

BALDOR® • RELIANCE 

Product Information Packet

EM3702T

2HP,865RPM,3PH,60HZ,213T,3732M,TEFC,F1,N

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGS277	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37G813	Layout:	37LYG813	Poles:	08	Created Date:	04-07-2015
Base:	RG	Eff. Date:	07-18-2019	Leads:	9#14		

Specs			
Catalog Number:	EM3702T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	213T	IP Rating:	NONE
Frame Material:	Steel	KVA Code:	H
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	2.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	900 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 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:	3732M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	62
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
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:	7.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	7.200 A @ 208.0 V	Shaft Rotation:	Reversible
	3.500 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	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
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 NP2116L										
CAT.NO.	EM3702T									
SPEC.	37G813S277G1									
HP	2									
VOLTS	230/460									
AMP	7/3.5									
RPM	865									
FRAME	213T				HZ	60			PH	3
SER.F.	1.15		CODE	H	DES	B		CL	F	
NEMA-NOM-EFF	84		PF	62						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					N/A
DE	6307			ODE	6206					
ENCL	TEFC		SN							

AC Induction Motor Performance Data

Record # 49983

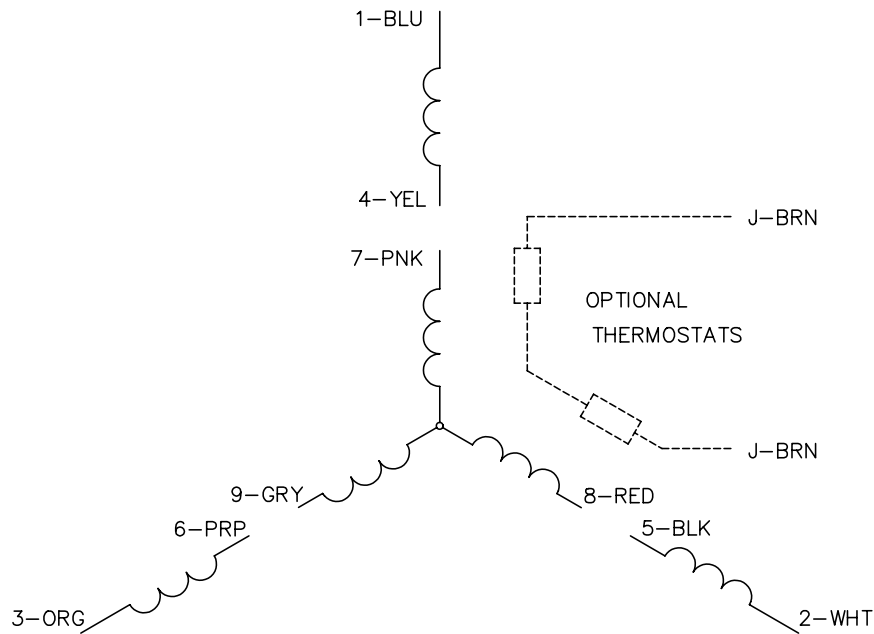
Typical performance - not guaranteed values

Winding: 37WGS277-R008		Type: 3732M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	2	Full Load Torque	11.9 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	7/3.5	Breakdown Torque	29 LB-FT		
R.P.M.	865	Pull-up Torque	16.9 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	18.2 LB-FT	
NEMA Design Code	B KVA Code	H	Starting Current	16 A	
Service Factor (S.F.)	1.15		No-load Current	2.17 A	
NEMA Nom. Eff.	84 Power Factor	62	Line-line Res. @ 25°C	5.9 Ω	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	36°C	
S.F. Amps			Temp. Rise @ S.F. Load	43°C	
			Locked-rotor Power Factor	34.8	
			Rotor inertia	0.796 LB-FT ²	

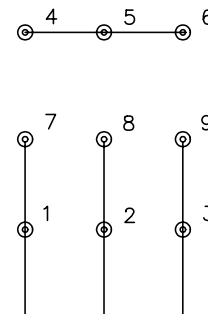
Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	26	43	54	62	66	69	64
Efficiency	75.5	83.7	85.9	85	84.1	81.8	84.5
Speed	892	884	876	866	854	838	859
Line amperes	2.28	2.57	2.98	3.51	4.18	4.94	3.91

CD0005

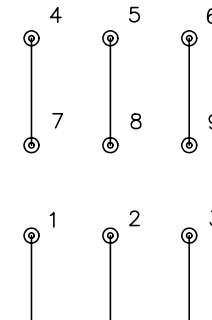


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005