



Product Information Packet

CESSWDM3613T

5HP,3480RPM,3PH,60HZ,184TC,3636M,TEFC,F1

Part Detail							
Revision:	AB	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGT873	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36L738	Layout:	36LYL738	Poles:	02	Created Date:	07-12-2006
Base:	RG	Eff. Date:	01-15-2018	Leads:	9#16		

Specs			
Catalog Number:	CESSWDM3613T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Ready
Frame:	184TC	KVA Code:	M
Frame Material:	Stainless Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	5.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3636M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	91
	UR	Product Family:	Wash Down All Stainless Steel
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
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:	11.400 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	12.500 A @ 208.0 V	Shaft Rotation:	Reversible
	5.700 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	A	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	NONE (OLD)
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1953B01

CAT.NO.	CESSWDM3613T												
SPEC.	36L738T873G1												
HP	5												
VOLTS	230/460												
AMP	11.4/5.7												
RPM	3480												
FRAME	184TC					HZ		60			PH		3
SER.F.	1.15			CODE		M	DES		A	CLASS		F	
NEMA-NOM-EFF	90.2				PF		91						
RATING	40C AMB-CONT												
CC	010A				USABLE AT 208V						12.5		
DE	6206				ODE		6205						
ENCL	TEFC		SN										

Parts List		
Part Number	Description	Quantity
SA147552	SA 36L738T873G1	1.000 EA
RA136593	RA 36L738T873G1	1.000 EA
34FN3002B02	EXTERNAL FAN, PLASTIC, .905/.907 HUB W/	1.000 EA
36CB1003A01	CONDUIT BOX	1.000 EA
36GS1025	36 MOLDED GASKET W/LIP, LEAD SEAL, FOR	1.000 EA
10XN2520A10	1/4-20X 5/8 HEX HD X	2.000 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
36FE1907A01	FR EP ASSY W/EP FROM SOUTHERN TOOL STAIN	1.000 EA
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE1908A03	PU ENDPLATE ASSY	1.000 EA
10XN2520S28	1/4-20X 1 3/4 HEX HD SS X	4.000 EA
HA1049A02	DUBO LOK WASHER SIZE 1/4 (NYLON LOCK SEA	4.000 EA
HA1049A02	DUBO LOK WASHER SIZE 1/4 (NYLON LOCK SEA	4.000 EA
36FH4011	WASHDOWN FAN COVER #304 STAINLESS W/NOTC	1.000 EA
10XN1032S06	HEX HD CAP SCREW, SS	3.000 EA
36CB4517	LIPPED CB LID #304 STAINLESS - CLEANED	1.000 EA
37GS3010SP	1/16"WHITE LID GASKET	1.000 EA
59XN0832S07	8/32 X 7/16 HX WS HD SER X	4.000 EA
HW4606A03	JM CLIPPER/SEAL (LWE-1156-1875-AL44)	1.000 EA
HW2502E16	#303 SS,SQ KEY 1/4 X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
HW3200S01	EYEBOLT 3/8-16 X3/4 S.S. TDR #35988	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
HA3101S29	THRUBOLT- 1/4-20X13.00 SS	4.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 35750 - Typical performance - not guaranteed values

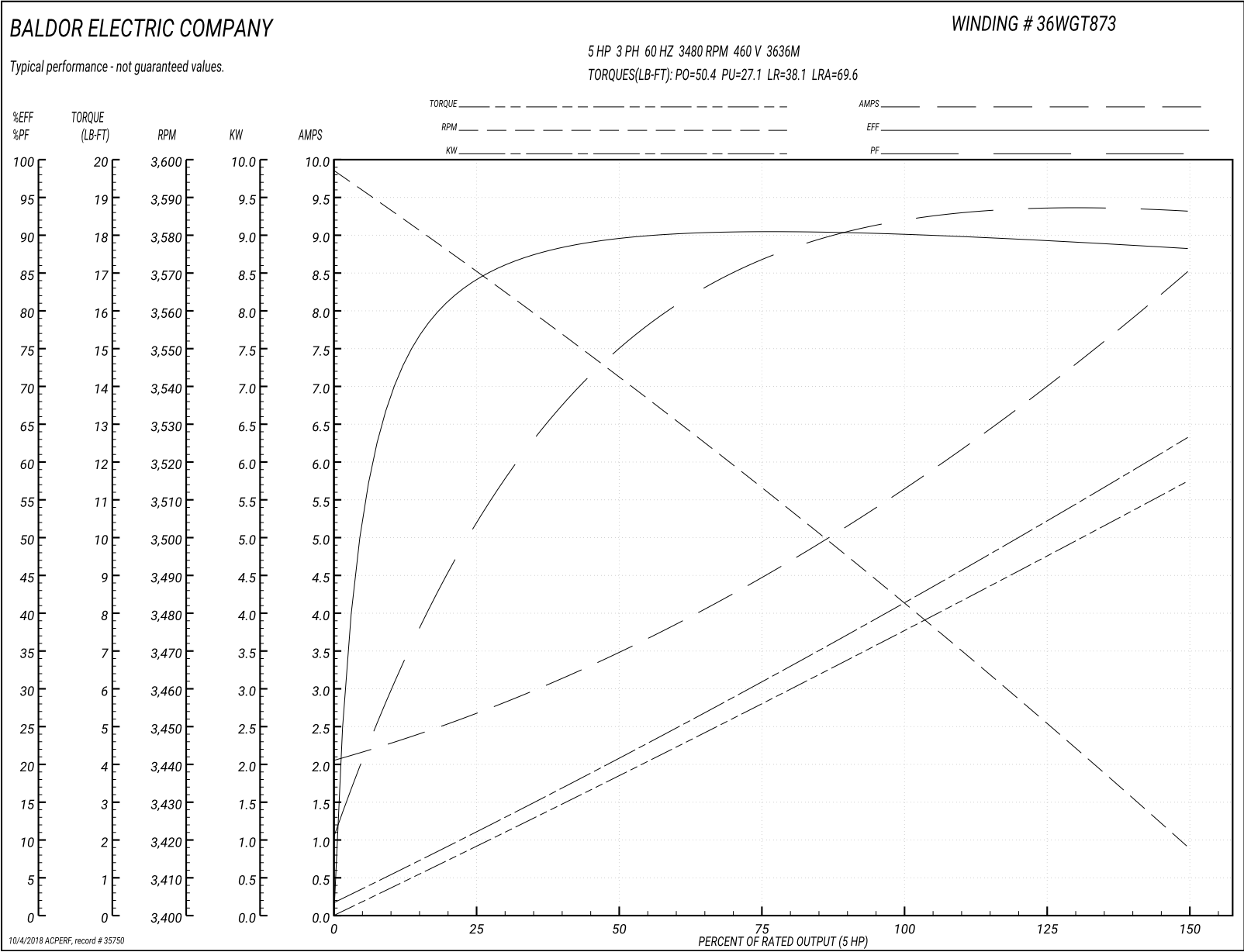
Winding: 36WGT873-R003	Type: 3636M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	7.55 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	11.4/5.7			Breakdown Torque	50.4 LB-FT
R.P.M.	3480			Pull-up Torque	27.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	38.1 LB-FT
NEMA Design Code	A	KVA Code	M	Starting Current	69.6 A
Service Factor (S.F.)	1.15			No-load Current	2.11 A
NEMA Nom. Eff.	90.2	Power Factor	91	Line-line Res. @ 25°C	1.87 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	82°C
S.F. Amps				Temp. Rise @ S.F. Load	99°C
				Locked-rotor Power Factor	43
				Rotor inertia	0.161 LB-FT ²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	54	76	87	91	93	94	92
Efficiency	83.4	88.9	90.4	90.4	89.7	88	90
Speed	3568	3541	3514	3484	3451	3417	3464
Line amperes	2.61	3.44	4.49	5.71	7.05	8.48	6.51

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 53413 - Typical performance - not guaranteed values

Winding: 36WGT873-RXXX	Type: 3636M	Enclosure: TEFC
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Nameplate Data				400 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	5.41 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	11.4/5.7			Breakdown Torque	53.2 LB-FT
R.P.M.	3480			Pull-up Torque	33 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	46.3 LB-FT
NEMA Design Code	A	KVA Code	M	Starting Current	70.7 A
Service Factor (S.F.)	1.15			No-load Current	2.32 A
NEMA Nom. Eff.	90.2	Power Factor	91	Line-line Res. @ 25°C	1.87 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	57°C
S.F. Amps				Temp. Rise @ S.F. Load	66°C
				Locked-rotor Power Factor	49.5
				Rotor inertia	0.161 LB-FT ²

Load Characteristics 400 V, 50 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	66	79	86	89	92	88
Efficiency	74.2	83.2	86.7	87.9	88.2	87.2	88.1
Speed	2976	2957	2939	2918	2896	2873	2905
Line amperes	2.53	2.92	3.54	4.3	5.14	6.05	4.8

Performance Graph at 400V, 50Hz, 3.0HP Typical performance - Not guaranteed values

