



# **BALDOR® • *RELIANCE***

## **Product Information Packet**

### **RHM745A**

**2HP,1725RPM,3PH,60HZ,56H,1924M,OPSB,F1**

Product Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod Type:	1924M	Elec. Spec:	19WGW066	CD Diagram:	CD0007
Enclosure	OPAO	Mfg Plant:		Mech Spec:	19K017	Layout:	19LYK017
Frame:	56H	Mounting:	F1	Poles:	04	Created Date:	
Base:	RS	Rotation:	R	Insulation:	B	Eff. Date:	06-02-2008
Leads:	12#18	Literature:		Elec. Diagram:		Replaced By:	

**Nameplate NP1986A27**

CAT.NO.	RHM745A	ENCL	OPAO
SPEC.	19K017W066	FRAME	56H
HP	2		
VOLTS	208-230/460		
AMPS	6.5-6.2/3.1		
RPM	1725		
HZ	60	PH	3
SER.F.	1.15	DES	B
FL EFF	80	PF	71
RATING	40C AMB-CONT		
SF AMP		USABLE AT 208V	
SER.			
MANUAL	N	AUTO	Y
BLANK			NONE

<b>Parts List</b>			
<b>Product ID</b>	<b>Description</b>	<b>Quantity</b>	<b>List Price</b>
SA088200	SA 19K017W066	1.000	233.00
RA081128	RA 19K017W066	1.000	194.00
TPMYJ38KR	THERMAL 3PH .75 AUT 135	1.000	64.00
11XT0832G06	8-32 X 3/8 TY 23 TAP GRN. X	1.000	3.00
19EP3200BT02	MACHINING 19 FRAME 203 BRG ENC W/HUB	1.000	27.00
RM1000A04	CUSHION RING, MDL 34	1.000	7.00
HA6005A01	CLAMP, BASE	2.000	2.00
51XN1032A18	10-32X1 1/8 HXWS SLTD SER X	1.000	2.00
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000	2.00
LD5000A01	LEAD ASSY	1.000	11.00
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000	3.00
HW1003A10	WASHER, #10 EX TH LK, ZN X	2.000	2.00
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000	2.00
HW5100A03SP	WAVY WASHER (W1543-017)	1.000	2.00
19EP3201BT02	PU ENDPLATE, MACH OPEN 203 BRG	1.000	15.00
RM1000A04	CUSHION RING, MDL 34	1.000	7.00
HA6005A01	CLAMP, BASE	2.000	2.00
51XN1032A18	10-32X1 1/8 HXWS SLTD SER X	1.000	2.00
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000	2.00
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000	2.00
19CB4501	TERMINAL BOX LID, STAMPED	1.000	47.00
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000	2.00
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000	2.00
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000	2.00

<b>Parts List (continued)</b>			
<b>Product ID</b>	<b>Description</b>	<b>Quantity</b>	<b>List Price</b>
MJ1000A02	GREASE, POLYREX EM EXXON	0.050	10.00
SP1042A01	TERM BOARD, MODEL 17 3 PHASE FOR .75" TH	1.000	6.00
35BA4002H01A	RESILIENT BASE, STAMPED	1.000	38.00
HA3100A64	THRUBOLT 10-32 X 9.875	4.000	2.00
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000	2.00
LB5040	INSTRUCTION TAG, AC & DC	1.000	2.00
NP1986A27	NP LABEL, 3 PHASE, DV, W/THERMAL, 12 LDS	1.000	
35PA1067	PACK GROUP COMBINED PRINT WITH OSB BASE	1.000	13.00

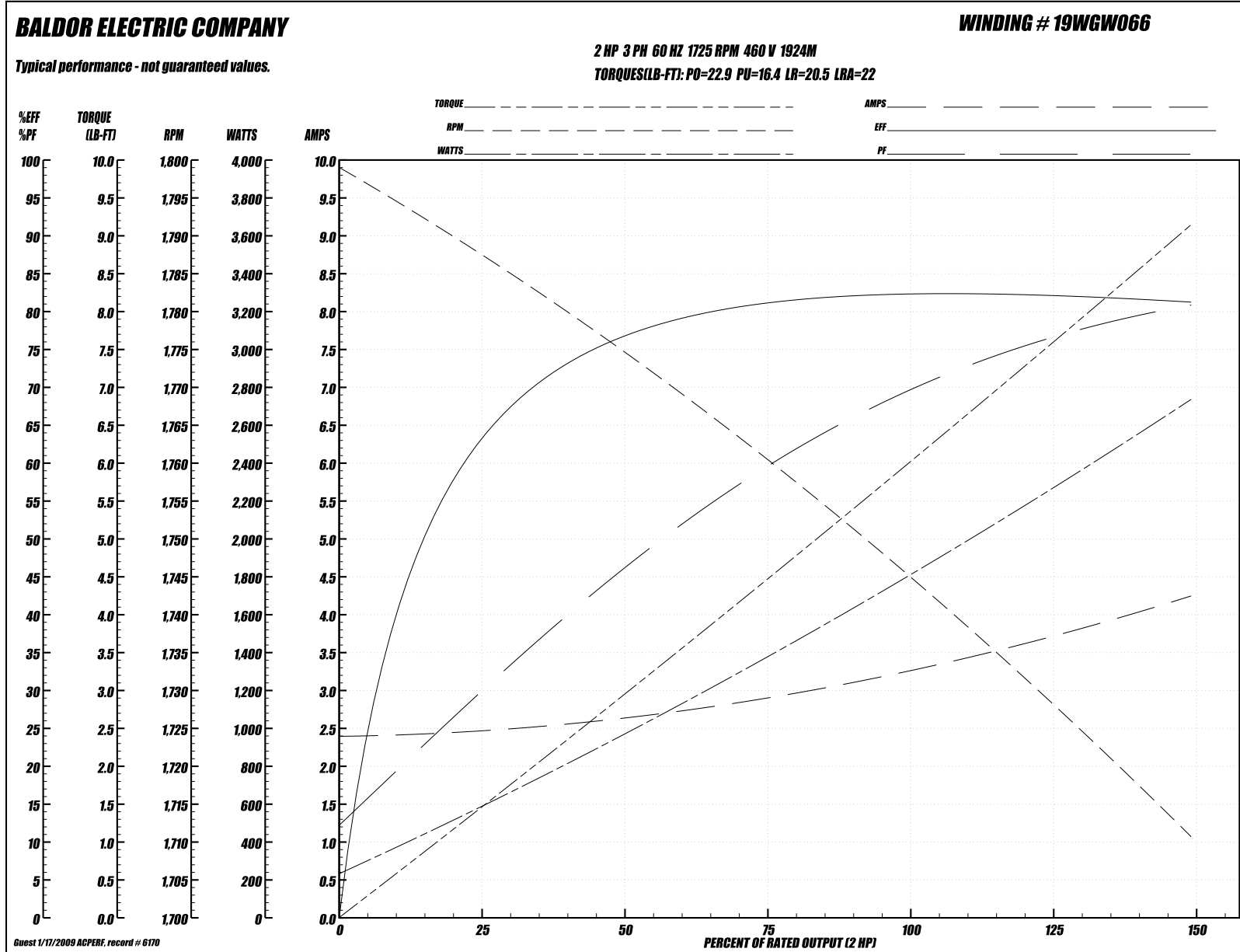
**Performance Data at 460V, 60Hz, 2.0HP (Typical performance - Not guaranteed values)**
**General Characteristics**

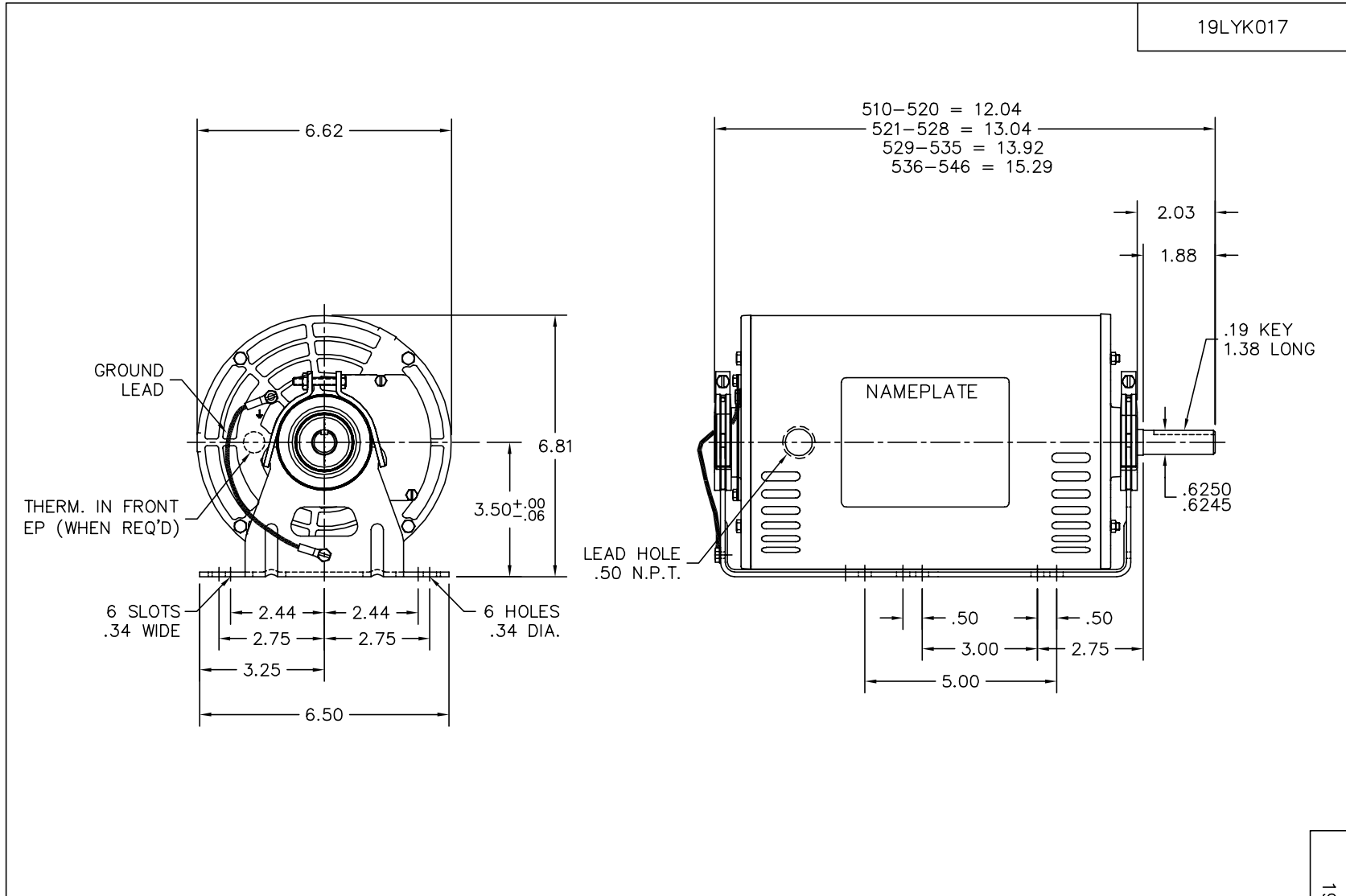
<b>Full Load Torque:</b>	6.1 LB-FT	<b>Start Configuration:</b>	DOL
<b>No-Load Current:</b>	2.4 Amps	<b>Break-Down Torque:</b>	22.9 LB-FT
<b>Line-line Res. @ 25°C.:</b>	9.668 Ohms A Ph / 0.0 Ohms B Ph	<b>Pull-Up Torque:</b>	16.4 LB-FT
<b>Temp. Rise @ Rated Load:</b>	67°C	<b>Locked-Rotor Torque:</b>	20.5 LB-FT
<b>Temp. Rise @ S.F. Load:</b>	0°C	<b>Starting Current:</b>	22.0 Amps

**Load Characteristics**

<b>% of Rated Load:</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor:</b>	30.0	49.0	61.0	70.0	75.0	82.0	0.0
<b>Efficiency:</b>	64.2	76.0	81.7	82.6	82.2	81.1	0.0
<b>Speed:</b>	1787.0	1774.0	1759.0	1745.0	1727.0	1711.0	0.0
<b>Line Amperes:</b>	2.5	2.6	2.9	3.3	3.8	4.2	3.6

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





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: CHG'D DESC TO OPAO PER DOUG THRIFT

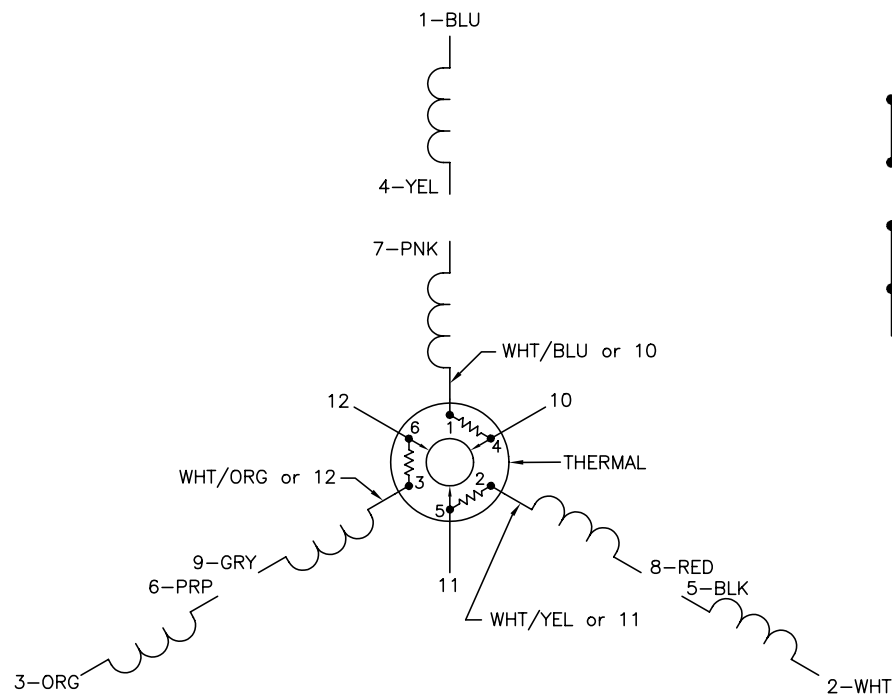
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19LYK017	FILE: \AAA\00093\964	REVISED: 13:18:43 10/16/2007
	MTL: -	BY: ENTERDO

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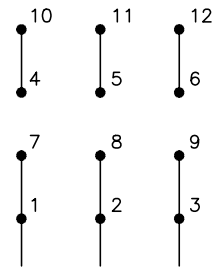
RESIL 56/56H OPAO 19M W/TERM PLATE

19LYK017

CD0007

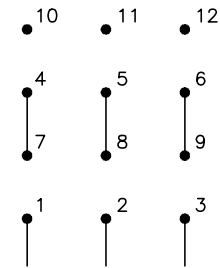


LOW VOLTAGE  
(2Y)



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