



Product Information Packet

CL5007-I

.75HP,1725RPM,1PH,60HZ,56C,3528L,XPFC,F1

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGP831	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:	35X723	Layout:	35LYX723	Poles:	04	Created Date:	10-01-2008
Base:	RG	Eff. Date:	12-12-2017	Leads:	6#18		

Specs			
Catalog Number:	CL5007-I	Insulation Class:	F
Enclosure:	XPFC	Inverter Code:	Not Inverter
Frame:	56C	KVA Code:	M
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.750 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	208.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3528L
XP Class and Group:	CLI GP C,D	Mounting Arrangement:	F1
XP Division:	Division I	Power Factor:	70
Agency Approvals:	UL	Product Family:	Hazardous Location Motor
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding

Current @ Voltage:	10.600 A @ 115.0 V	Shaft Rotation:	Reversible
	5.300 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
	5.300 A @ 230.0 V	Speed Code:	Single Speed
Design Code:	N	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	NONE (OLD)
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	Normally Closed Thermostat
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None
Heater Indicator:	No Heater	XP Temp Code:	T3C

Nameplate NP0977XPSL

NO.				CC			
SER.				TEMP CODE	T3C		
SPEC.	35X723P831G1						
CAT.NO.	CL5007-I						
HP	.75						
VOLTS	115/208-230						
AMPS	10.6/5.3						
RPM	1725			MOTOR WEIGHT	60		
HERTZ	60	PH	1	CL	F	DE BRG	6205
SER.F.	1.15	DES	N	CODE	M	ODE BRG	6203
FRAME	56C	GREASE		POLYREX EM			
RATING	40C AMB-CONT						
USABLE AT 208V				NEMA-NOM-EFF	68	PF	70
	NEMA MG-1 PT 5,IP55						

Parts List		
Part Number	Description	Quantity
SA177069	SA 35X723P831G1	1.000 EA
RA165122	RA 35X723P831G1	1.000 EA
EC1324A02	ELEC CAP, 324-389 MFD, 125V, 1.48D X 3.	2.000 EA
35CB1005A01	CONDUIT BOX,MACH - GROUP "C" MTRS	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW4506A02	BREATHER/DRAIN-EXP PROOF-.125-27 NPTF AI	1.000 EA
HW3022E05	.125 DIA X .500 ROLLED SPRING PIN	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35EP3700B07	FR ENDPLATE, XPFC - GROUP C, W/ DRAIN	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP1704A39	PUEP 205 BRG XP GRP C W/SLINGER, DRAIN	1.000 EA
HW4506A02	BREATHER/DRAIN-EXP PROOF-.125-27 NPTF AI	1.000 EA
HW3022E05	.125 DIA X .500 ROLLED SPRING PIN	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HW4001A01	1/4 HX SOC PIPE PLG (F/S) ALLOY STEEL W/	2.000 EA
60XN1032A07	10-32 X .4375 TRUSS HEAD, TORX SERRATED	2.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A44	FH NO GREASER & SPL NOTCH @ 7	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB1501A01	CONDUIT BOX LID, MACH. - GROUP "C" MTRS	1.000 EA
RM1020A41	O-RING, -150 BUNA-N, .103 CS X 2.862 ID	1.000 EA
HA2071A02	SLINGER ALUM (AUTO)	1.000 EA
80XN1032A04	10-32 X 1/4 SET SCREW	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
LB1359F	ALUM XP CAUTION LABEL	1.000 EA
HA6003A52	CLAMP, CAPACITOR, WHITE ZINC PLATED	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.017 GA
SP5055A11	MODEL 35 TYPE L STATIONARY SWITCH WITH L	1.000 EA
HA3104A08	THRUBOLT-5/16-18X9.375 X X	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0081	CONNECTION LABEL X	1.000 EA
NP0977XPSL	SS XP UL CSA CC CL-I GP-C&D	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 32160 - Typical performance - not guaranteed values

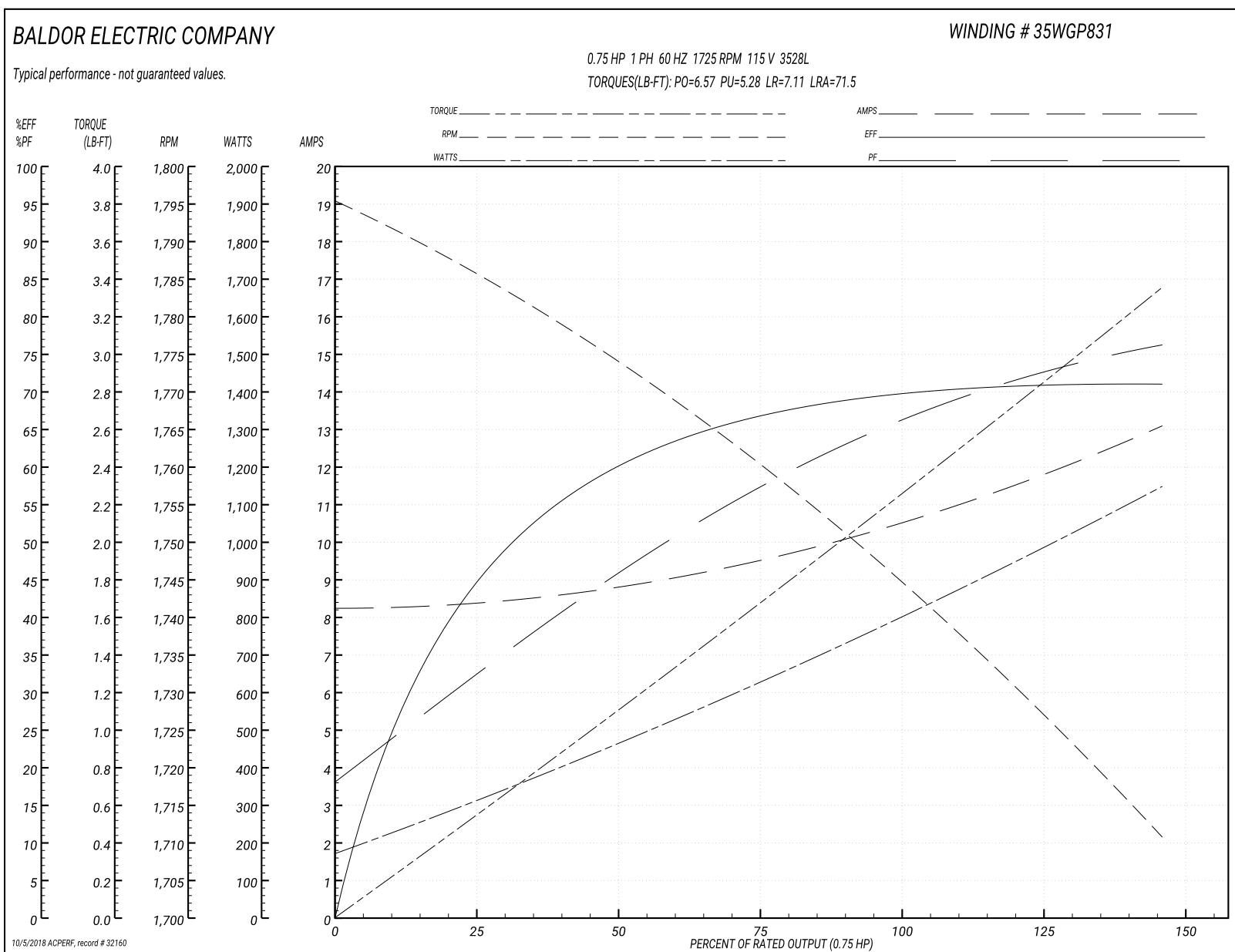
Winding: 35WGP831-R002	Type: 3528L	Enclosure: XPFC
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.24 LB-FT
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	10.6/5.3			Breakdown Torque	6.57 LB-FT
R.P.M.	1725			Pull-up Torque	5.28 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7.11 LB-FT
NEMA Design Code	N	KVA Code	M	Starting Current	71.5 A
Service Factor (S.F.)	1.15			No-load Current	8.25 A
NEMA Nom. Eff.	68	Power Factor	70	Line-line Res. @ 25°C	0.716 Ω A Ph 1.61 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
S.F. Amps				Temp. Rise @ S.F. Load	66°C

Load Characteristics 115 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	47	57	66	72	77	70
Efficiency	44.6	59.8	67.1	70	71.3	70.7	70.8
Speed	1785	1773	1760	1746	1729	1710	1736
Line amperes	8.38	8.81	9.54	10.5	11.7	13.1	11.2

Performance Graph at 115V, 60Hz, 0.75HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 36568 - Typical performance - not guaranteed values

Winding: 35WGP831-R002	Type: 3528L	Enclosure: XPFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.24 LB-FT
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	10.6/5.3			Breakdown Torque	6.57 LB-FT
R.P.M.	1725			Pull-up Torque	5.28 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7.11 LB-FT
NEMA Design Code	N	KVA Code	M	Starting Current	35.75 A
Service Factor (S.F.)	1.15			No-load Current	4.13 A
NEMA Nom. Eff.	68	Power Factor	70	Line-line Res. @ 25°C	2.86 Ω A Ph 1.61 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
S.F. Amps				Temp. Rise @ S.F. Load	66°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	47	57	66	72	77	70
Efficiency	44.6	59.8	67.1	70	71.3	70.7	70.8
Speed	1785	1773	1760	1746	1729	1710	1736
Line amperes	4.19	4.41	4.77	5.25	5.85	6.55	5.6

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values

