

BALDOR® • RELIANCE

Product Information Packet

KECO, INC

35AA002N064G2

2HP,1755//1455RPM,3PH,60//50HZ,145TC,353

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	Yes
Type:	AC	Elec. Spec:	35WGN064	CD Diagram:	CD0007	Mfg Plant:	
Mech. Spec:	35AA002	Layout:	35LYAA002	Poles:	04	Created Date:	07-10-2017
Base:	RG	Eff. Date:	07-11-2017	Leads:	12#18		

Specs			
Enclosure:	TEFC	Front Shaft Indicator:	None
Frame:	145TC	Heater Indicator:	No Heater
Frame Material:	Steel	Insulation Class:	F
Output @ Frequency:	2.000 HP @ 50 HZ	Inverter Code:	Inverter Ready
	2.000 HP @ 60 HZ	KVA Code:	L
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Voltage @ Frequency:	380.0 V @ 50 HZ	Locked Bearing Indicator:	Locked Bearing
	230.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	12 @ 18 AWG
	208.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	190.0 V @ 50 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3530M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	73
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None

Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	6.600 A @ 190.0 V	Shaft Ground Indicator:	No Shaft Grounding
	6.000 A @ 208.0 V	Shaft Rotation:	Reversible
	5.600 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	3.300 A @ 380.0 V	Speed Code:	Single Speed
	2.800 A @ 460.0 V	Motor Standards:	NEMA
Design Code:	B	Starting Method:	Direct on line
Drip Cover:	No Drip Cover	Thermal Device - Bearing:	None
Duty Rating:	CONT	Thermal Device - Winding:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Vibration Sensor Indicator:	No Vibration Sensor
Feedback Device:	NO FEEDBACK	Winding Thermal 1:	Automatic Thermal Overload
Front Face Code:	Standard	Winding Thermal 1 Location:	SB
		Winding Thermal 2:	None

Nameplate NP3693L										
CAT.NO.	DM-0200.3PH.01.A									
SPEC.	35AA002N064G2									
HP	2									
VOLTS	208-230/460//190/380									
AMPS	6-5.6/2.8//6.6/3.3									
R.P.M.	1755//1455									
FRAME	145TC					HZ	60//50		PH	3
SER.F.	1.15					CODE	L		DES.	B
NEMA NOM. EFF.	86.5					P.F.	73		CLASS	F
RATING	40C AMB-CONT									
CC	010A					USABLE AT 208V				
DE	6205					ODE	6203			
ENCL	TEFC					SN				
	-									

Parts List		
Part Number	Description	Quantity
SA341286	SA 35AA002N064G2	1.000 EA
RA329659	RA 35AA002N064G2	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35FE3100M01	FREP TEFC ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A46	PULLEY ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A84SP	IEC FH W/GRSR, NO DIMPLES PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA

Parts List (continued)		
Part Number	Description	Quantity
MG1025A01	WILKOFASST SG, 770.02, CLEAR SEMI-GLOSS	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0007	CONNECTION LABEL	1.000 EA
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA
NP3693L	SS SUPER-E UL CSA NEMA PREMIUM CC THERMA	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1100/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 65353 - Typical performance - not guaranteed values

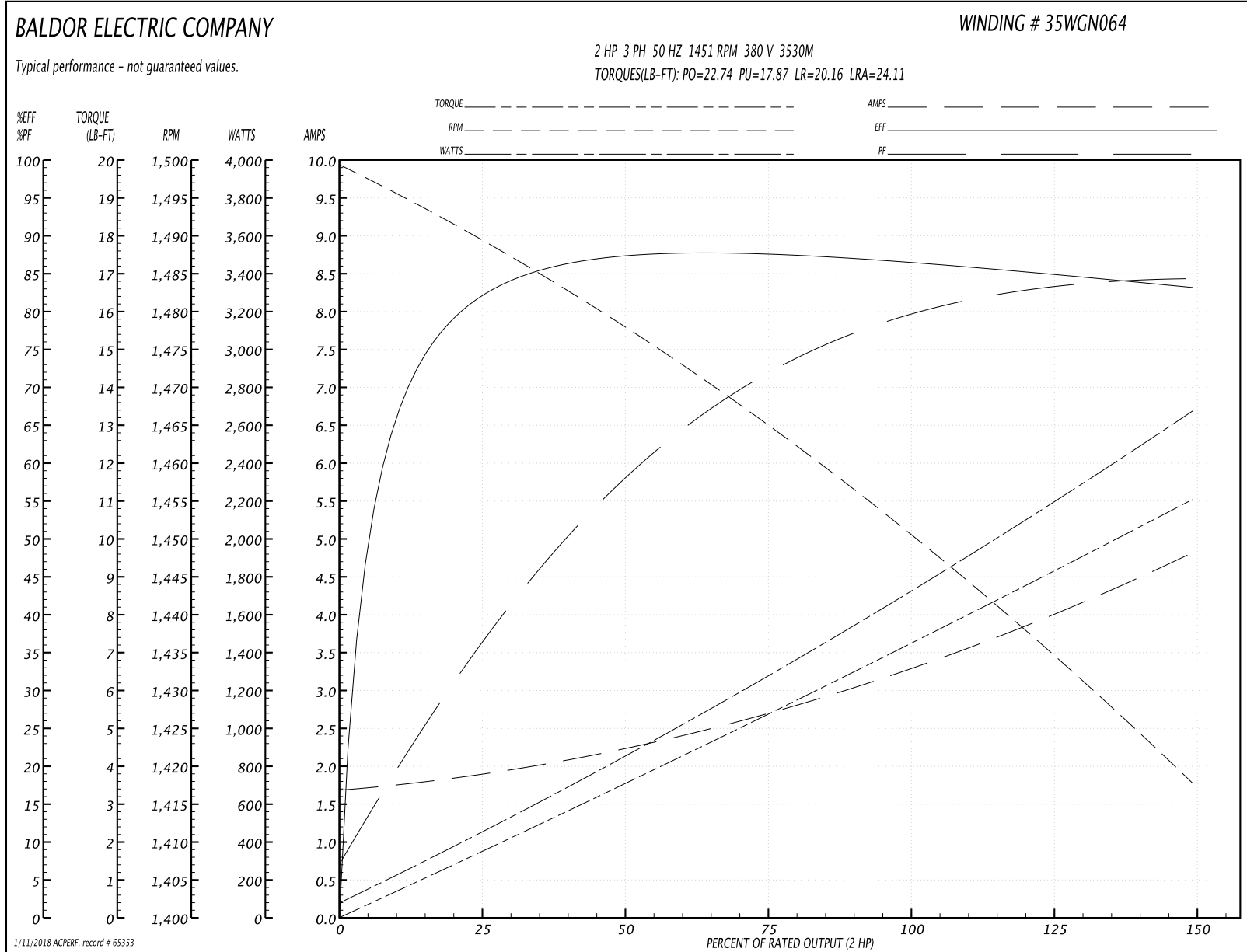
Winding: 35WGN064-R009	Type: 3530M	Enclosure: TEFC
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Nameplate Data				380 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	7.13 LB-FT
Volts	208-230/460//190/380			Start Configuration	direct on line
Full Load Amps	6-5.6/2.8//6.6/3.3			Breakdown Torque	22.74 LB-FT
R.P.M.	1755//1455			Pull-up Torque	17.87 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	20.16 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	24.11 A
Service Factor (S.F.)	1.15			No-load Current	1.72 A
NEMA Nom. Eff.	86.5	Power Factor	73	Line-line Res. @ 25°C	7.02 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	69°C
S.F. Amps				Temp. Rise @ S.F. Load	86°C
				Locked-rotor Power Factor	55.4
				Rotor inertia	0.177 LB-FT ²

Load Characteristics 380 V, 50 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	58	72	78	83	85	83
Efficiency	81.4	86.7	87.7	86.6	85.1	83	86.6
Speed	1490	1479	1465	1451	1435	1418	1441
Line amperes	1.85	2.19	2.69	3.29	4.01	4.79	3.59

Performance Graph at 380V, 50Hz, 2.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 65354 - Typical performance - not guaranteed values

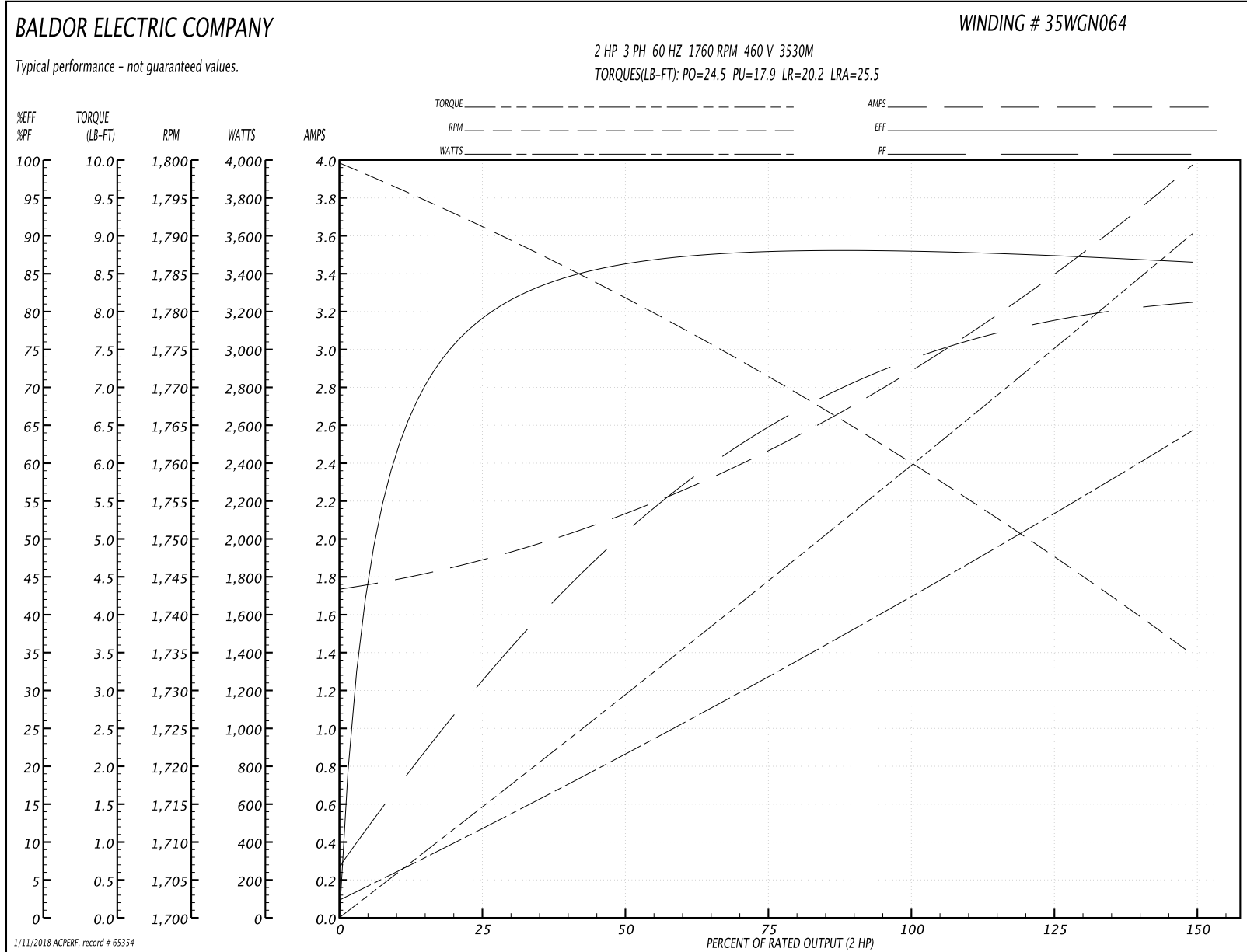
Winding: 35WGN064-R009	Type: 3530M	Enclosure: TEFC
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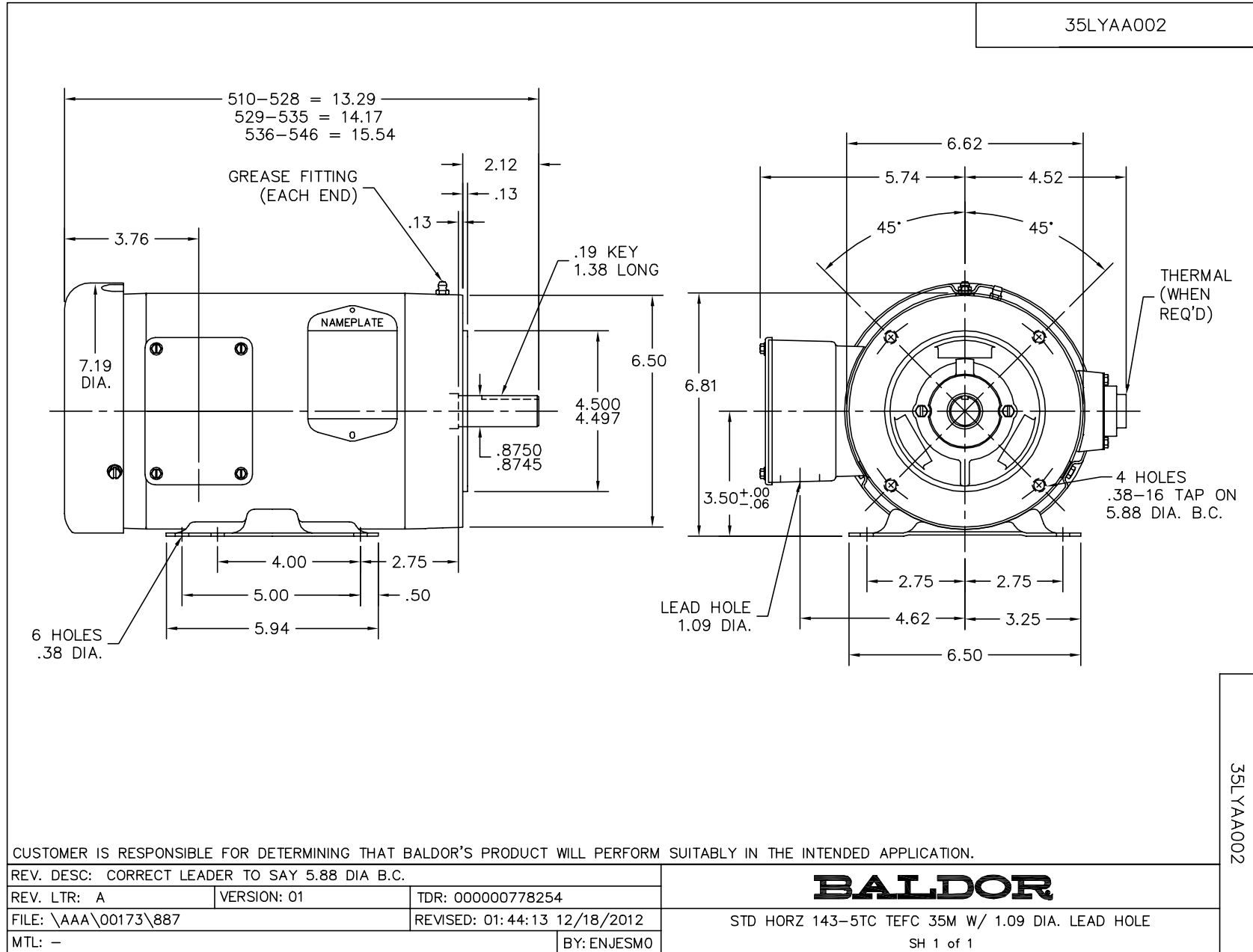
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	5.89 LB-FT
Volts	208-230/460//190/380			Start Configuration	direct on line
Full Load Amps	6-5.6/2.8//6.6/3.3			Breakdown Torque	24.5 LB-FT
R.P.M.	1755//1455			Pull-up Torque	17.9 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	20.2 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	25.5 A
Service Factor (S.F.)	1.15			No-load Current	1.76 A
NEMA Nom. Eff.	86.5	Power Factor	73	Line-line Res. @ 25°C	7.02 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	55°C
S.F. Amps				Temp. Rise @ S.F. Load	65°C
				Locked-rotor Power Factor	50.1
				Rotor inertia	0.177 LB-FT ²

Load Characteristics 460 V, 60 Hz, 2 HP

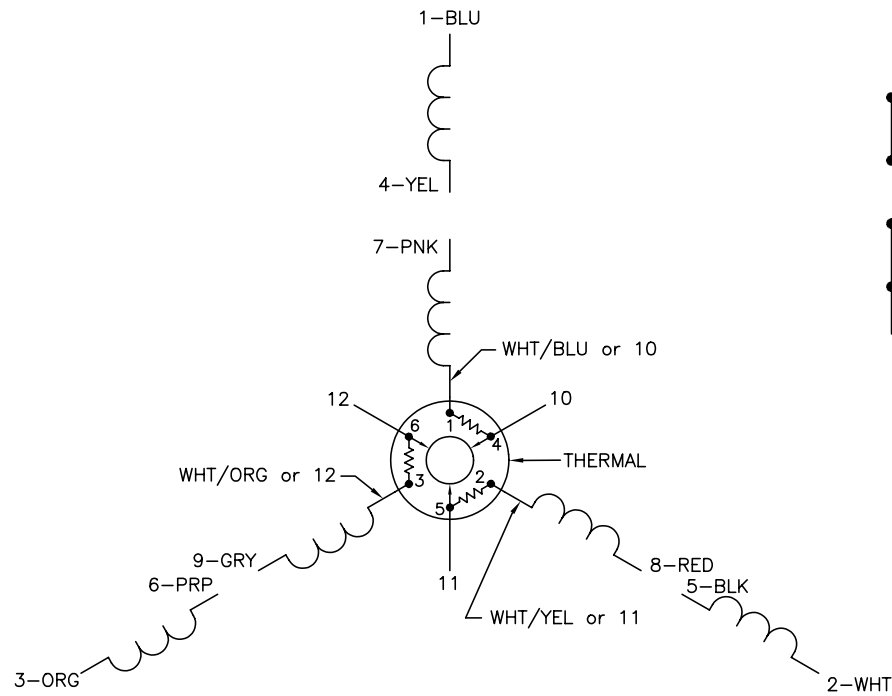
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	51	65	73	78	82	79
Efficiency	78.7	85.8	88	88	87.5	86.4	88.7
Speed	1792	1783	1771	1760	1748	1735	1753
Line amperes	1.86	2.1	2.46	2.89	3.41	3.95	3.04

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values

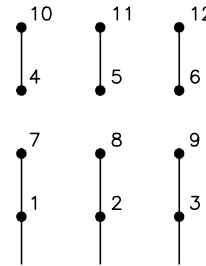




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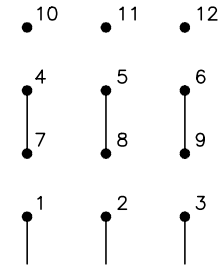


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED "CK" PLANT CODE			
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
L00000		FILE: AAA00008370	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, THERMAL, 12 LEADS

CD0007