

BALDOR® • ***RELIANCE***

Product Information Packet

JMEWDM3713T

15HP,3500RPM,3PH,60HZ,215JM,3752M,TEFC,F

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3752M	Elec. Spec:	37WGR228	CD Diagram:	CD0180
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37N673	Layout:	37LYN673
Frame:	215JM	Mounting:	F1	Poles:	02	Created Date:	04-10-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-08-2016
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1669L										
CAT.NO.	JMEWDM3713T									
SPEC.	37N673R228G1									
HP	15									
VOLTS	230/460									
AMP	34/17									
RPM	3500									
FRAME	215JM				HZ	60			PH	3
SER.F.	1.15		CODE	J	DES	A		CLASS	F	
NEMA-NOM-EFF	91		PF	89						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V	36.8				
DE	6307			ODE	6206					
ENCL	TEFC		SN							
BLANK										

Parts List		
Part Number	Description	Quantity
SA299079	SA 37N673R228G1	1.000 EA
RA286059	RA 37N673R228G1	1.000 EA
37FN3002B01	EXFN, PLASTIC, 7.50 OD, 1.155 ID	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3005A04W	CASTING W/.75 NPT@6(MACH WHITE)	1.000 EA
37GS1025	37 MOLDED GASKET W/LIP, LEAD SEAL	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A94MW	FRONT TEFC L&M 206 BRG W/O GRSSR (WHITE)	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3300A23MW	WHITE EPOXY EP MACH COMPL	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B51	SEAL 1.375 X 2.125 X 0.313 SINGLE LIP DB	1.000 EA
10XN2520S30	1/4-20 X 1 7/8 HEX HEAD SS	4.000 EA
XY3118S12	5/16-18 HEX NUT, STAINLESS STEEL	4.000 EA
07FH4011	WASHDOWN IEC FH W/PRIMED	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
HW4600B74	V-RING SLINGER 1.125 X 1.445 X .24 VITON	1.000 EA
HW4600B31SP	V-RING SLINGER 1.438 X 1.758 X .24 VITON	1.000 EA
37CB4512	CONDUIT BOX LID FOR WASHDOWN 37 FRAME	1.000 EA
37GS1008A02	37 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HA3104S18	THRUBOLT 5/16-18X14 SS	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025Z02	ACTIVATOR WILKOFAS 060.02HF	0.010 GA
MG1025W01	WILKOFAS 781.01, SIGNAL WHITE #9003	0.028 GA
LC0181	CONNECTION LABEL	1.000 EA
NP1669L	SS WD SUPER-E UL CSA-EEV PREM REV MTG	1.000 EA
37PA1039	PALLET PACK GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 53380 - Typical performance - not guaranteed values

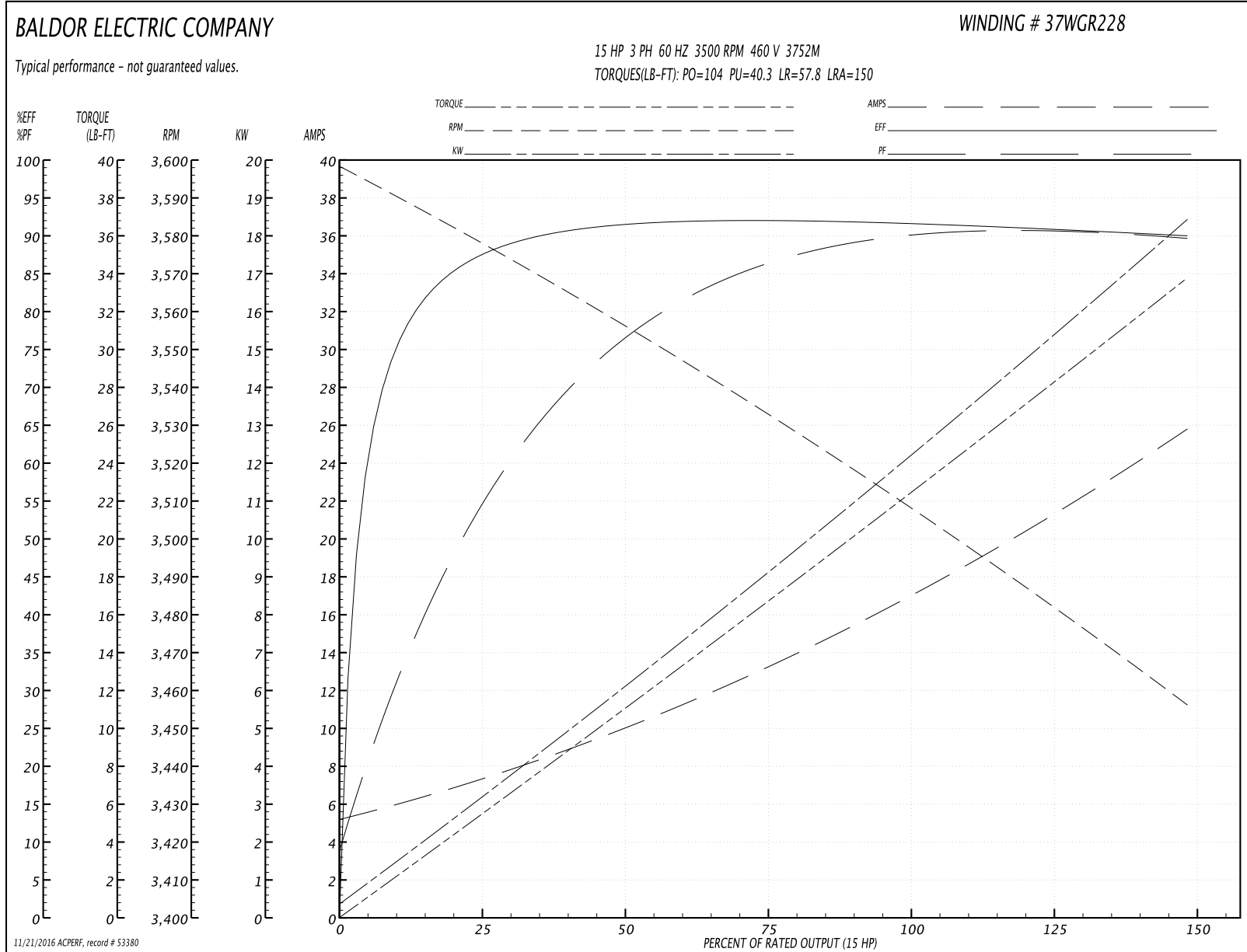
Winding: 37WGR228-R023	Type: 3752M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15			Full Load Torque	22.1 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	34/17			Breakdown Torque	104 LB-FT
R.P.M.	3500			Pull-up Torque	40.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	57.8 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	150 A
Service Factor (S.F.)	1.15			No-load Current	5.55 A
NEMA Nom. Eff.	91	Power Factor	89	Line-line Res. @ 25°C	0.46531 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	67°C
S.F. Amps				Temp. Rise @ S.F. Load	82°C

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	77	85	88	90	91	89
Efficiency	86.8	91.5	92.2	91.8	91	89.9	91.3
Speed	3579.2	3557.5	3534.4	3510.2	3484.5	3455.7	3495
Line amperes	6.7	9.54	13.2	17	21.1	25.6	19.5

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



AC Induction Motor Performance Data

Record # 57899 - Typical performance - not guaranteed values

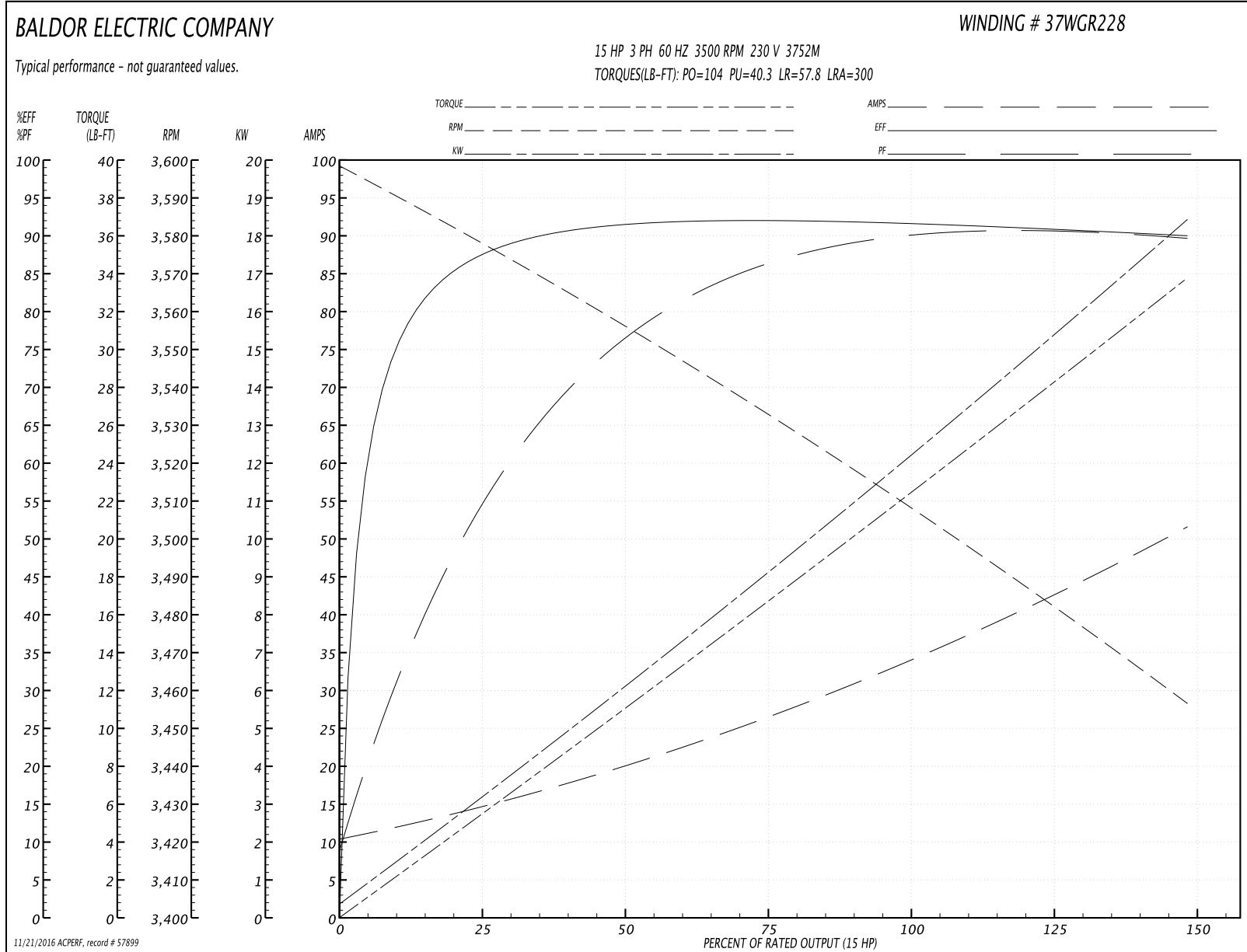
Winding: 37WGR228-R023	Type: 3752M	Enclosure: TEFC
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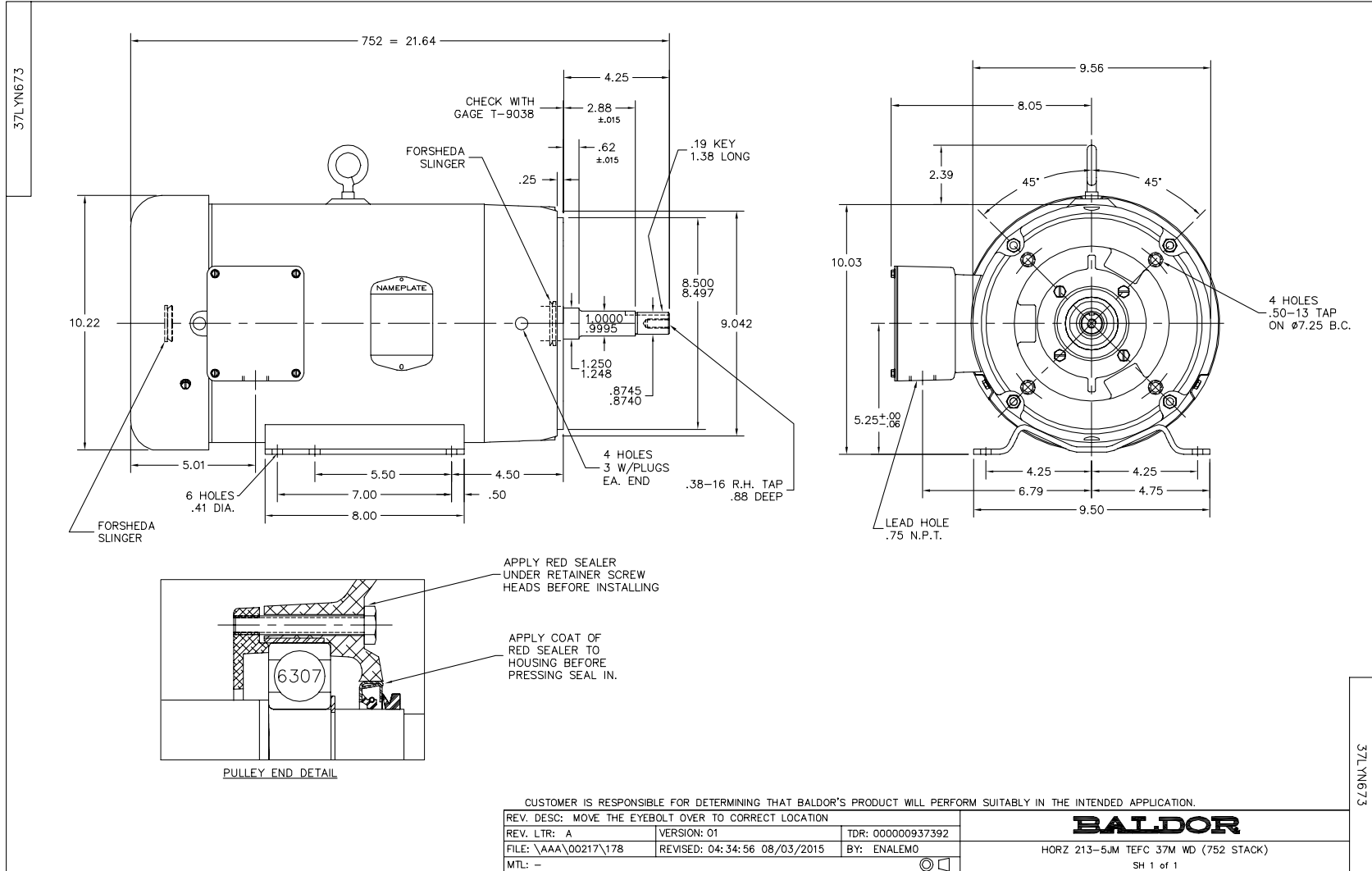
Nameplate Data				230 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	15			Full Load Torque	22.1 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	34/17			Breakdown Torque	104 LB-FT
R.P.M.	3500			Pull-up Torque	40.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	57.8 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	300 A
Service Factor (S.F.)	1.15			No-load Current	11.1 A
NEMA Nom. Eff.	91	Power Factor	89	Line-line Res. @ 25°C	0.111 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	67°C
S.F. Amps				Temp. Rise @ S.F. Load	82°C
				Locked-rotor Power Factor	30.3
				Rotor inertia	0.474 LB-FT ²

Load Characteristics 230 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	77	85	89	90	90	90
Efficiency	86.8	91.1	92	91.8	91	90	91.3
Speed	3579	3558	3534	3510	3485	3456	3495
Line amperes	13.4	19.1	26.4	34	42.2	51.2	38.9

Performance Graph at 230V, 60Hz, 15.0HP Typical performance - Not guaranteed values

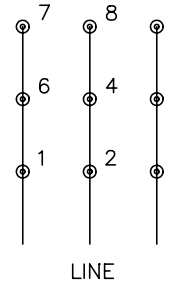




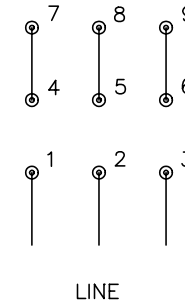
CD0180



LOW VOLTAGE
(2D)



HIGH VOLTAGE
(1D)



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: C	BY: JLP	REVISED: 01/21/99 2:28	TDR: 0171435
0810D0		FILE: AAA00005148	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS, DELTA CONNECTION

CD0180