

BALDOR® • RELIANCE 

Product Information Packet

FM2515T-8

20HP, 1760RPM, 3PH, 60HZ, 256T, 3762M, OPSB, F2

Part Detail							
Revision:	F	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGR294	CD Diagram:	CD0695	Mfg Plant:	
Mech. Spec:	37J634	Layout:	37LYJ634	Poles:	04	Created Date:	05-17-2012
Base:	RG	Eff. Date:	03-08-2016	Leads:	6#10		

Specs			
Catalog Number:	FM2515T-8	Inverter Code:	Not Inverter
Enclosure:	OPSB	KVA Code:	E
Frame:	256T	Lifting Lugs:	Standard Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	20.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 10 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	200.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3762M
XP Division:	Not Applicable	Mounting Arrangement:	F2
Agency Approvals:	UR	Power Factor:	81
	CSA	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:	58.000 A @ 200.0 V	Shaft Ground Indicator:	No Shaft Grounding
Design Code:	B	Shaft Rotation:	Reversible

Drip Cover:	No Drip Cover	Shaft Slinger Indicator:	No Slinger
Duty Rating:	CONT	Speed Code:	Single Speed
Electrically Isolated Bearing:	Not Electrically Isolated	Motor Standards:	NEMA
Feedback Device:	NO FEEDBACK	Starting Method:	Part Winding
Front Face Code:	Standard	Thermal Device - Bearing:	None
Front Shaft Indicator:	None	Thermal Device - Winding:	None
Heater Indicator:	No Heater	Vibration Sensor Indicator:	No Vibration Sensor
Insulation Class:	F	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1256L										
CAT.NO.	FM2515T-8									
SPEC.	37J634R294H1									
HP	20									
VOLTS	200									
AMP	58									
RPM	1760									
FRAME	256T				HZ	60			PH	3
SER.F.	1.15		CODE	E	DES	B		CLASS	F	
NEMA-NOM-EFF	91		PF	81						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					
DE	6309				ODE	6206				
ENCL	OPSB		SN							

AC Induction Motor Performance Data

Record # 38445

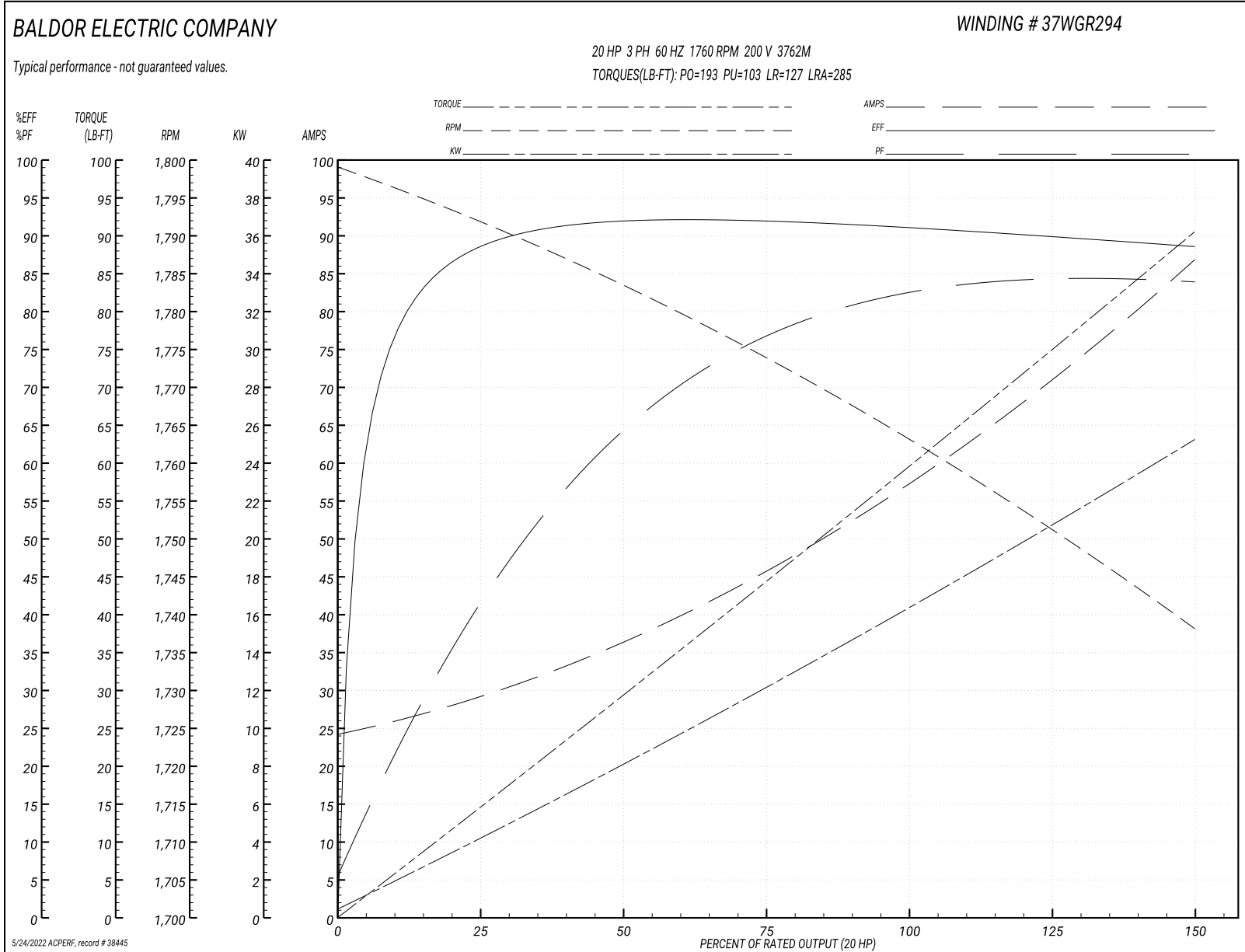
Typical performance - not guaranteed values

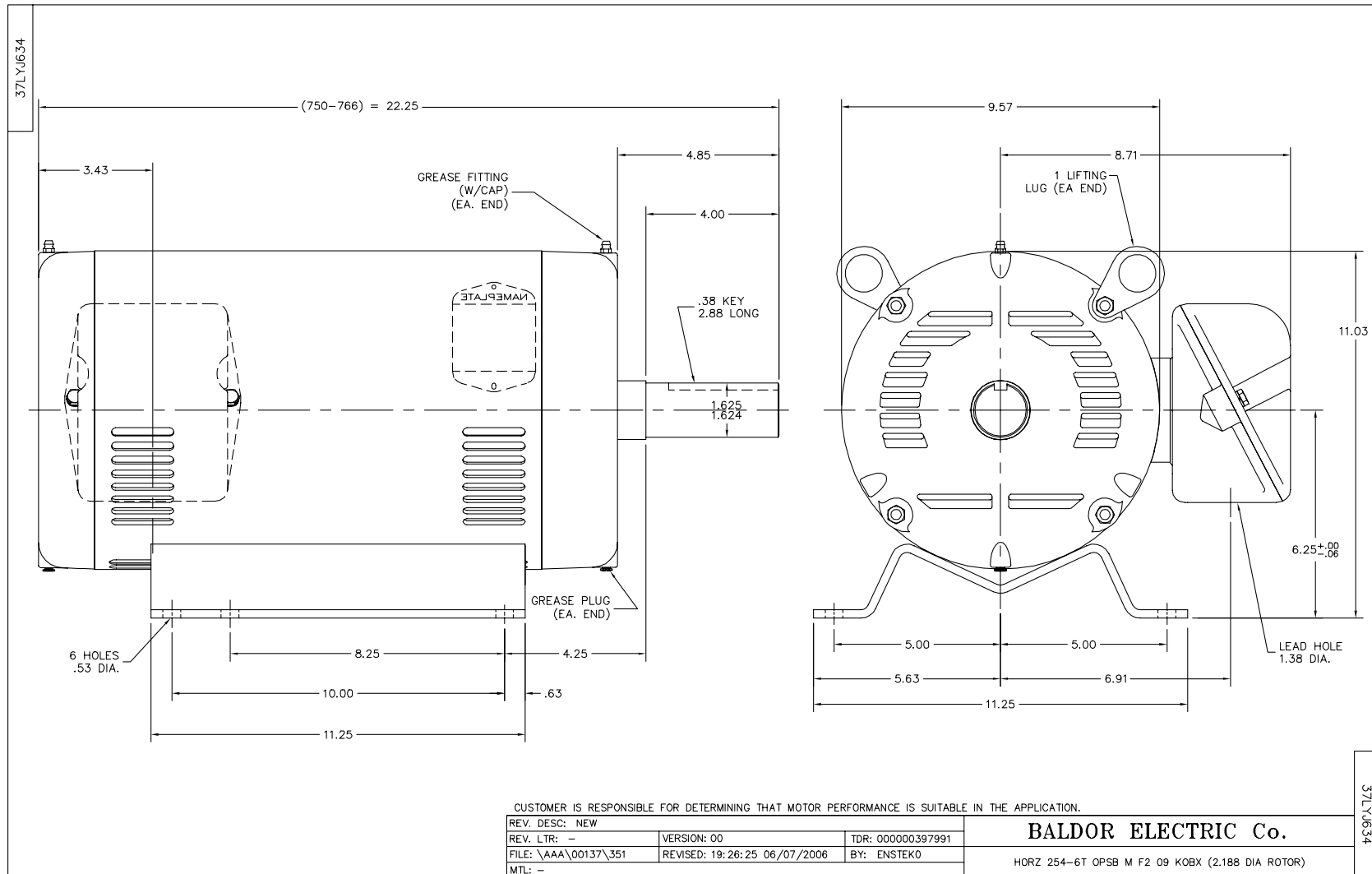
Winding: 37WGR294-R001		Type: 3762M		Enclosure: OPSB	
Nameplate Data			200 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)	20	Full Load Torque	59.2 LB-FT		
Volts	200	Start Configuration	direct on line		
Full Load Amps	58	Breakdown Torque	193 LB-FT		
R.P.M.	1760	Pull-up Torque	103 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	127 LB-FT	
NEMA Design Code	B KVA Code	E	Starting Current	285 A	
Service Factor (S.F.)	1.15	No-load Current	25.2 A		
NEMA Nom. Eff.	91 Power Factor	81	Line-line Res. @ 25°C	0.096 Ω	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	79°C	
S.F. Amps			Temp. Rise @ S.F. Load	96°C	
			Locked-rotor Power Factor	36	
			Rotor inertia	1.52 LB-FT ²	

Load Characteristics 200 V, 60 Hz, 20 HP

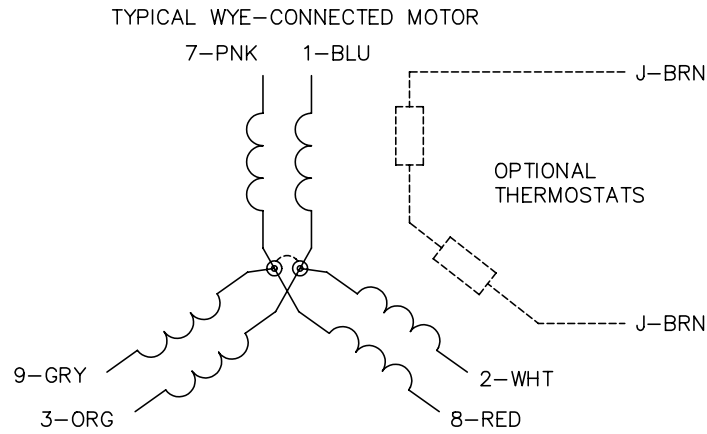
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	66	76	81	84	85	83
Efficiency	88.3	91.8	91.9	91.2	90.1	88.5	90.5
Speed	1792	1784	1774	1763	1752	1738	1756
Line amperes	27.9	35.4	45.9	57.8	71	86.3	65.7

Performance Graph at 200V, 60Hz, 20.0HP Typical performance - Not guaranteed values

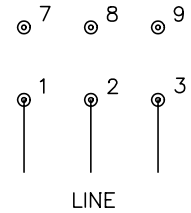




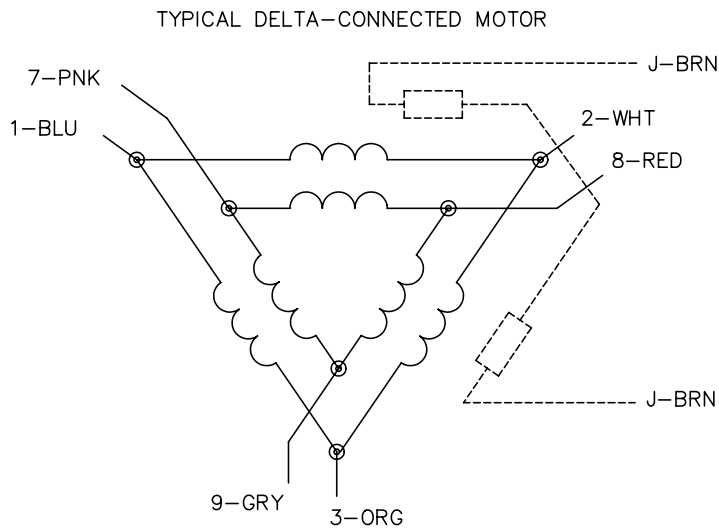
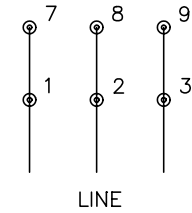
CD0695



START CONNECTION



RUN CONNECTION



NOTES:

1. MOTOR MAY BE WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: JLP	REVISED: 01/21/99 3:19	TDR: 0171435
9690D0		FILE: AAA00005151	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, PART WINDING START

CD0695