

BALDOR® • RELIANCE

Product Information Packet

IDGMP2501

G.M. K28KF 230V AC 10:1 INVERTER DUTY

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	2528M	Elec. Spec:	25WGW289	CD Diagram:	CD0006A16
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	25E752W289G2
Frame:	PSL	Mounting:		Poles:	04	Created Date:	03-17-2006
Base:		Rotation:	R	Insulation:	F	Eff. Date:	04-11-2016
Leads:	3#18 UL3321,150C Y					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1598A12

CAT.NO.	IDGMP2501	SER.NO	
SPEC.	25E752W289G2		
VOLTS	230	IP	44
MAG CUR	1.2	SL HZ	4.7
RPM	1650	RPM MAX	3000
HP	.38HP	HZ	60
FLA	1.5	PH	3
RATING	40C AMB-CONT	WK2	0.0108
RATIO	10:1	CLASS	F
TORQ/IN LB	116	OUT/RPM	165
CTSR	3:1		
APRV-CSA		APRV-CE	
		APRV-UL	

Parts List		
Part Number	Description	Quantity
SA140793	SA 25E752W289G2	1.000 EA
RA130164	RA 25E752W289G2	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
HG0077A02CG	HSG,PSL EP 25AC SHORT HOUSING	1.000 EA
BMH1716	WASHER,PREC 1.175"X.751"X.020"	1.000 EA
HW5002A45	RETAINING RING,WALDES TRUARC N5002-118	1.000 EA
HW4600G58	SEAL,10X20X4MM PGS 25002184 VITON VT802	1.000 EA
HA4021A05	1/16 NPSF-HX SOC PIPE PLUG TAPER DRY SEA	1.000 EA
HW3064E05	1/8 X 1/2 PIN DRIVE LOK TYPE H	1.000 EA
CB0100B01G	CB,EXR 25 .88 LEAD EXIT F1 POSITION	1.000 EA
GS0120	GASKET,CONDUIT BOX FOR CB2000A17	1.000 EA
15XN0832A08	SCREW PAN HD 08-32 X 1/2 (PHILLIPS)	2.000 EA
CB0103A00G	CB,LID FOR CB0100 W/GRAY POWDER COATING	1.000 EA
GS0121A01	GASKET, LID FOR CB0100B00	1.000 EA
60XM0832A06	SCREW, PAN TORX 8-32X.375 THREAD FORMING	4.000 EA
25EP2113A23G	EP,25AC ODE GP EXR TEFC FAN COVER MTG &	1.000 EA
HW5109A08	WASHER, WAVE SPRING FOR 30MM BORE SMALLE	1.000 EA
55XT0632G03	6-32 X 0.187 RD HD PHILLIPS, SERRATED	1.000 EA
HA3170A14	THRUBOLT, FLAT HD. #8-32 THDS X 6.687 LO	2.000 EA
BFN3712	FAN,PM MOTOR STYLE R	1.000 EA
25FH4006A11G	HSG,FAN EXR W/2 HOLES FOR #8 THRU BOLTS	1.000 EA
12XN0832A16	8-32 X 1.00" SLT HEX HD ZINC PLATED	2.000 EA
SG0045A84	SHAFT,ASSY PSL SHORT INT1 2RED 2.0/5.0	1.000 EA
SG0045A85	SHAFT,ASSY PSL SHORT OUT 2RED 0.0/2.0	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
CG0012A01CG	CAP, PSL GEAR HEAD	1.000 EA
RM1020A22	O-RING .070 X 4.527	1.000 EA
BH1163A03	SCE1212 INA NEEDLE ROLLER BBG1027	1.000 EA
HW4600G71	SEAL, .750 X 1.250 X .250 SGL LIP FT802	1.000 EA
60XM2520A12	SCREW,PAN TORX 1/4-20X.750 THREAD FORMIN	4.000 EA
BMH1910	KEY 3/16X3/16X1 1/8 AUTO X	1.000 EA
MJ1000B02	KLUB. GH6-460 GEAR OIL 1 GALLON	0.112 GA
NP1598A12	NP,AC INV AD NONE V CE CSA UL GEAR MO	1.000 EA
LB1451	WARNING LABEL, CE WARNING SYMBOLS ONLY	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
CPA1000	PACKING GROUP STD. SINGLE	1.000 EA
ME4000	.375-.75" DIA.#SW-04 WOVEN SHAFT PROTECT	0.125 FT

AC Induction Motor Performance Data

Record # 17811 - Typical performance - not guaranteed values

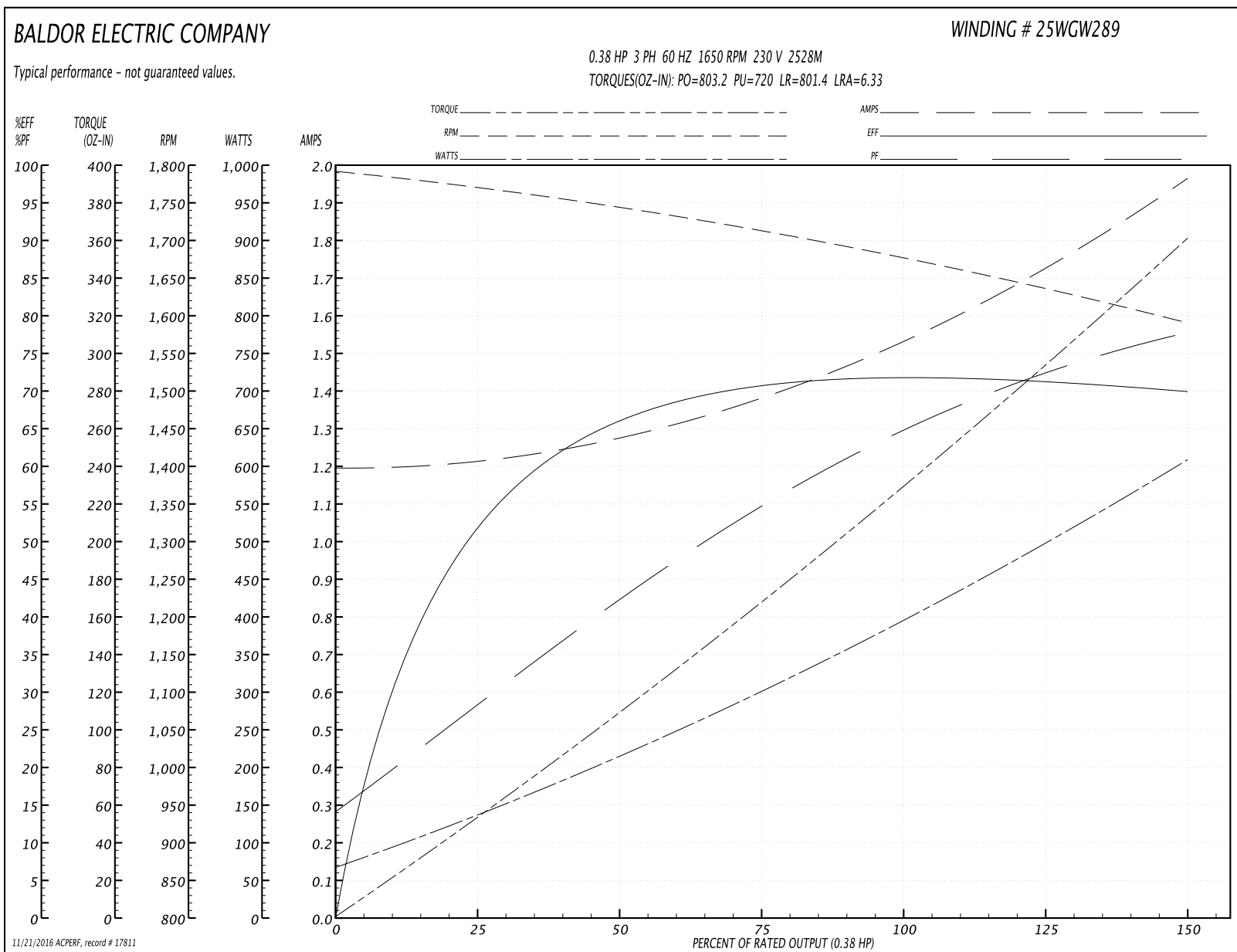
Winding: 25WGW289-R001	Type: 2528M	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	0.38			Full Load Torque	228.6 OZ-IN
Volts	230			Start Configuration	WYE start
Full Load Amps	1.5			Breakdown Torque	803.2 OZ-IN
R.P.M.	1650			Pull-up Torque	720 OZ-IN
Hz	60	Phase	3	Locked-rotor Torque	801.4 OZ-IN
NEMA Design Code	-	KVA Code	L	Starting Current	6.33 A
Service Factor (S.F.)	1.25			No-load Current	1.19 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	13.578 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps	1.72			Temp. Rise @ S.F. Load	57°C
				Locked-rotor Power Factor	81
				Rotor inertia	24.9 LB-FT ²

Load Characteristics 230 V, 60 Hz, 0.38 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	43	55	64	72	78	72
Efficiency	49.3	65.4	71.3	72.2	71.6	69.6	71.6
Speed	1769	1743	1712	1678	1638	1589	1638
Line amperes	1.22	1.28	1.38	1.53	1.72	1.97	1.72

Performance Graph at 230V, 60Hz, 0.38HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 19751 - Typical performance - not guaranteed values

Winding: 25WGW289-R001	Type: 2528M	Enclosure: TEFC
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Volts	230			Start Configuration	WYE start
Full Load Amps	1.5			Breakdown Torque	803.2 OZ-IN
R.P.M.	1650			Pull-up Torque	720 OZ-IN
Hz	60	Phase	3	Locked-rotor Torque	801.4 OZ-IN
NEMA Design Code	-	KVA Code	L	Starting Current	6.33 A
Service Factor (S.F.)	1.25			No-load Current	1.19 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	13.578 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps	1.72			Temp. Rise @ S.F. Load	57°C
				Locked-rotor Power Factor	81
				Rotor inertia	24.9 LB-FT ²

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Performance Graph at 230V, 60Hz, 0.38HP Typical performance - Not guaranteed values

