

BALDOR® • RELIANCE

Product Information Packet

EJMM4106T

20HP,3520RPM,3PH,60HZ,256JM,0936M,TEFC,F

Part Detail							
Revision:	S	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0936M	Elec. Spec:	09WGZ601	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	09P14	Layout:	09LYP014
Frame:	256JM	Mounting:	F1	Poles:	02	Created Date:	05-06-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-31-2017
Leads:	9#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441L

CAT.NO.	EJMM4106T									
SPEC.	09P014Z601G1									
HP	20									
VOLTS	230/460									
AMP	46/23									
RPM	3520									
FRAME	256JM					HZ	60		PH	3
SER.F.	1.15		CODE	H	DES	A		CL	F	
NEMA-NOM-EFF	91		PF	89						
RATING	40C AMB-CONT									
CC	010A					USABLE AT 208V 50				
DE	6309					ODE	6208			
ENCL	TEFC		SN							
VPWM INVERTER READY										
CT6-60H(10:1)VT3-60H(20:1)										

AC Induction Motor Performance Data

Record # 31396 - Typical performance - not guaranteed values

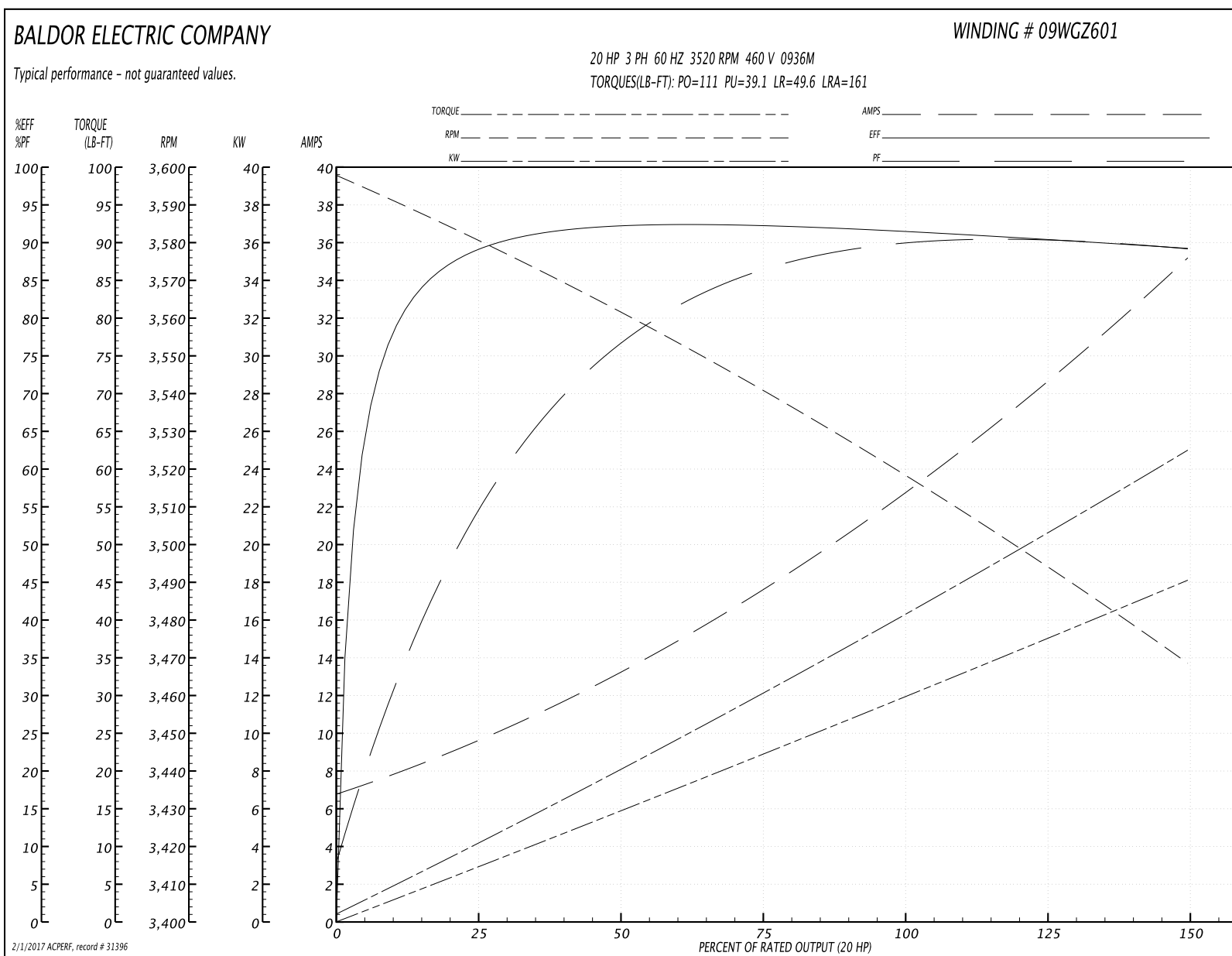
Winding: 09WGZ601-R001	Type: 0936M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	20			Full Load Torque	29.6 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	46/23			Breakdown Torque	111 LB-FT
R.P.M.	3520			Pull-up Torque	39.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	49.6 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	161 A
Service Factor (S.F.)	1.15			No-load Current	7.17 A
NEMA Nom. Eff.	91	Power Factor	89	Line-line Res. @ 25°C	0.47592 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	76°C
S.F. Amps				Temp. Rise @ S.F. Load	95°C
				Locked-rotor Power Factor	29
				Rotor inertia	0.92 LB-FT ²

Load Characteristics 460 V, 60 Hz, 20 HP

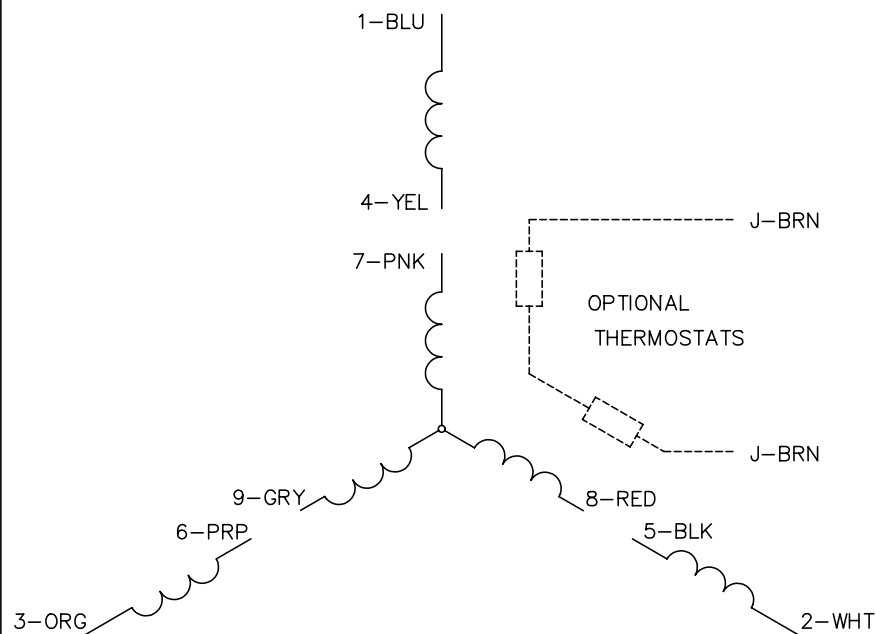
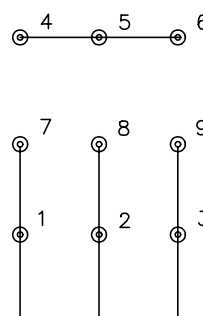
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	58	78	86	89	90	90	90
Efficiency	88.9	92.2	92.4	91.7	90.7	89.2	91.1
Speed	3579.6	3561.5	3541.3	3519.5	3495.4	3467.8	3505
Line amperes	9	13	17.7	22.9	28.6	35	26.3

Performance Graph at 460V, 60Hz, 20.0HP Typical performance - Not guaranteed values

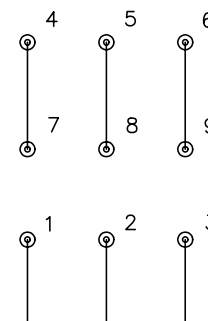




CD0005

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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005