

BALDOR® • RELIANCE

Product Information Packet

AEM4104-4

30HP,1775RPM,3PH,60HZ,326U,1250M,TEFC,F1

Part Detail							
Revision:	Y	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1250M	Elec. Spec:	12WGX202	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	12H79	Layout:	12LYH079
Frame:	326U	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-05-2017
Leads:	3#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1404E

CAT.NO.	AEM4104-4										
SPEC.	12H079X202G1										
VOLTS	460										
AMP	35										
RPM	1775					HP 30					
FRAME	326U				HZ 60			PH 3			
SER.F.	1.00				CODE G		DES B				CL F
NEMA-NOM-EFF	93.6				PF 86						
G.MIN.EFF	92.4				CC 010A						
RATING	65C AMB-CONT										
LUBRICATION	POLYREX EM										
DE	6312				ODE 6311						
ENCL	TEFC				SER. #						

AC Induction Motor Performance Data

Record # 3386 - Typical performance - not guaranteed values

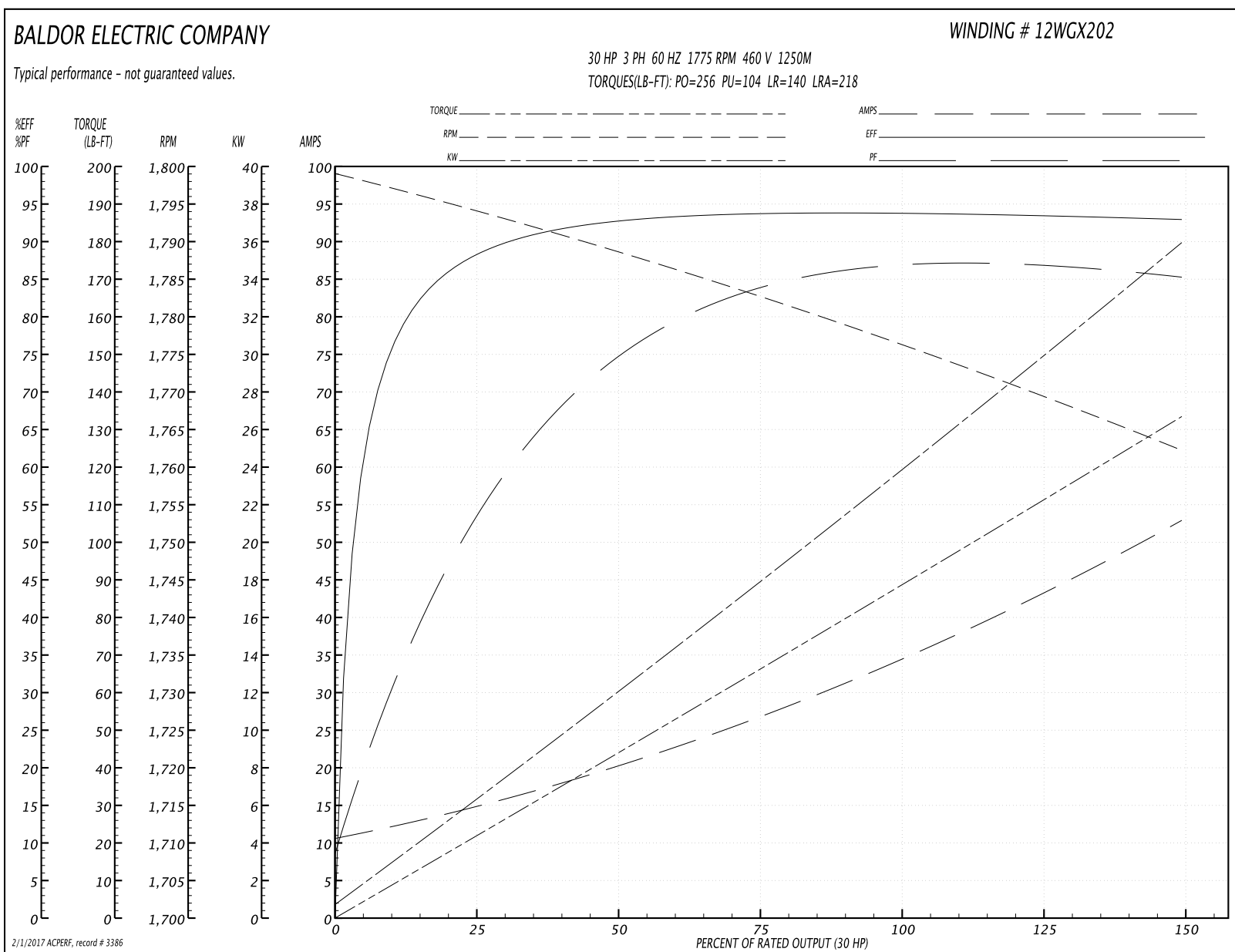
Winding: 12WGX202-R001	Type: 1250M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	30			Full Load Torque	89 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	35			Breakdown Torque	256 LB-FT
R.P.M.	1775			Pull-up Torque	104 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	140 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	218 A
Service Factor (S.F.)	1			No-load Current	11.2 A
NEMA Nom. Eff.	93.6	Power Factor	86	Line-line Res. @ 25°C	0.217 Ω
Rating - Duty	65C AMB-CONT			Temp. Rise @ Rated Load	54°C
				Locked-rotor Power Factor	27
				Rotor inertia	6.66 LB-FT ²

Load Characteristics 460 V, 60 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	57	77	84	86	87	86
Efficiency	88.3	92.7	93.7	93.8	93.5	92.9
Speed	1794	1789	1782	1776	1770	1762
Line amperes	14.2	19.9	27.1	35.2	43.5	52.5

Performance Graph at 460V, 60Hz, 30.0HP Typical performance - Not guaranteed values





CD0006

TYPICAL WYE-CONNECTED MOTOR

1-BLU

J-BRN

OPTIONAL THERMOSTATS

J-BRN

3-ORG

2-WHT

1

2

3

LINE

TYPICAL DELTA-CONNECTED MOTOR

1-BLU

J-BRN

OPTIONAL THERMOSTATS

J-BRN

2-WHT

3-ORG

NOTES:

1. THREE LEAD MOTOR MAY BE EITHER 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 BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS				BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 01/21/99 4:02	TDR: 0171435	
90000D		FILE: AAA00005141	MDL: -	
		MTL: -		

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006

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