

BALDOR® • RELIANCE

Product Information Packet

EHM2547T

60HP, 1775RPM, 3PH, 60HZ, 364T, 4272M, OPSB, F1

Part Detail							
Revision:	S	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4272M	Elec. Spec:	42WGW434	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	42H067	Layout:	42LYH067
Frame:	364T	Mounting:	F1	Poles:	04	Created Date:	06-16-2006
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-16-2015
Leads:	9#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2094E06B03										
CAT.NO.	EHM2547T									
SPEC.	42H067W434G1									
HP	60									
VOLTS	230/460									
AMPS	136/68									
RPM	1775									
FRAME	364T			HZ 60			PH 3			
SER.F.	1.15		CODE	G		DES	B		CL	F
NEMA-NOM-EFF	95		PF	88						
RATING	40C AMB-CONT									
CC	010A			USABLE AT 208V			144			
DE	6313			ODE	6311					
AUTO			MANUAL			NONE				
ENCL	OPSB		SN							
BLANK										

Parts List		
Part Number	Description	Quantity
SA144250	SA 42H067W434G1	1.000 EA
RA133452	RA 42H067W434G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
HA6360	LIFTING LUG FOR 42 FRAME MOTORS.	2.000 EA
42CB4000A01	CONDUIT BOX 40, STAMPED	1.000 EA
19XW2520A08	SCREW,1/4-20X1/2 TAPTITE-II OR ROLOC 91	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
42EP3200A01	FR ENDPLATE, MACH 324-6T	1.000 EA
HW5100A13	W4627-047 WVY WSHER	1.000 EA
42EP1202A13	PUEP MODEL 42 313 BRG FOR 1/2 SH GND MTG	1.000 EA
10XN3816K44	3/8-16 X 2.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
XY5013A12	NUT,1/2-13,HEX,STEEL,ZINCPLATED	8.000 EA
42CB4500A01	CONDUIT BOX LID 42, STAMPED, W/ PRIMER	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	2.000 EA
HW2501J36	KEY, 5/8 SQ X 4.250	1.000 EA
84XN0540J08	5-40 X 1/2" SHCS, BLACK OXIDE	2.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.030 LB
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.080 GA
HA3151A09	THRUBOLT STUD 1/2-13 X 22.000	4.000 EA
42AD2001A01	BAFFLE PLATE 42 OPEN, SLOTTED BAND MTRS	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
42AD2001A01	BAFFLE PLATE 42 OPEN, SLOTTED BAND MTRS	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 EA
42PA1000	PACKAGING GROUP PRINT PK1024A06	1.000 EA

AC Induction Motor Performance Data

Record # 35576 - Typical performance - not guaranteed values

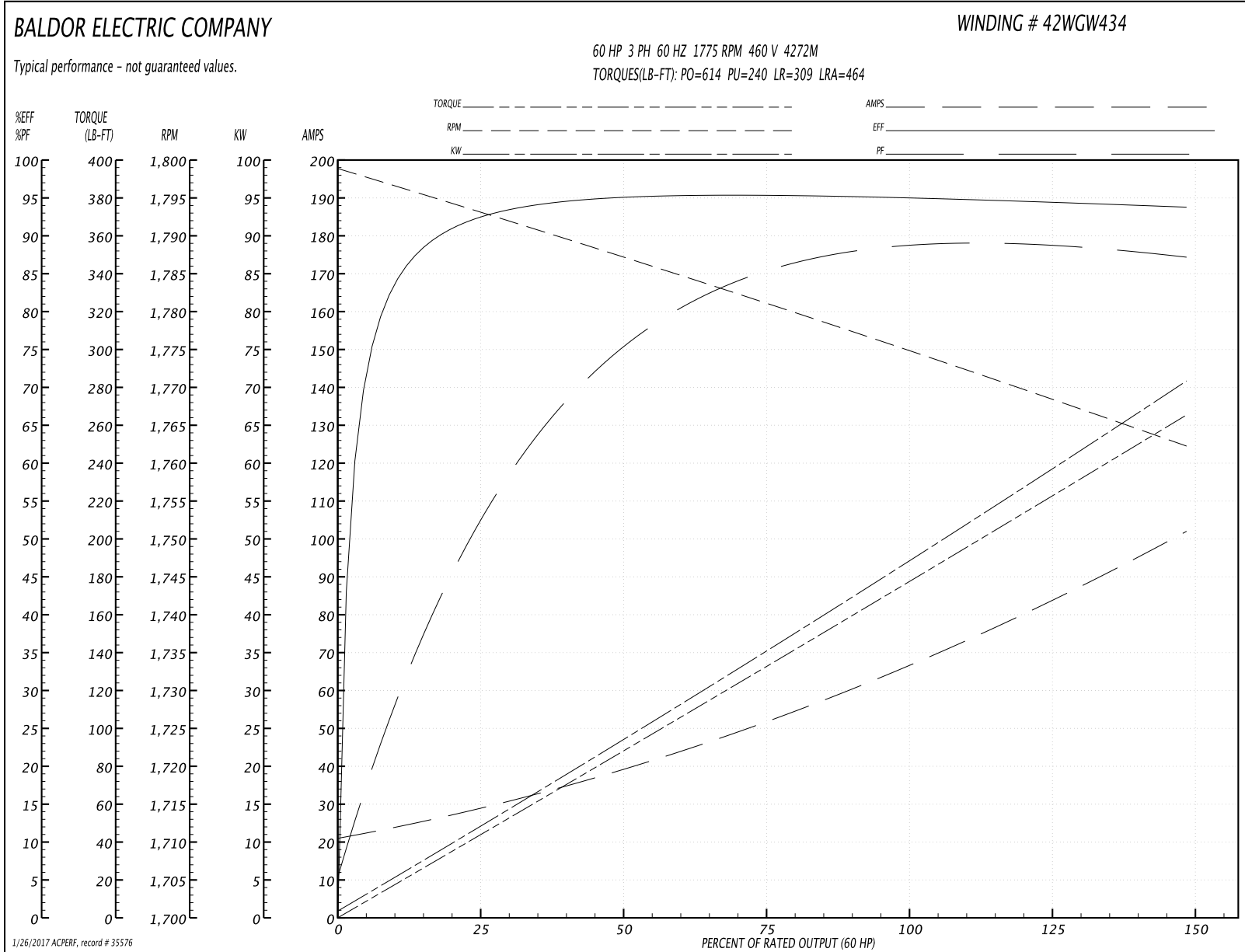
Winding: 42WGW434-R003	Type: 4272M	Enclosure: OPSB
-------------------------------	--------------------	------------------------

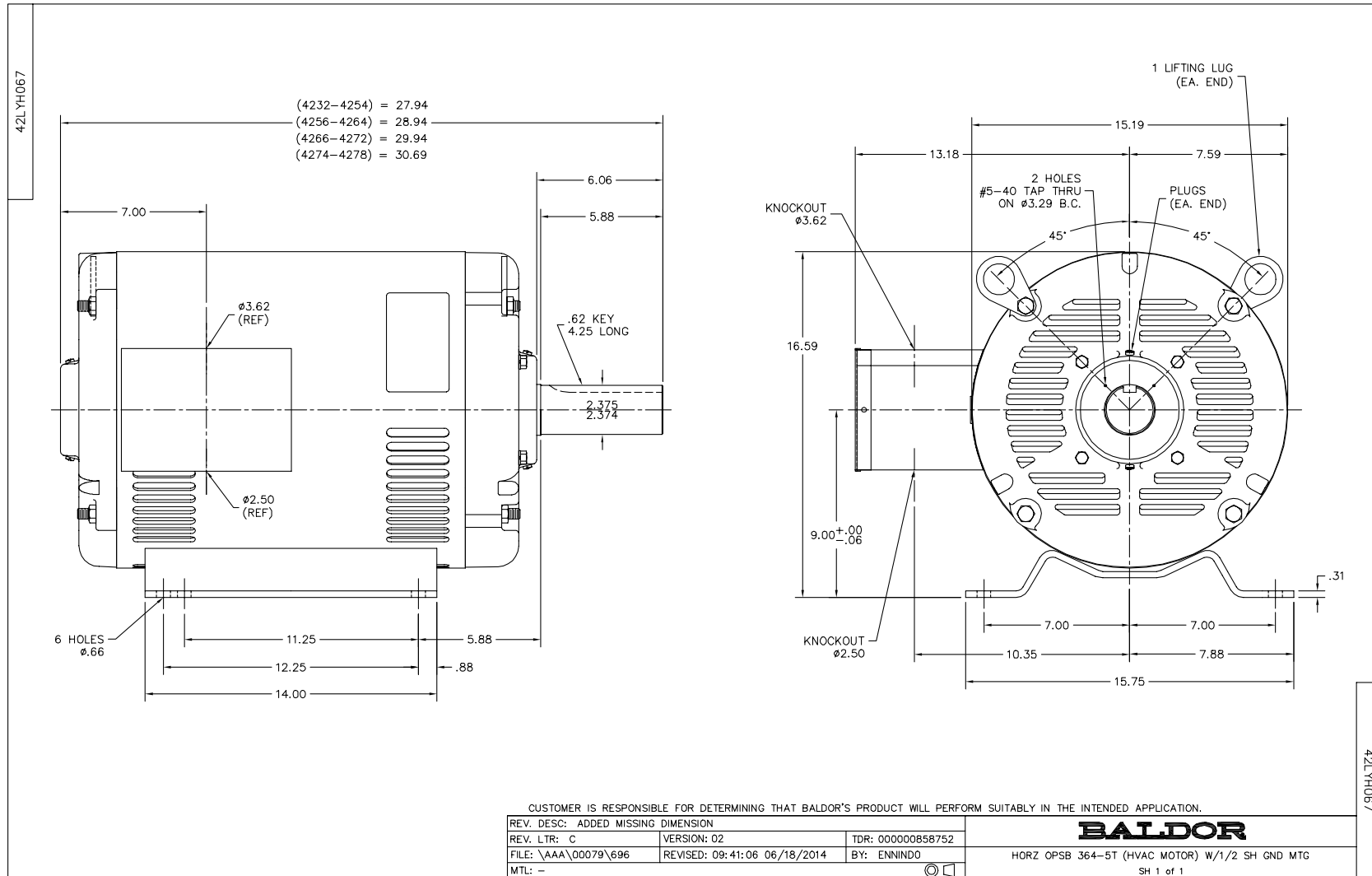
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	60			Full Load Torque	177 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	136/68			Breakdown Torque	614 LB-FT
R.P.M.	1775			Pull-up Torque	240 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	309 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	464 A
Service Factor (S.F.)	1.15			No-load Current	22.2 A
NEMA Nom. Eff.	95	Power Factor	88	Line-line Res. @ 25°C	0.0887 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	31°C
S.F. Amps				Temp. Rise @ S.F. Load	41°C
				Locked-rotor Power Factor	27
				Rotor inertia	9.59 LB-FT ²

Load Characteristics 460 V, 60 Hz, 60 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	77	85	88	89	89	88
Efficiency	92.6	94.9	95.3	95	94.6	93.7	94.8
Speed	1793	1787	1781	1775	1769	1762	1771
Line amperes	27.3	38.7	52.1	67.5	83.6	101.3	77.1

Performance Graph at 460V, 60Hz, 60.0HP Typical performance - Not guaranteed values





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

9000D

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005