

**BALDOR • RELIANCE**

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# Customer information packet

## EFM2547T

60HP, 1775RPM, 3PH, 60HZ, 364T, 4278M, OPSB, F2

## 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	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA EEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	68.000 A @ 460.0 V 144.000 A @ 208.0 V 136.000 A @ 230.0 V
Design Code	A
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

## Part detail

Revision	W
Type	AC
Mech. spec.	42E213
Base	
Status	PRD/A
Elec. spec.	42GW587
Layout	42LYE213
Eff. date	05-29-2025
CD Diagram	CD0180
Poles	04
Leads	9#4
Proprietary	False
Created date	07-13-2009

High Voltage Full Load Amps	68.0 a
Insulation Class	F
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 @ 6 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	4278M
Mounting Arrangement	F2
Number of Poles	4
Overall Length	30.69 IN
Power Factor	87
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	No Shaft Grounding
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**

**NP2138L**

<b>CAT.NO.</b>	EFM2547T	<b>P/N</b>		<b>ENCLOSURE</b>	OPSB				
<b>SPEC.</b>	42E213W587	<b>CC</b>	010A	<b>FRAME</b>	364T	<b>S/N</b>			
<b>HP</b>	60	<b>CLASS</b>	F	<b>HZ</b>	60				
<b>RPM</b>	1775	<b>PH</b>	3	<b>DES</b>	A				
<b>VOLT</b>	230/460	<b>KVA-CODE</b>	H	<b>ODE BRG</b>	6311	<b>DE BRG</b>	6313		
<b>AMP</b>	138/69								
<b>RATING</b>	40C AMB-CONT	<b>GREASE</b>	POLYREX EM						
<b>NEMA-NOM-EFF</b>	95	<b>PF</b>	86	<b>SER.F.</b>	1.15				
<b>HTR-VOLTS</b>		<b>HTR-AMPS</b>							

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
42-1400	C FACE KIT	A8

**AC Induction Motor Performance Data**

Record # 112389

Typical performance - not guaranteed values

<b>Winding:</b> 42WGW587-R001		<b>Type:</b> 4278M		<b>Enclosure:</b> OPSB	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	60	<b>Full Load Torque</b>	178 LB-FT		
<b>Volts</b>	230/460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	138/69	<b>Breakdown Torque</b>	555 LB-FT		
<b>R.P.M.</b>	1775	<b>Pull-up Torque</b>	269 LB-FT		
<b>Hz</b>	60	<b>Locked-rotor Torque</b>	294 LB-FT		
<b>NEMA Design Code</b>	A	<b>Starting Current</b>	488 A		
<b>Service Factor (S.F.)</b>	1.15	<b>No-load Current</b>	23.61 A		
<b>NEMA Nom. Eff.</b>	95	<b>Line-line Res. @ 25°C</b>	0.0911 Ω		
<b>Rating - Duty</b>	40C AMB-CONT	<b>Temp. Rise @ Rated Load</b>	38°C		
<b>S.F. Amps</b>		<b>Temp. Rise @ S.F. Load</b>	47°C		
		<b>Locked-rotor Power Factor</b>	26.2		
		<b>Rotor inertia</b>	10.4 LB-FT <sup>2</sup>		

**Load Characteristics 460 V, 60 Hz, 60 HP**

<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>	54	74	82	86	87	88	86
<b>Efficiency</b>	92.6	95	95.3	95	94.5	93.8	94.8
<b>Speed</b>	1794	1789	1783	1778	1773	1766	1776
<b>Line amperes</b>	28.8	39.84	53.77	69.23	85.81	103	79.7

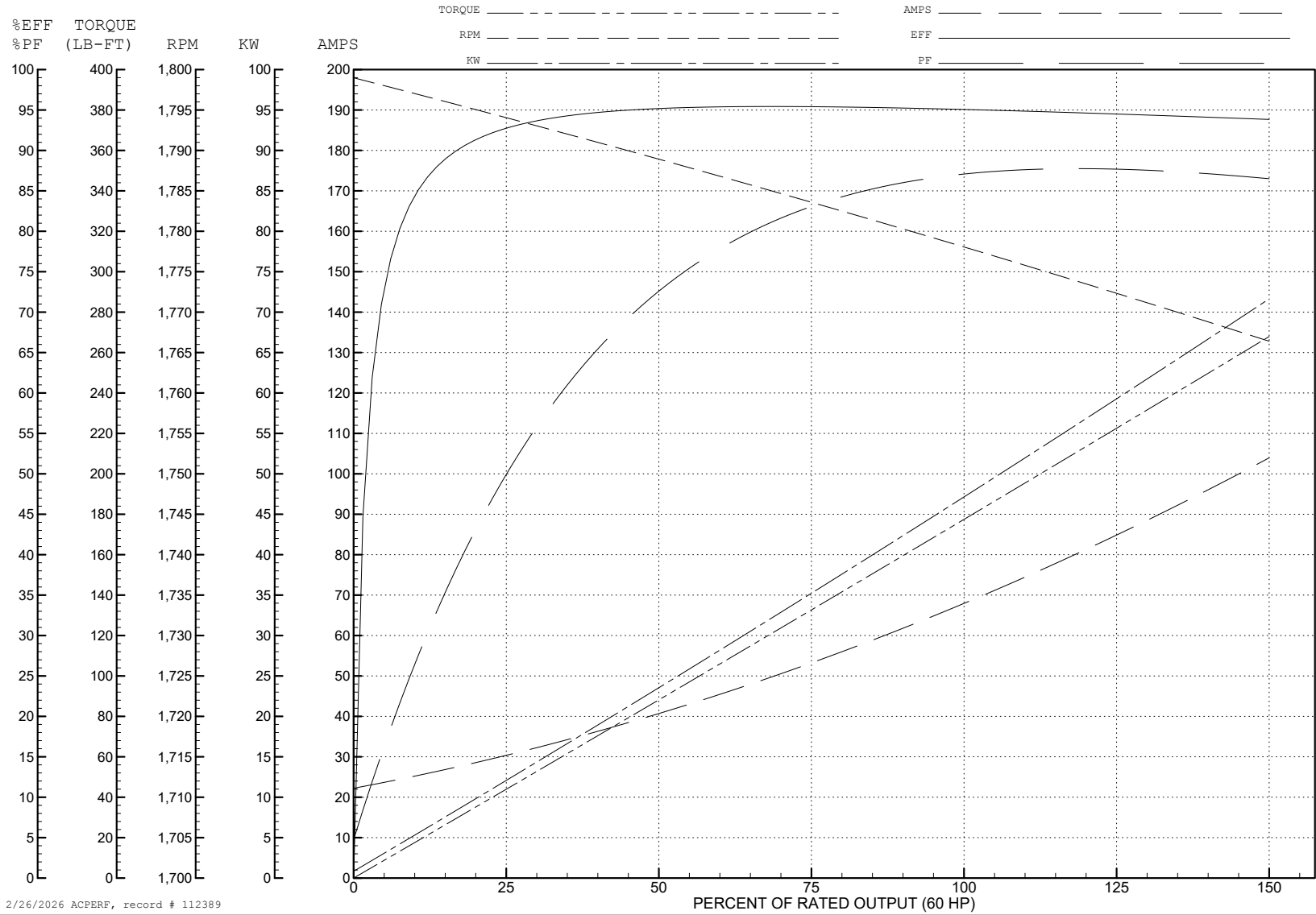
ABB Motors and Mechanical Inc.

WINDING # 42WGW587

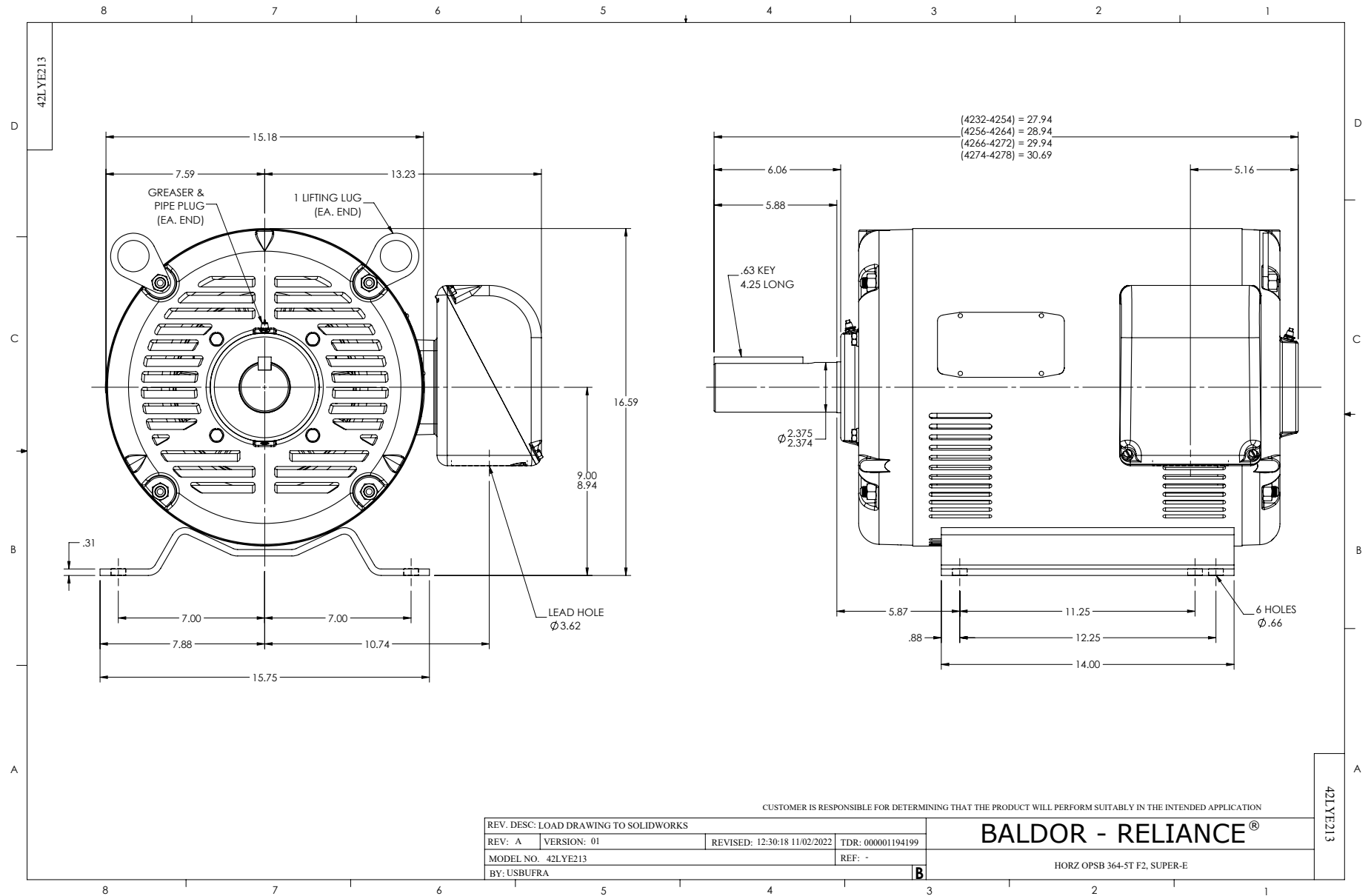
Typical performance - not guaranteed values.

60 HP 3 PH 60 HZ 1775 RPM 460 V 4278M

TORQUES (LB-FT): PO=555 PU=269 LR=294 LRA=488



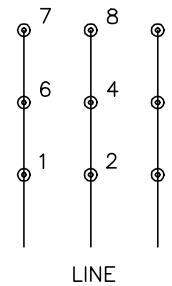
2/26/2026 ACPERF, record # 112389



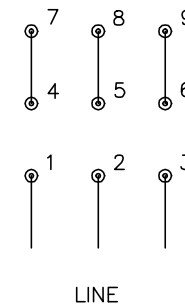
CD0180



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.

CD0180

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FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIRO
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**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

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