

BALDOR® • RELIANCE 

Product Information Packet

EHFM3311T

7.5HP,1770RPM,3PH,60HZ,213T,3734M,OPSB,F

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGL863	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37L724	Layout:	37LYL724	Poles:	04	Created Date:	01-29-2021
Base:	RG	Eff. Date:	06-14-2021	Leads:	9#14		

Specs			
Catalog Number:	EHFM3311T	Insulation Class:	F
Enclosure:	OPSB	Inverter Code:	Inverter Ready
Frame:	213T	KVA Code:	J
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	7.500 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:	3734M
XP Division:	Not Applicable	Mounting Arrangement:	F2
Agency Approvals:	CSA	Power Factor:	79
	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	Shaft Extension Location:	Pulley End
Current @ Voltage:	19.600 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	20.600 A @ 208.0 V	Shaft Rotation:	Reversible
	9.800 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	A	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP2094E06B03	
CAT.NO.	EHF3311T
SPEC.	37L724L863G1
HP	7.5
VOLTS	230/460
AMPS	19.6/9.8
RPM	1770
FRAME	213T
	HZ 60
	PH 3
SER.F.	1.15
CODE	J
DES	A
CL	F
NEMA-NOM-EFF	91
	PF 79
RATING	40C AMB-CONT
CC	010A
	USABLE AT 208V 20.6
DE	6307
	ODE 6206
AUTO	
MANUAL	
NONE	
ENCL	OPSB
SN	
BLANK	

AC Induction Motor Performance Data

Record # 85452

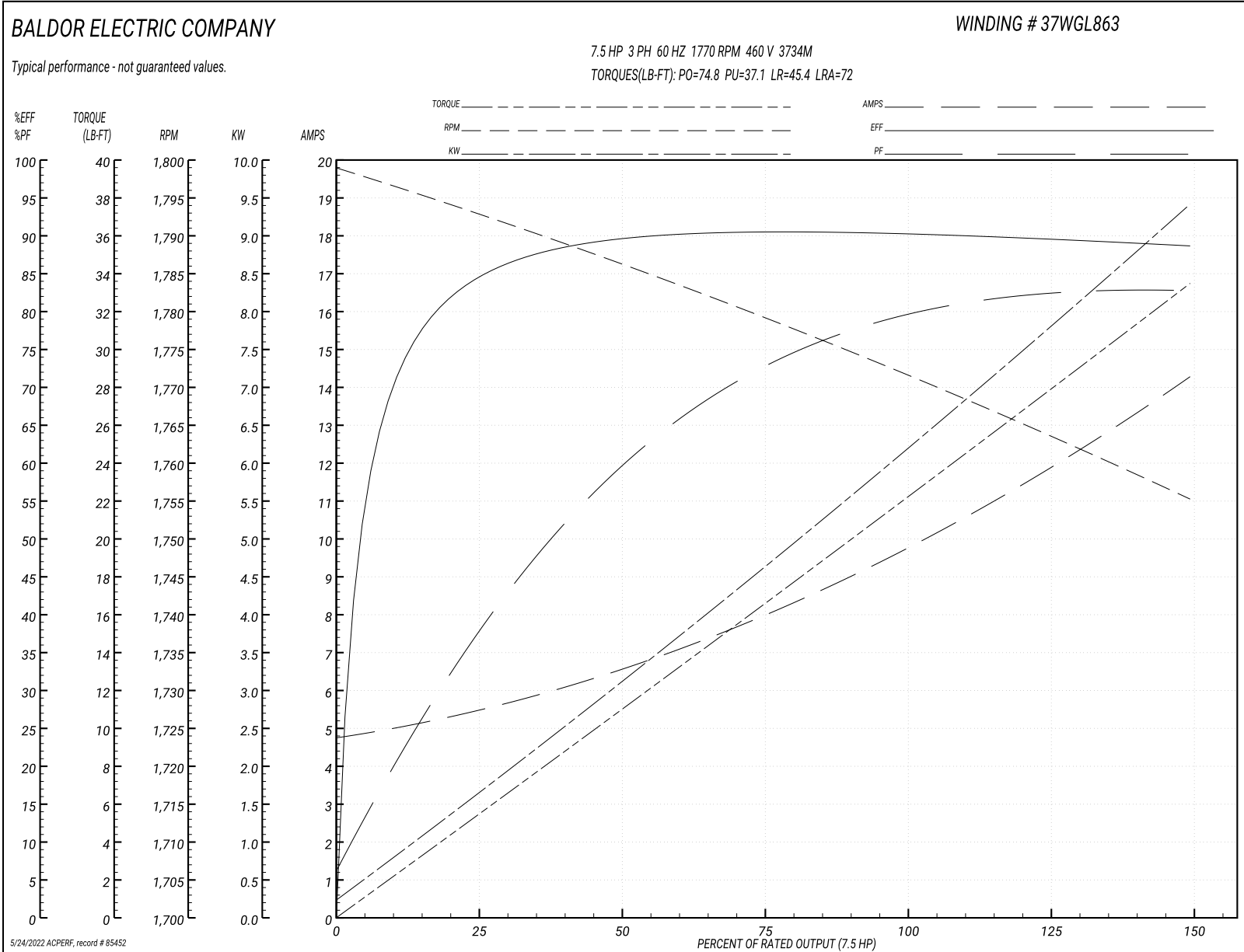
Preliminary Data Sheet

Winding: 37WGL863-R001		Type: 3734M	Enclosure: OPSB
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5	Full Load Torque	22.2 LB-FT
Volts	230/460	Start Configuration	direct on line
Full Load Amps	19.6/9.8	Breakdown Torque	74.8 LB-FT
R.P.M.	1770	Pull-up Torque	37.1 LB-FT
Hz	60 Phase	Locked-rotor Torque	45.4 LB-FT
NEMA Design Code	A KVA Code	Starting Current	72 A
Service Factor (S.F.)	1.15	No-load Current	4.87 A
NEMA Nom. Eff.	91 Power Factor	Line-line Res. @ 25°C	1.67 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	35°C
S.F. Amps	22.0/11.0	Temp. Rise @ S.F. Load	47°C
		Locked-rotor Power Factor	45.8
		Rotor inertia	0.836 lb-ft ²

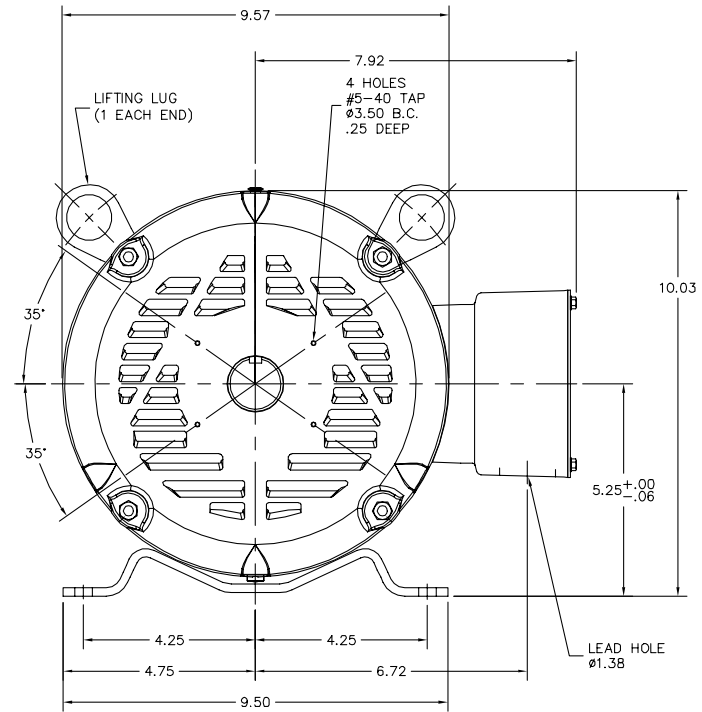
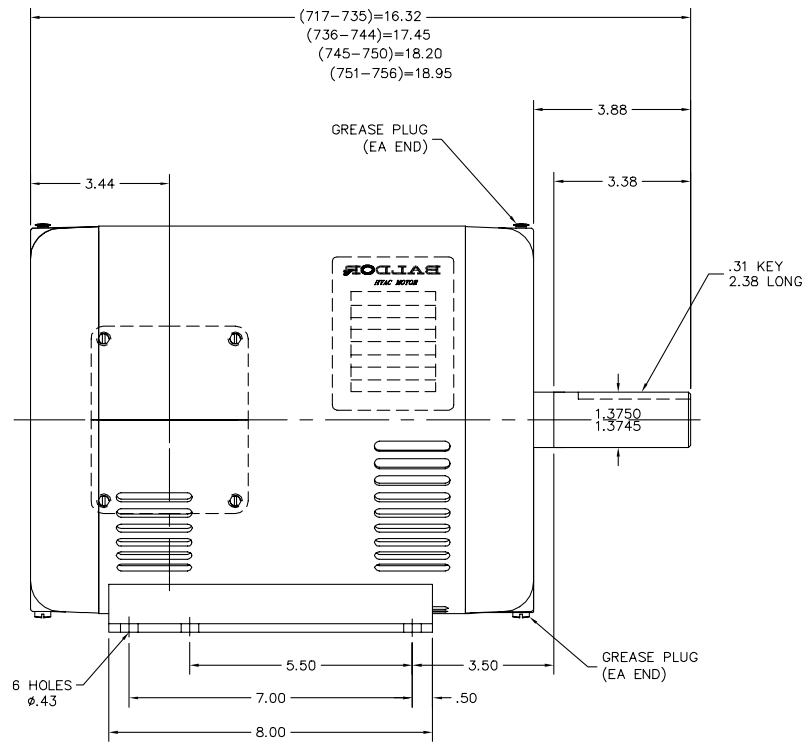
Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	60	73	79	82	83	81
Efficiency	85	90.1	91.1	90.9	90.1	89	90.3
Speed	1793	1786	1779	1772	1764	1755	1766
Line amperes	5.34	6.47	7.99	9.87	11.9	14.2	11.1

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values



37LYL724



37LYL724

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

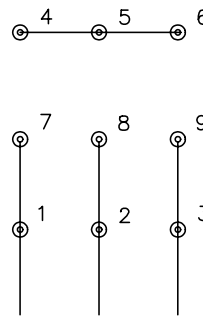
REV. DESC: UPDATE GRAPHICS FOR PUEP TO SHOW 4 HOLES FOR AEGIS	VERSION: 03	TDR: 000001056242
REV. LTR: C	REVISD: 03:11:21 01/15/2018	BY: ENALEMO
FILE: \AAA\00137\943		
MTL: -		

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

CD0005

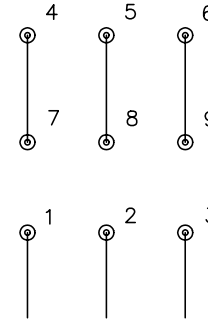


LOW VOLTAGE
(2Y)



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
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BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005