

BALDOR • RELIANCE

Customer information packet

EHM2547T

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

Specifications

Enclosure	OPSB
Frame	364T
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	136.000 A @ 230.0 V 144.000 A @ 208.0 V 68.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	68.0 a
Insulation Class	F

Part detail

Revision	Y
Type	AC
Mech. spec.	42H067
Base	
Status	PRD/A
Elec. spec.	42WGW434
Layout	42LYH067
Eff. date	07-10-2024
CD Diagram	CD0005
Poles	04
Leads	9#8
Proprietary	False
Created date	06-16-2006

Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 8 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	4272M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	29.94 IN
Power Factor	88
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	Mounting Provisions Only
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1775 rpm
Speed Code	Single Speed
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

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				N/A	
DE	6313	ODE	6311				
AUTO	MANUAL		NONE				
ENCL	OPSB	SN					
BLANK							

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	Locked-rotor Torque	309 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	464 A	
Service Factor (S.F.)	1.15	No-load Current	22.2 A	
NEMA Nom. Eff.	95 Power Factor	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

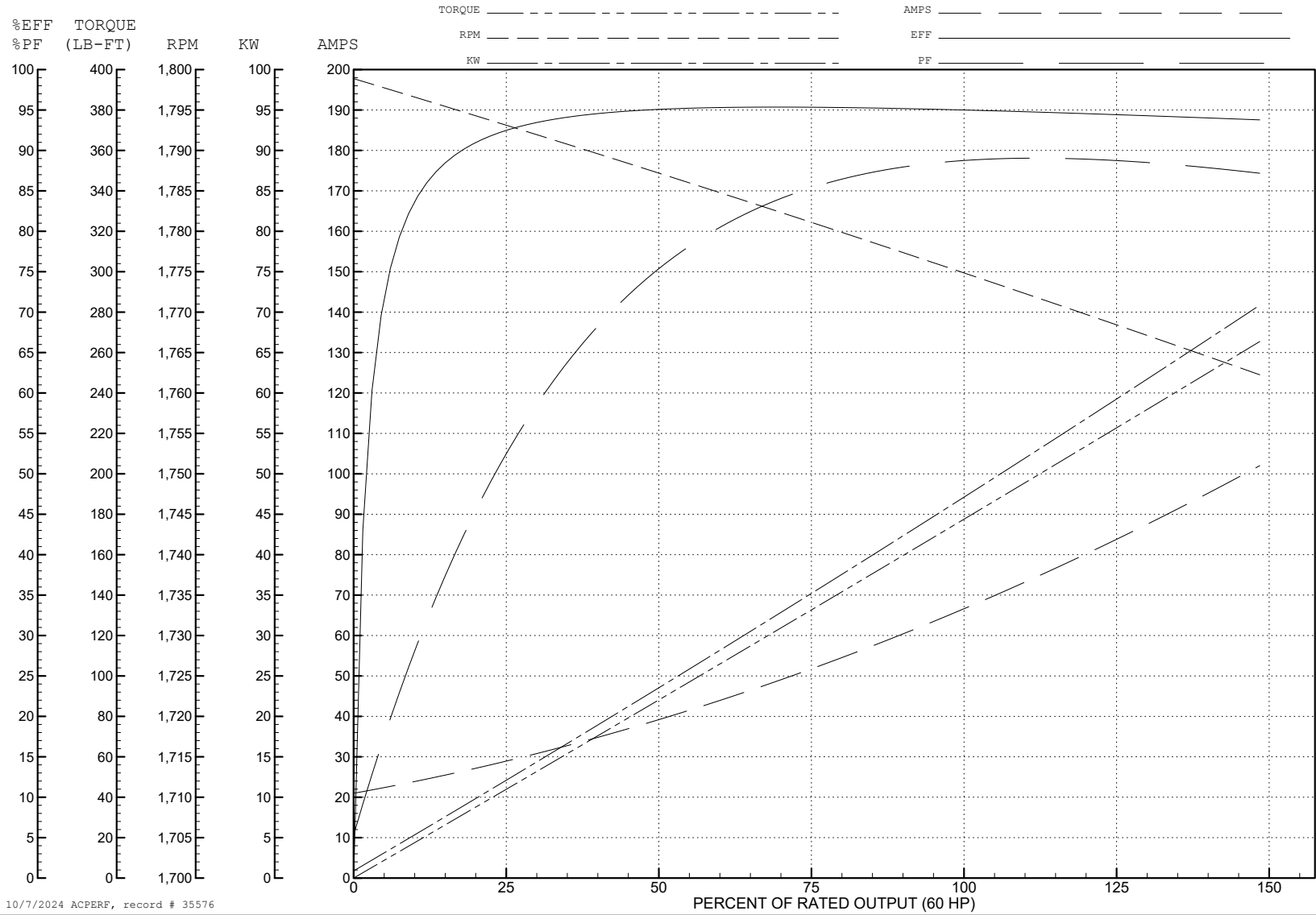
ABB Motors and Mechanical Inc.

WINDING # 42WGW434

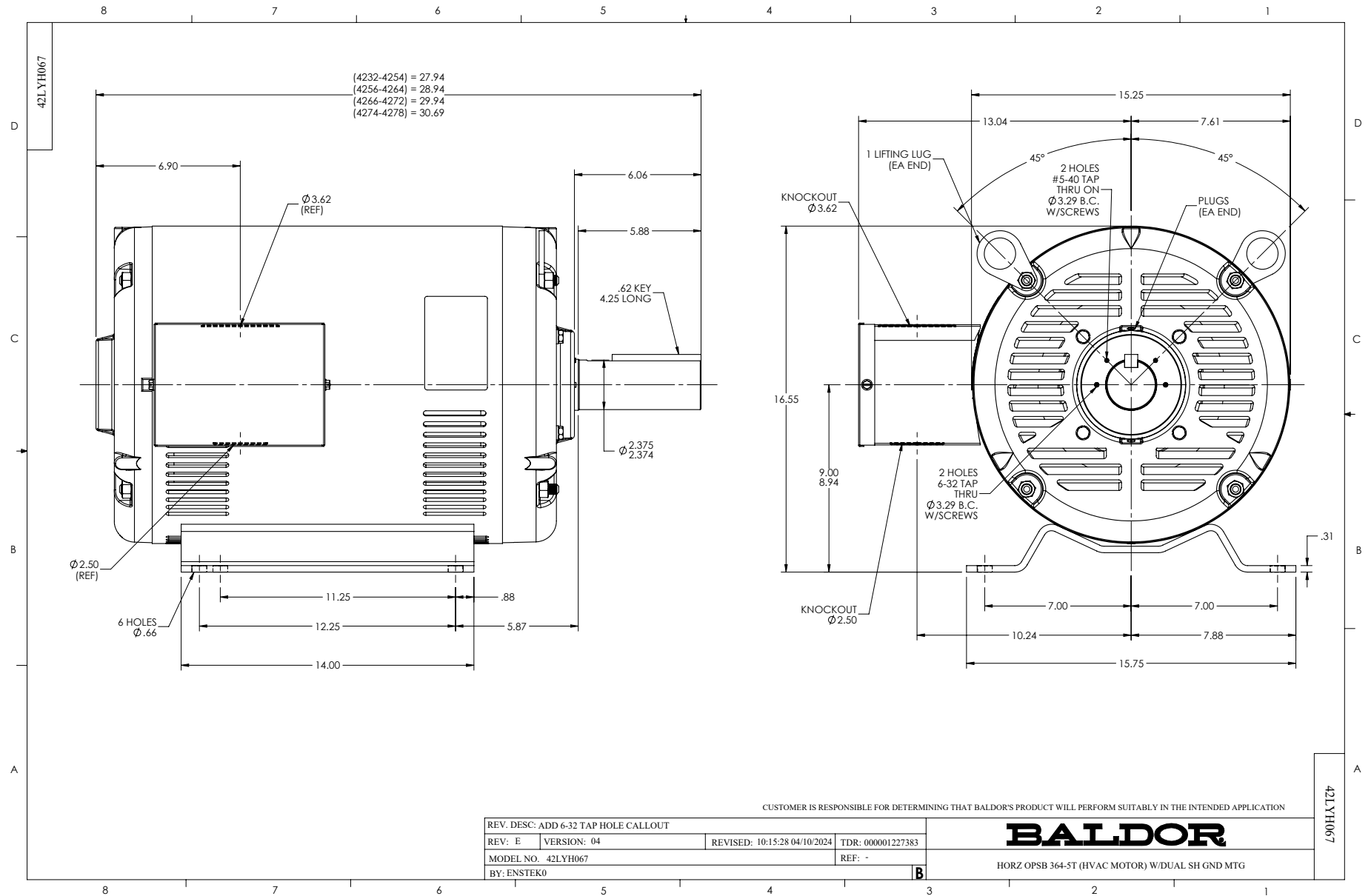
Typical performance - not guaranteed values.

60 HP 3 PH 60 HZ 1775 RPM 460 V 4272M

TORQUES (LB-FT): PO=614 PU=240 LR=309 LRA=464



10/7/2024 ACPERF, record # 35576



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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS