rotation:</b>	Reversible
<b>Design Code:</b>	B	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Drip Cover:</b>	No Drip Cover	<b>Speed Code:</b>	Single Speed
<b>Duty Rating:</b>	CONT	<b>Motor Standards:</b>	NEMA
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Starting Method:</b>	Direct on line
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Bearing:</b>	None
<b>Front Face Code:</b>	Standard	<b>Thermal Device - Winding:</b>	None
<b>Front Shaft Indicator:</b>	None	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 1:</b>	None
		<b>Winding Thermal 2:</b>	None

Nameplate NP2094E06B03	
CAT.NO.	EHF3313T
SPEC.	37L724T853G1
HP	10
VOLTS	230/460
AMPS	25/12.5
RPM	1770
FRAME	215T
	HZ 60
	PH 3
SER.F.	1.15
CODE	H
DES	B
CL	F
NEMA-NOM-EFF	91.7
	PF 82
RATING	40C AMB-CONT
CC	010A
	USABLE AT 208V 26
DE	6307
	ODE 6206
AUTO	N
MANUAL	N
NONE	Y
ENCL	OPSB
SN	
BLANK	

**AC Induction Motor Performance Data**

Record # 53404

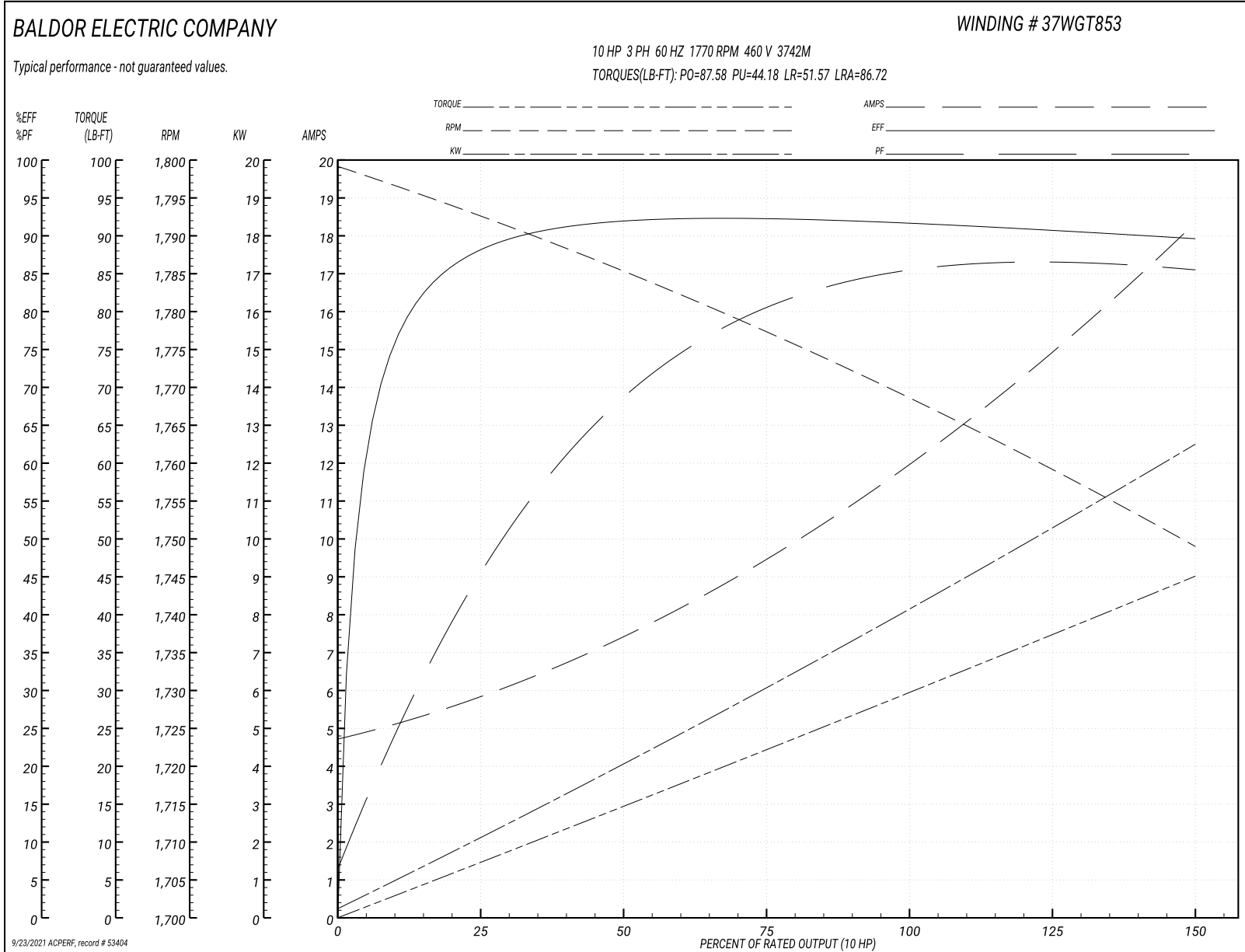
Typical performance - not guaranteed values

<b>Winding: 37WGT853-R026</b>		<b>Type: 3742M</b>		<b>Enclosure: OPSB</b>	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	10	<b>Full Load Torque</b>	29.7 LB-FT		
<b>Volts</b>	230/460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	25/12.5	<b>Breakdown Torque</b>	87.58 LB-FT		
<b>R.P.M.</b>	1770	<b>Pull-up Torque</b>	44.18 LB-FT		
<b>Hz</b>	60 Phase	<b>Locked-rotor Torque</b>	51.57 LB-FT		
<b>NEMA Design Code</b>	B	<b>Starting Current</b>	86.72 A		
<b>Service Factor (S.F.)</b>	1.15	<b>No-load Current</b>	4.91 A		
<b>NEMA Nom. Eff.</b>	91.7	<b>Line-line Res. @ 25°C</b>	1.18 Ω		
<b>Rating - Duty</b>	40C AMB-CONT	<b>Temp. Rise @ Rated Load</b>	34°C		
<b>S.F. Amps</b>		<b>Temp. Rise @ S.F. Load</b>	43°C		
		<b>Locked-rotor Power Factor</b>	37.9		
		<b>Rotor inertia</b>	1.03 LB-FT <sup>2</sup>		

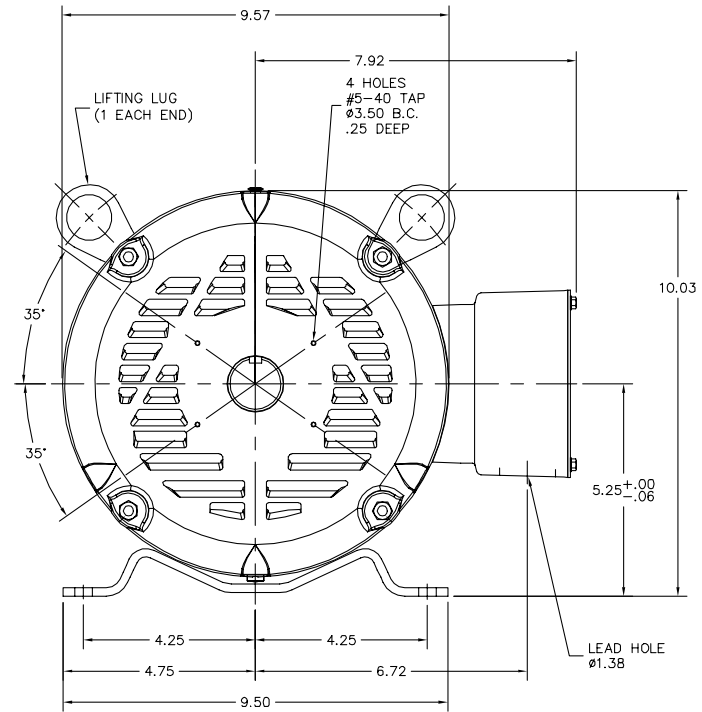
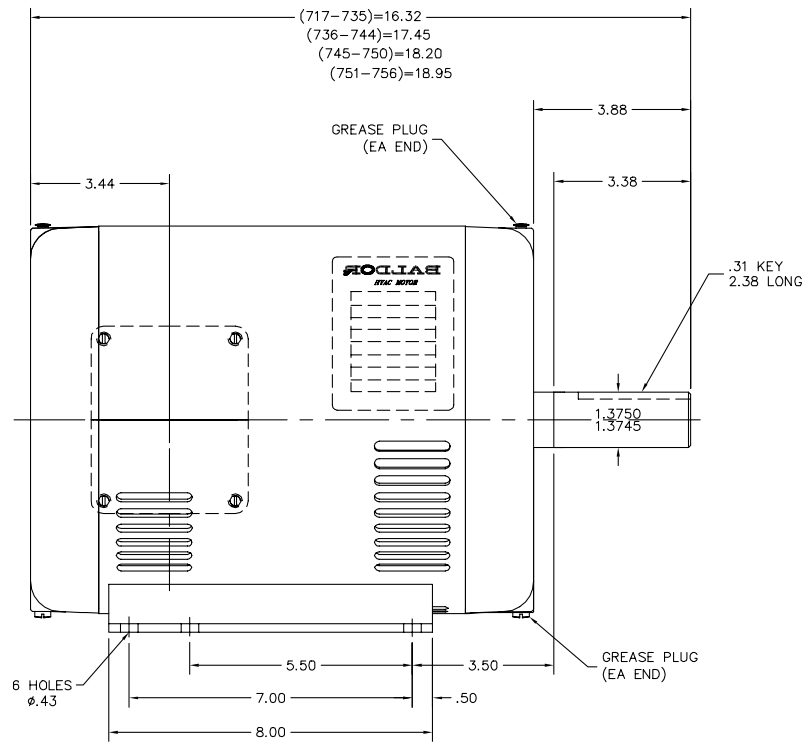
**Load Characteristics 460 V, 60 Hz, 10 HP**

<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>	48	70	80	84	86	86	83
<b>Efficiency</b>	87.7	91.8	92.2	91.7	90.8	89.5	91.4
<b>Speed</b>	1793	1785	1777	1769	1759	1749	1763
<b>Line amperes</b>	5.6	7.31	9.53	12.15	15	18.24	14.2

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values



37LYL724



37LYL724

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

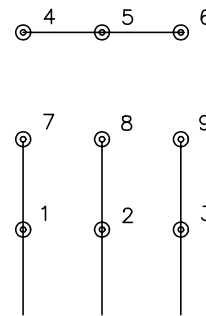
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REV. LTR: C	VERSION: 03
FILE: \AAA\00137\943	REVISED: 03:11:21 01/15/2018
MTL: -	BY: ENALEMO

**BALDOR**  
 HOR 213-5T OPSB M F2 (HVAC)W/GREASE PLUGS, AEGIS SH GND MTG  
 SH 1 of 1

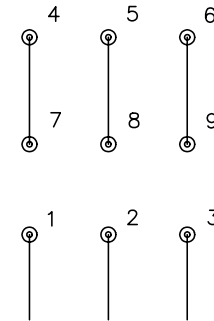
CD0005



LOW VOLTAGE  
(2Y)



HIGH VOLTAGE  
(1Y)



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

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FILE: AAA00005140

MDL: -

MTL: -

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005