



Product Information Packet

HM9132T

10HP,1770RPM,3PH,60HZ,215T,3740M,TEFC,F1

Part Detail							
Revision:	B	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGS275	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37H310	Layout:	37LYH310	Poles:	04	Created Date:	07-18-2007
Base:	RG	Eff. Date:	09-28-2010	Leads:	9#14		

Specs			
Catalog Number:	HM9132T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	215T	KVA Code:	K
Output @ Frequency:	10.000 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	208.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3740M
Agency Approvals:	CSA	Mounting Arrangement:	F1
	UR	Power Factor:	77
Auxillary Box:	No Auxillary Box	Product Family:	General Purpose
Auxillary Box Lead Termination:	None	Pulley End Bearing Type:	Ball
Base Indicator:	Rigid	Pulley Face Code:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Shaft Indicator:	Standard
Blower:	None	Rodent Screen:	None
Current @ Voltage:	13.500 A @ 460.0 V	Shaft Extension Location:	Pulley End
	27.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

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

Nameplate NP2094C01B03

CAT.NO.																
SPEC.	37H310S275H1															
HP	10															
VOLTS	208-230/460															
AMPS	28-27/13.5															
RPM	1770															
FRAME	215T				HZ				60		PH		3			
SER.F.	1.15				CODE		K		DES		A		CL		F	
NEMA-NOM-EFF	89.5				PF		77									
RATING	40C AMB-CONT															
CC	010A								USABLE AT 208V							
DE	6307								ODE		6206					
AUTO	N				MANUAL		N				NONE		Y			
ENCL	TEFC				SN											

Parts List		
Part Number	Description	Quantity
SA160701	SA 37H310S275H1	1.000 EA
RA149286	RA 37H310S275H1	1.000 EA
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
S/P101-000-000	EPACT PROCEDURES-FS PLANT-POLYREX EM, NO	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3004	37 CB CASTING W/1.09 LEAD HOLE @ 6:00	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A04	FR ENDPLATE, MACH	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3100A02	PU ENDPLATE, MACH	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
07FH4007A07	IEC FH NO GRSR, NOTCH @ 6:00 & 3 F/C HOL	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	3.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
37GS1008	37 GS FOR CB LID - LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1000G55	PAINT,WILKO 682.62 LACQUER LIGHT GRAY	0.028 GA

Parts List (continued)		
Part Number	Description	Quantity
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 EA
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	1.000 EA
NP2094C01B03	MYLAR HVAC UL CSA CC CD0005 INV READY	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-3301	C FACE KIT	P1

AC Induction Motor Performance Data

Record # 24713

Typical performance - not guaranteed values

Winding: 37WGS275-R001			Type: 3740M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		10	Full Load Torque		29.5 LB-FT		
Volts		208-230/460	Start Configuration		direct on line		
Full Load Amps		28-27/13.5	Breakdown Torque		121 LB-FT		
R.P.M.		1770	Pull-up Torque		53.6 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		68.8 LB-FT	
NEMA Design Code		A	KVA Code	K	Starting Current		107 A
Service Factor (S.F.)		1.15		No-load Current		7.31 A	
NEMA Nom. Eff.		89.5	Power Factor	77	Line-line Res. @ 25°C		1.16 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		78°C	
S.F. Amps				Temp. Rise @ S.F. Load		94°C	
				Locked-rotor Power Factor		41	
				Rotor inertia		0.984 LB-FT2	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	58	70	77	81	83	79
Efficiency	81.4	88.2	89.6	89.7	89	88	89.3
Speed	1793	1785	1777	1769	1760	1751	1764
Line amperes	7.82	9.21	11	13.5	16.2	19	15.1

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values

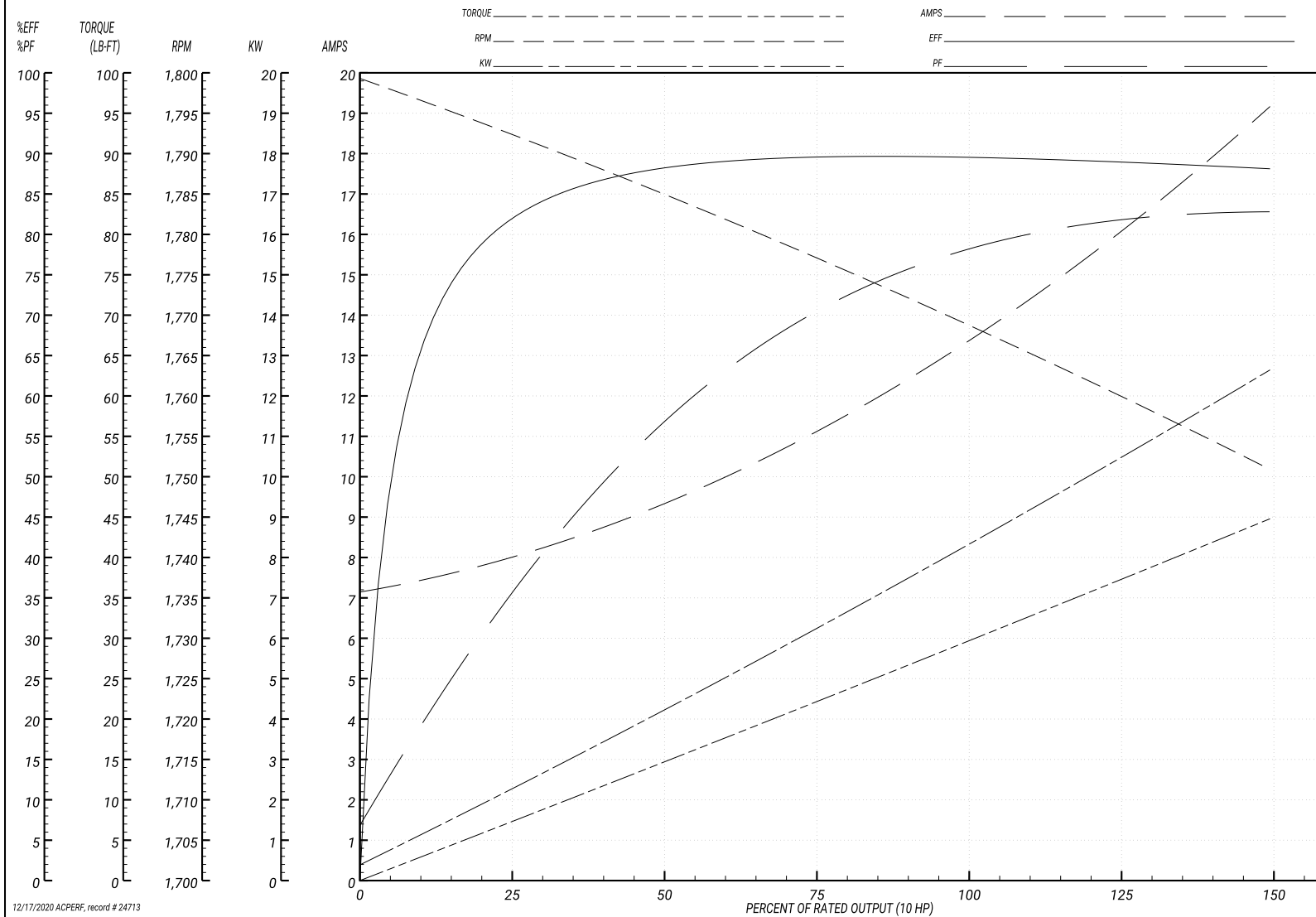
ABB Motors and Mechanical Inc.

WINDING # 37WGS275

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1770 RPM 460 V 3740M

TORQUES(LB-FT): PO=121 PU=53.6 LR=68.8 LRA=107



12/17/2020 ACPERF, record # 24713



