BALDOR • RELIANCE

Product Information Packet

M2394

15HP,3480RPM,3PH,60HZ,256U,0748M,TEFC,F1

Part Detail

Revision:	G	**Status:**	INA/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	07WGY304	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	07H362	**Layout:**	07LYH362	**Poles:**	02	**Created Date:**	07-05-2012
Base:	RG	**Eff. Date:**	09-21-2016	**Leads:**	9#14		

Specs

Catalog Number:	M2394	**Heater Indicator:**	No Heater
Enclosure:	TEFC	**Insulation Class:**	F
Frame:	256U	**Inverter Code:**	Inverter Ready
Frame Material:	Iron	**KVA Code:**	H
Motor Letter Type:	Three Phase	**Lifting Lugs:**	Standard Lifting Lugs
Output @ Frequency:	15.000 HP @ 60 HZ	**Locked Bearing Indicator:**	No Locked Bearing
Synchronous Speed @ Frequency:	3600 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
	208.0 V @ 60 HZ	**Motor Type:**	0748M
XP Class and Group:	None	**Mounting Arrangement:**	F1
XP Division:	Not Applicable	**Power Factor:**	90
Agency Approvals:	CSA	**Product Family:**	General Purpose
	UR	**Pulley End Bearing Type:**	Ball
Auxillary Box:	No Auxillary Box	**Pulley Face Code:**	Standard
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
Current @ Voltage:	38.000 A @ 208.0 V
	34.400 A @ 230.0 V
	17.200 A @ 460.0 V
Design Code:	A
Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Standard
Front Shaft Indicator:	None

Shaft Ground Indicator:	No Shaft Grounding
Shaft Rotation:	Reversible
Shaft Slinger Indicator:	No Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
Starting Method:	Direct on line
Thermal Device - Bearing:	None
Thermal Device - Winding:	None
Vibration Sensor Indicator:	No Vibration Sensor
Winding Thermal 1:	None
Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.								
SPEC.	07H362Y304H1							
HP	15							
VOLTS	208-230/460							
AMP	38-34.4/17.2							
RPM	3480							
FRAME	256U	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	H	**DES**	A	**CLASS**	F	
NEMA-NOM-EFF	90.2	**PF**	90					
RATING	40C AMB-CONT							
CC	010A					**USABLE AT 208V**	N/A	
DE	6309			**ODE**	6307			
ENCL	TEFC	**SN**						

AC Induction Motor Performance Data
Record # 38140
Typical performance - not guaranteed values

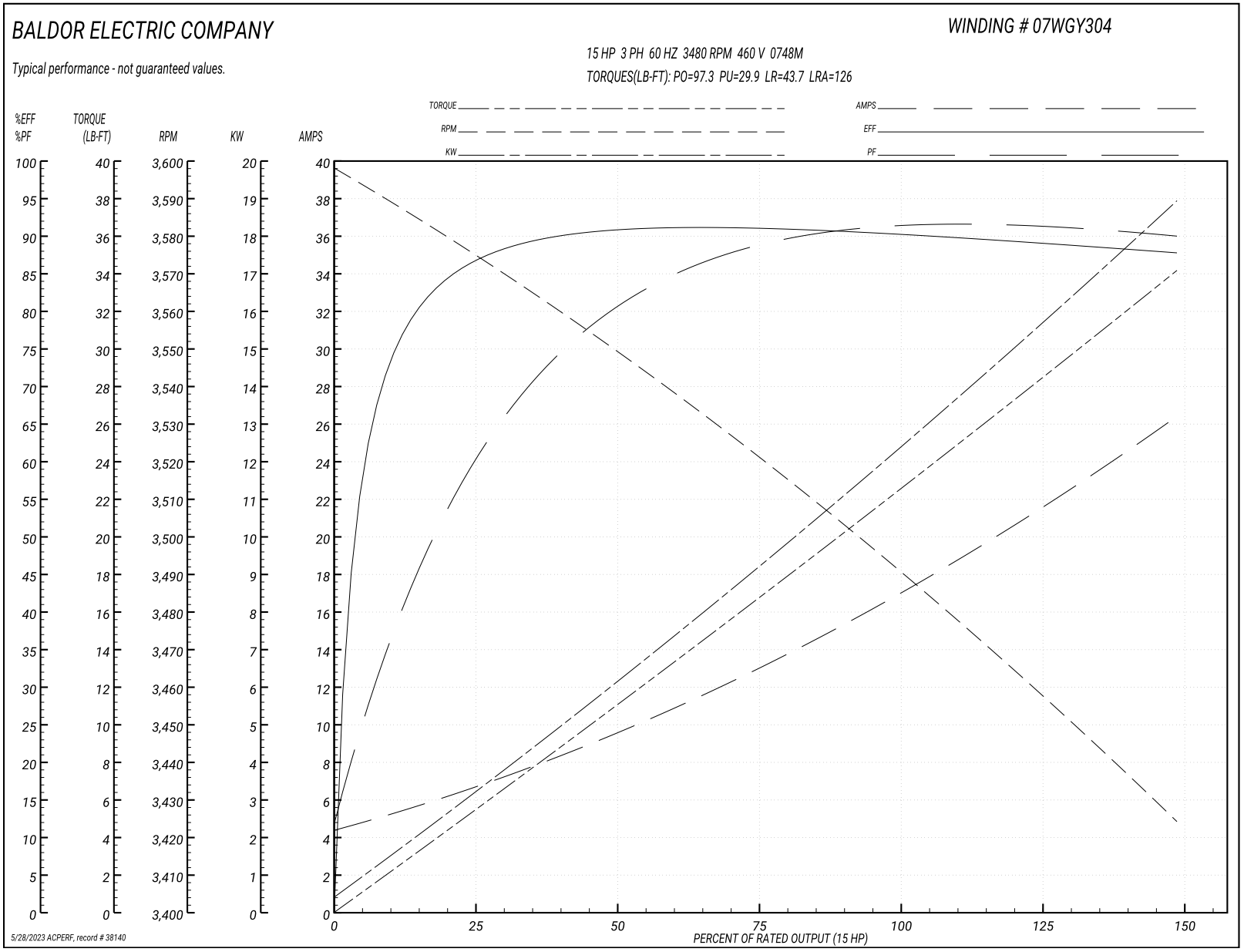
Winding: 07WGY304-R001	**Type:** 0748M	**Enclosure:** TEFC

Nameplate Data			**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		15	**Full Load Torque**	22.4 LB-FT
Volts		208-230/460	**Start Configuration**	direct on line
Full Load Amps		38-34.4/17.2	**Breakdown Torque**	97.3 LB-FT
R.P.M.		3480	**Pull-up Torque**	29.9 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	43.7 LB-FT
NEMA Design Code	A **KVA Code**	H	**Starting Current**	126 A
Service Factor (S.F.)		1.15	**No-load Current**	4.65 A
NEMA Nom. Eff.	90.2 **Power Factor**	90	**Line-line Res. @ 25ºC**	0.56469 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	59°C
S.F. Amps			**Temp. Rise @ S.F. Load**	73°C
			Locked-rotor Power Factor	30
			Rotor inertia	0.437 LB-FT2

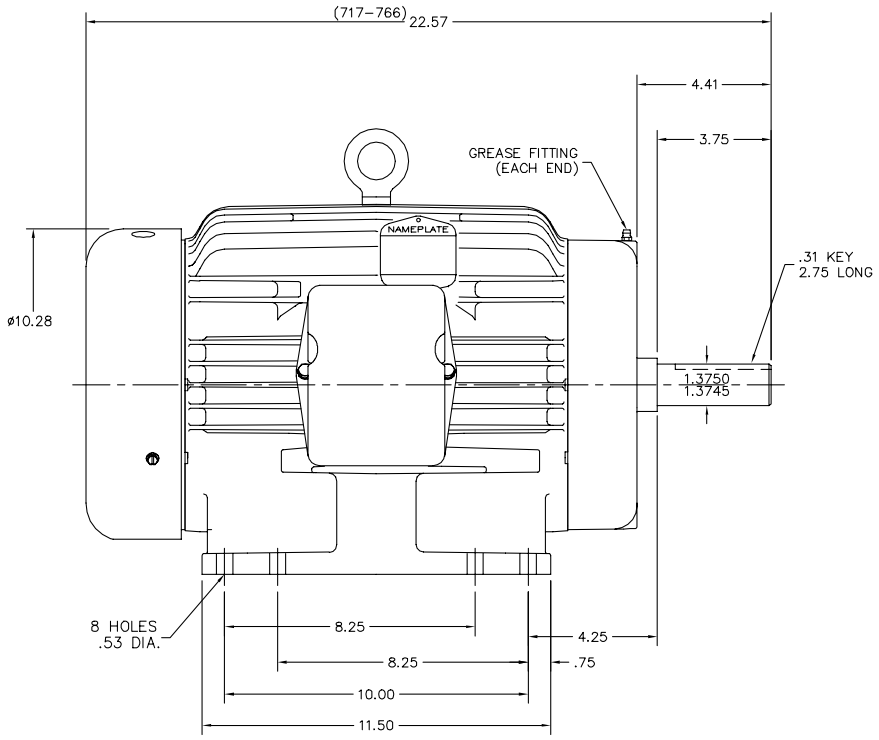
Load Characteristics 460 V, 60 Hz, 15 HP

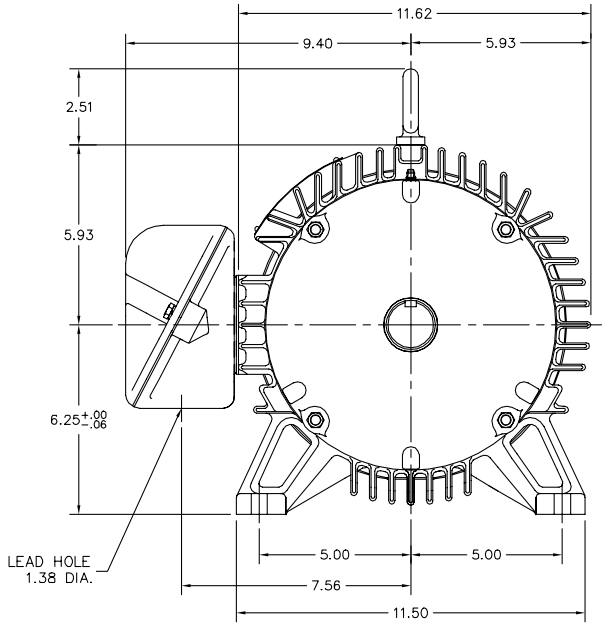
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	63	81	88	90	91	91	91
Efficiency	86	90.5	91	90.4	89.3	87.8	89.7
Speed	3575.3	3549.7	3521.7	3492.3	3460.2	3423.4	3473
Line amperes	6.22	9.37	13	17.1	21.4	26.3	19.7

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values



07LYH362





07LYH362

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

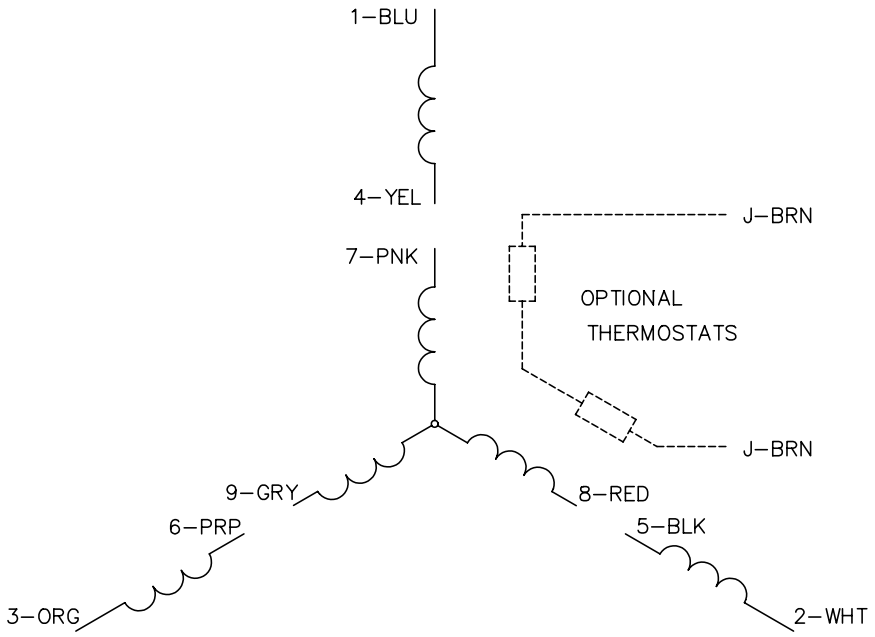
REV. DESC: UPDATE DESCRIPTION AND STACKS		
REV. LTR: D	VERSION: 01	TDR: 000000528344
FILE: \AAA\00014\964	REVISED: 02:22:51 02/12/2010	BY: ENBRAM0
MTL: –		

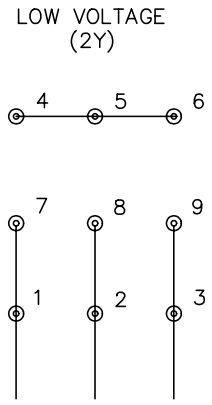
BALDOR • DODGE • RELIANCE

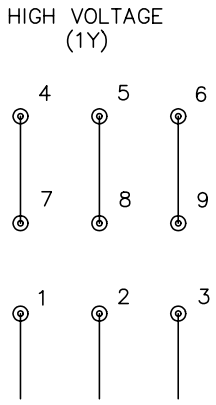
HORZ 254–6U TEFC 307M

SH 1 of 1

CD0005







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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS