

BALDOR • RELIANCE

Customer information packet

EHPM3714T

10HP, 1770RPM, 3PH, 60HZ, 215TYZ, 3752M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215TYZ
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	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA EEV NEMA PREMIUM UR CSA
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	24.000 A @ 230.0 V 25.400 A @ 208.0 V 12.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part detail

Revision	J
Type	AC
Mech. spec.	37J606
Base	
Status	PRD/A
Elec. spec.	37WGS518
Layout	37LYJ606
Eff. date	05-02-2024
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	07-07-2015

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No 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	3752M
Mounting Arrangement	F3
Number of Poles	4
Overall Length	17.29 IN
Power Factor	85
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	SAE 2-Bolt B Pump Mount
Pulley Shaft Indicator	Bored & Key
Rodent Screen	None
Service Factor	1.15
Shaft Extension Location	None
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1770 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

NP3441L

CAT.NO.	EHPM3714T							
SPEC.	37J606S518G1							
HP	10							
VOLTS	230/460							
AMP	24/12							
RPM	1770							
FRAME	215TYZ	HZ	60	PH	3			
SER.F.	1.15	CODE	K	DES	A	CL	F	
NEMA-NOM-EFF	91.7	PF	85					
RATING	40C AMB-CONT							
CC	010A							
DE	6208	ODE	6206					
ENCL	TEFC	SN						

VPWM INVERTER READY

CT6-60H(10:1)VT3-60H(20:1)

AC Induction Motor Performance Data

Record # 89631

Typical performance - not guaranteed values

Winding: 37WGS518-R015		Type: 3752M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	10	Full Load Torque	29.68 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	24/12	Breakdown Torque	110 LB-FT		
R.P.M.	1770	Pull-up Torque	58.7 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	68 LB-FT	
NEMA Design Code	A	KVA Code	K	Starting Current	103 A
Service Factor (S.F.)	1.15		No-load Current	5.52 A	
NEMA Nom. Eff.	91.7	Power Factor	85	Line-line Res. @ 25°C	0.95644 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	66°C	
S.F. Amps			Temp. Rise @ S.F. Load	82°C	
			Locked-rotor Power Factor	35.5042	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	65	76	81	84	85	83
Efficiency	89	92.6	93	92.6	91.8	90.6	92.1
Speed	1792.8	1786.1	1778.9	1771.1	1762.8	1753.5	1766
Line amperes	6.22	7.82	9.98	12.5	15.2	18.2	14.1

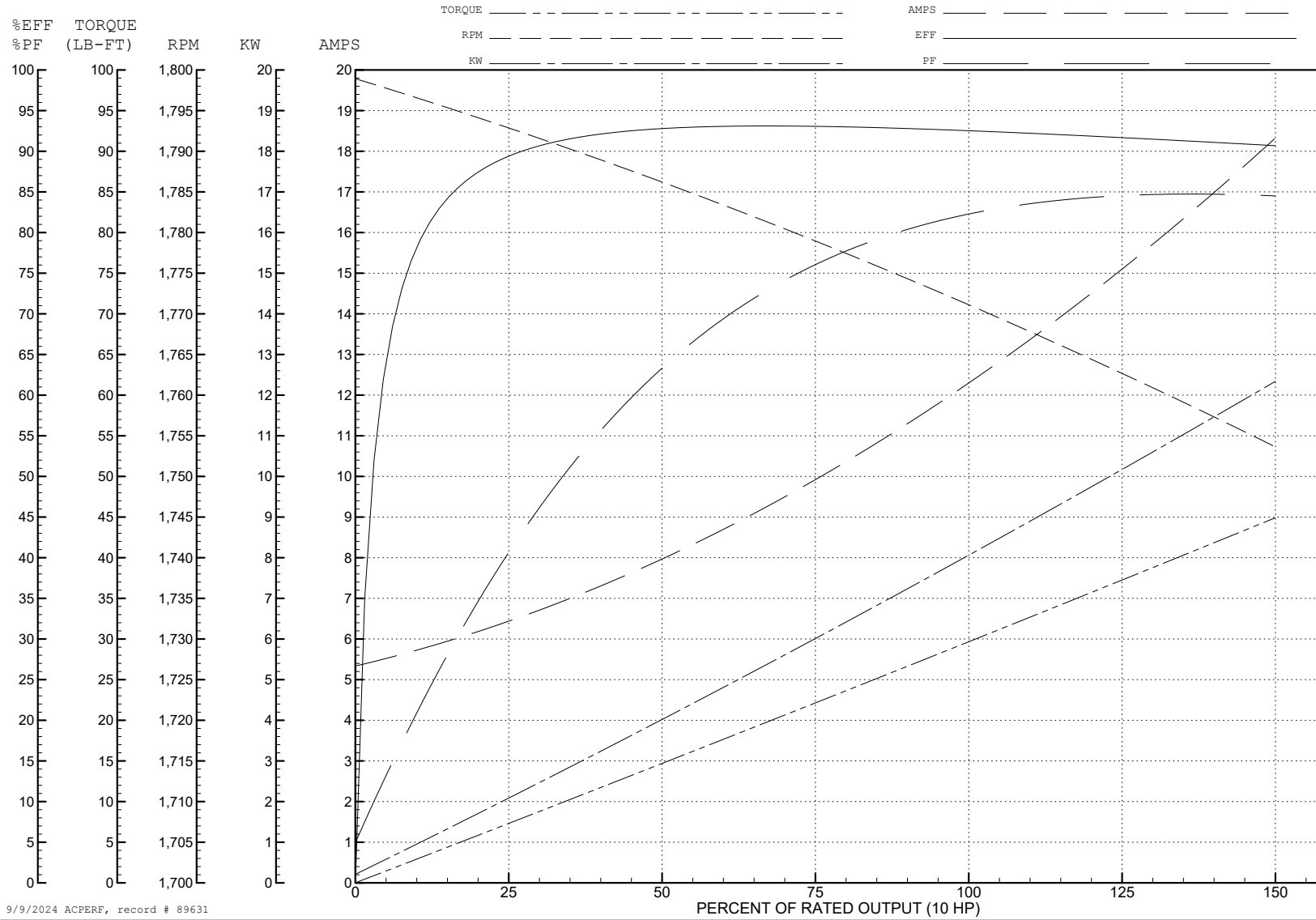
ABB Motors and Mechanical Inc.

WINDING # 37WGS518

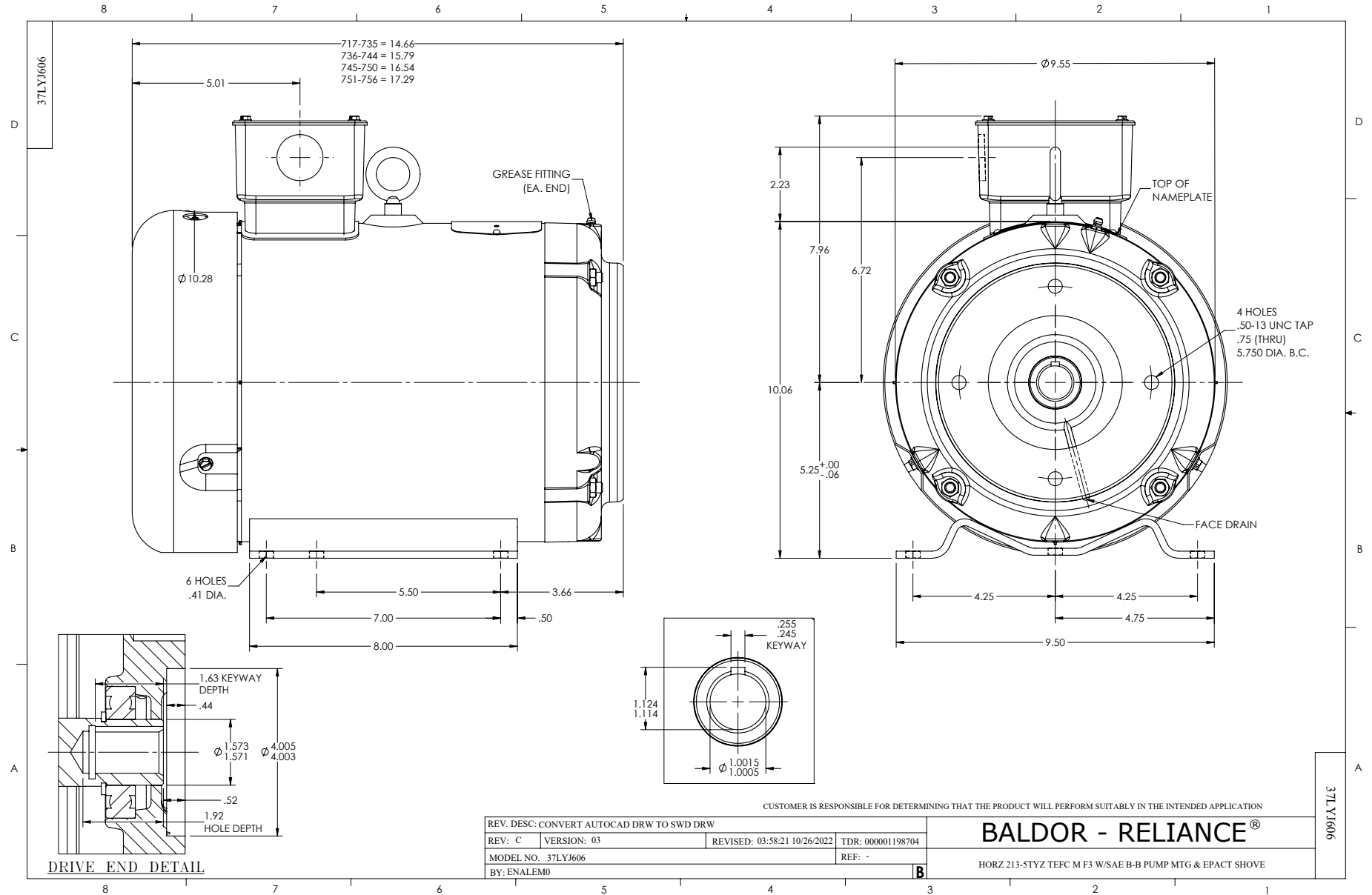
Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1770 RPM 460 V 3752M

TORQUES (LB-FT): PO=110 PU=58.7 LR=68 LRA=103



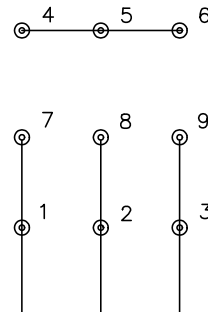
9/9/2024 ACPERF, record # 89631



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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS