



---

# Customer information packet

## EWDM2395T

15HP, 880RPM, 3PH, 60HZ, 286T, TEFC, F1

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	286T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV NEMA PREMIUM UR
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	46.000 A @ 230.0 V 23.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	23.0 a

## Part detail

Revision	J
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	10WGZ376
Layout	10LYN057
Eff. date	02-21-2024
CD Diagram	CD0005
Poles	08
Leads	9#12
Proprietary	False
Created date	08-19-2019

<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Duty
<b>IP Rating</b>	IP55
<b>KVA Code</b>	G
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Max Speed</b>	1350 rpm
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	1060M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	8
<b>Overall Length</b>	27.56 IN
<b>Power Factor</b>	68
<b>Product Family</b>	Washdown Features
<b>Pulley Face Code</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	1.875 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Speed</b>	880 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP1669L</b>									
<b>CAT.NO.</b>	EWDM2395T								
<b>SPEC.</b>	10-0000-1007								
<b>HP</b>	15								
<b>VOLTS</b>	230/460 10:1 CT/VT								
<b>AMP</b>	46/23								
<b>RPM</b>	880								
<b>FRAME</b>	286T		<b>HZ</b>	60		<b>PH</b>	3		
<b>SER.F.</b>	1.00	<b>CODE</b>	G	<b>DES</b>	B	<b>CLASS</b>	F		
<b>NEMA-NOM-EFF</b>	89.5	<b>PF</b>	68						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>	010A								
<b>DE</b>	6311		<b>ODE</b>	6309					
<b>ENCL</b>	TEFC	<b>SN</b>							
<b>BLANK</b>	1.15SF ON SINEWAVE								

**AC Induction Motor Performance Data**

Record # 73239

Typical performance - not guaranteed values

Winding: 10WGZ376-R002		Type: 1060M	Enclosure: TEFC	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>	
Rated Output (HP)	15	Full Load Torque	88.8 LB-FT	
Volts	230/460	Start Configuration	direct on line	
Full Load Amps	46/23	Breakdown Torque	207 LB-FT	
R.P.M.	880	Pull-up Torque	91 LB-FT	
Hz	60 Phase	Locked-rotor Torque	114 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	106 A	
Service Factor (S.F.)	1	No-load Current	13.8 A	
NEMA Nom. Eff.	89.5 Power Factor	Line-line Res. @ 25°C	0.656 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	60°C	
		Locked-rotor Power Factor	31.7	
		Rotor inertia	7.36 LB-FT <sup>2</sup>	

**Load Characteristics 460 V, 60 Hz, 15 HP**

% of Rated Load	25	50	75	100	125	150
Power Factor	29	48	60	67	70	72
Efficiency	82.1	88.2	89.7	89.6	88.8	87
Speed	896	893	889	884	879	872
Line amperes	14.5	16.5	19.5	23.4	28.1	33.6

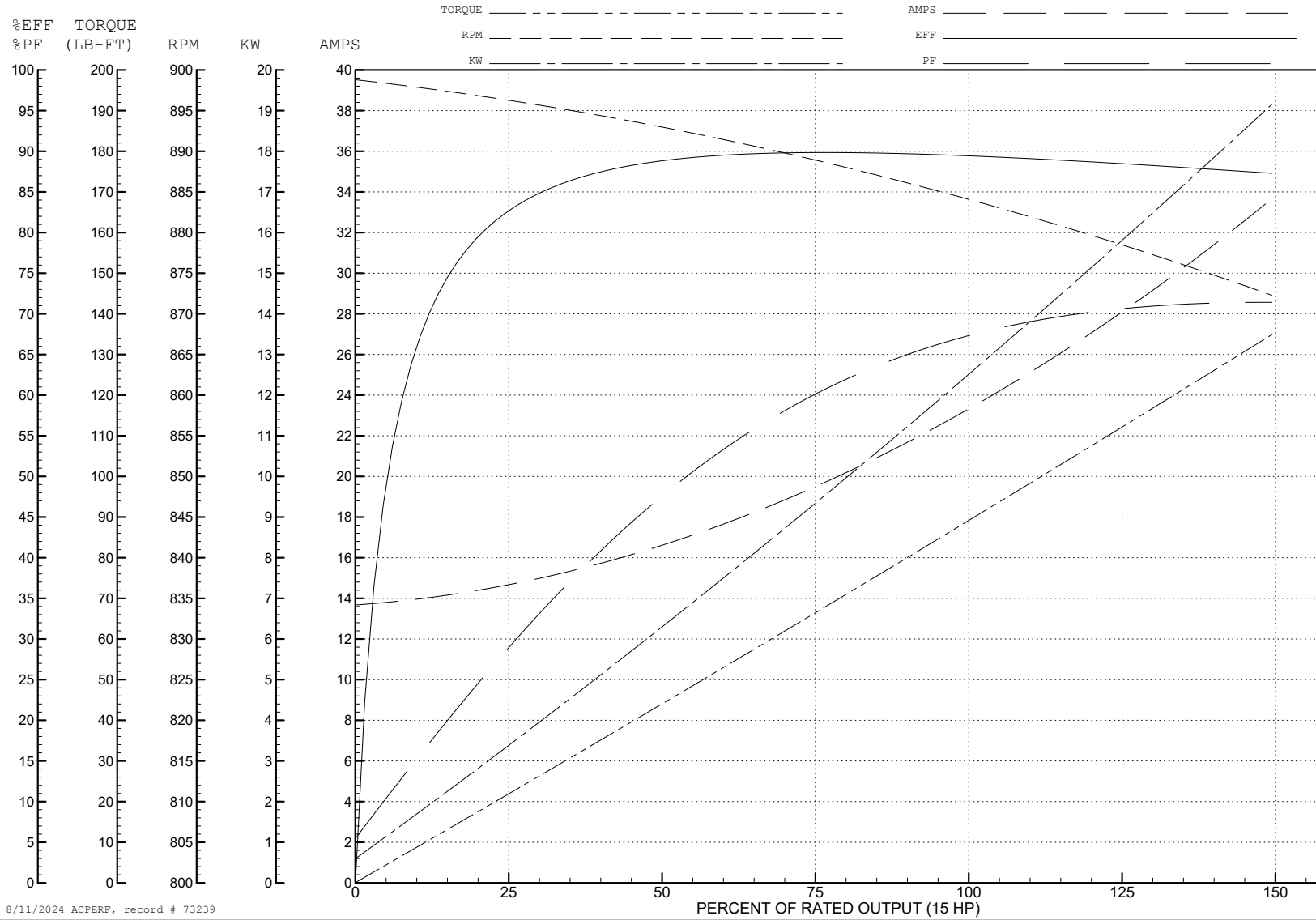
ABB Motors and Mechanical Inc.

WINDING # 10WGZ376

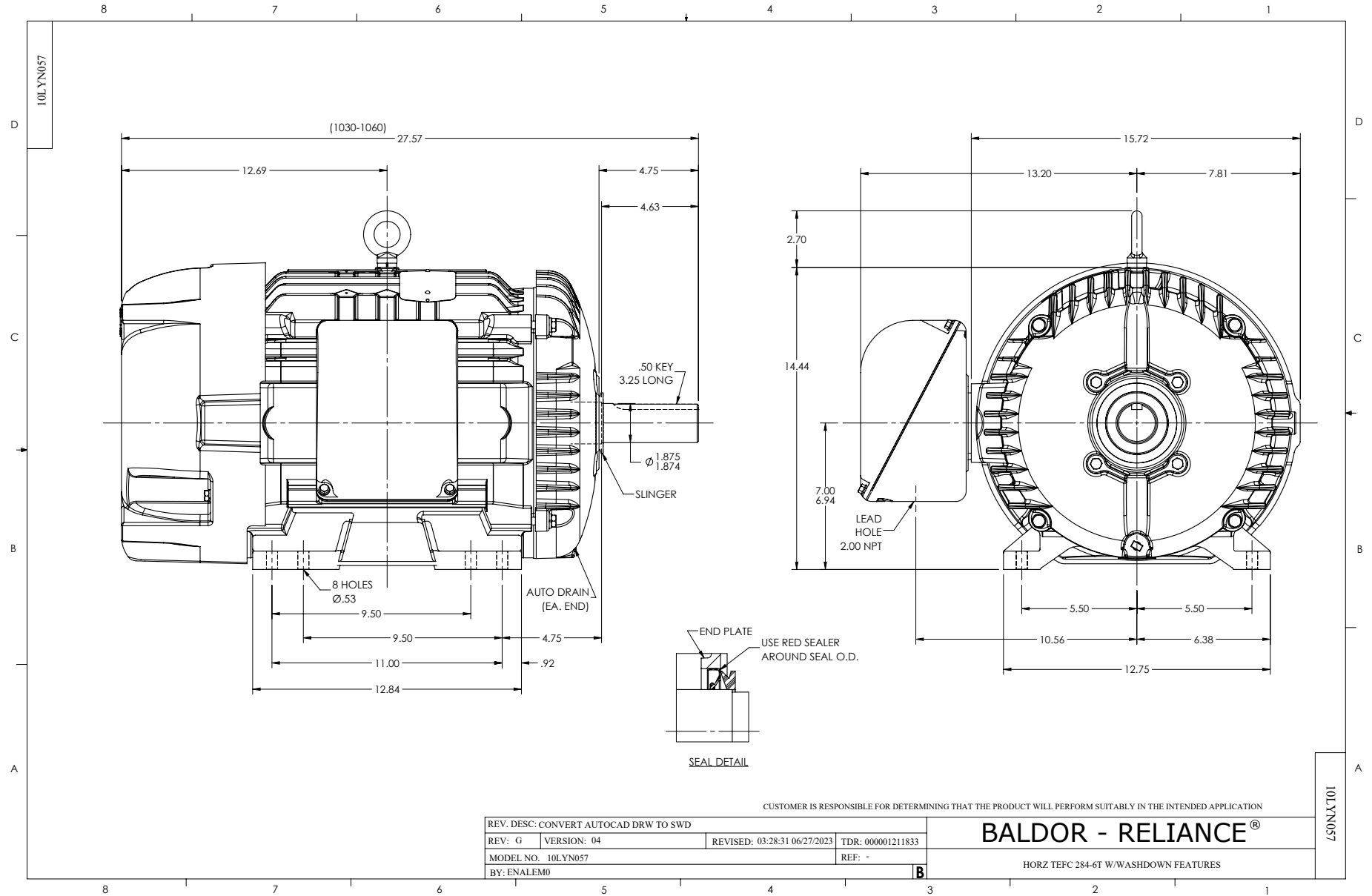
Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 880 RPM 460 V 1060M

TORQUES (LB-FT): PO=207 PU=91 LR=114 LRA=106



8/11/2024 ACPERF, record # 73239



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