

**BALDOR • RELIANCE**

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# Customer information packet

## EM2535T-12

30HP, 1775RPM, 3PH, 60HZ, 286T, 4060M, OPSB, F1

## Specifications

Enclosure	OPSB
Frame	286T
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	30.000 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	CURUSEEV NEMA PREMIUM NEMA PREMIUM (OLD LOGO)
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	72.000 A @ 230.0 V 76.000 A @ 208.0 V 36.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
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	36.0 a

## Part detail

Revision	L
Type	AC
Mech. spec.	40D101
Base	
Status	PRD/A
Elec. spec.	40WGX349
Layout	40LYD101
Eff. date	06-27-2024
CD Diagram	CD0104
Poles	04
Leads	12#10
Proprietary	False
Created date	05-26-2016

<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Ready
<b>IP Rating</b>	NONE
<b>KVA Code</b>	H
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	12 @ 10 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	4060M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	26.06 IN
<b>Power Factor</b>	82
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	1.875 IN
<b>Shaft Extension Location</b>	Pulley End
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1775 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Wye Start - Delta Run
<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**

**NP3554LUA**

<b>CAT.NO.</b>	EM2535T-12	<b>P/N</b>		<b>ENCL</b>	OPSB
<b>SPEC.</b>	40D101X349G1	<b>CC</b>	010A	<b>FRAME</b>	286T
<b>HP</b>	30	<b>CLASS</b>	F	<b>HZ</b>	60
<b>RPM</b>	1775	<b>PH</b>	3	<b>DES</b>	A
<b>VOLTS</b>	230/460	<b>CODE</b>	H	<b>ODE BRG</b>	6309
<b>AMPS</b>	72/36	<b>DE BRG</b>	6311		
<b>RATING</b>	40C AMB-CONT	<b>NEMA-NOM-EFF</b>	94.1	<b>GREASE</b>	POLYREX EM
<b>PF</b>	82	<b>SER.F.</b>	1.15	<b>CT30-60(2:1) VT3-60(20:1)</b>	
<b>USABLE AT</b>	50HZ 30HP 190/380V 86/43A		SF 1.0		
<b>HTR-VOLTS</b>	<b>HTR-AMPS</b>	<b>MAX. SPACE HEATER TEMP.</b>			

**AC Induction Motor Performance Data**

Record # 57331

Typical performance - not guaranteed values

Winding: 40WGX349-R001		Type: 4060M	Enclosure: OPSB
<b>Nameplate Data</b>		<b>460 V, 60 Hz: High Voltage Connection</b>	
Rated Output (HP)	30	Full Load Torque	88.8 LB-FT
Volts	230/460	Start Configuration	direct on line
Full Load Amps	72/36	Breakdown Torque	278 LB-FT
R.P.M.	1775	Pull-up Torque	130 LB-FT
Hz	60 Phase	Locked-rotor Torque	160 LB-FT
NEMA Design Code	A KVA Code	Starting Current	250 A
Service Factor (S.F.)	1.15	No-load Current	15.1 A
NEMA Nom. Eff.	94.1 Power Factor	Line-line Res. @ 25°C	0.204 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	29°C
S.F. Amps		Temp. Rise @ S.F. Load	35°C
		Locked-rotor Power Factor	31.3
		Rotor inertia	4.77 LB-FT <sup>2</sup>

**Load Characteristics 460 V, 60 Hz, 30 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	67	78	83	85	86	84
Efficiency	90.4	93.9	94.4	94.4	93.5	93.1	93.9
Speed	1794	1788	1782	1777	1770	1763	1773
Line amperes	17.4	22.3	28.8	36.1	44.2	52.9	41

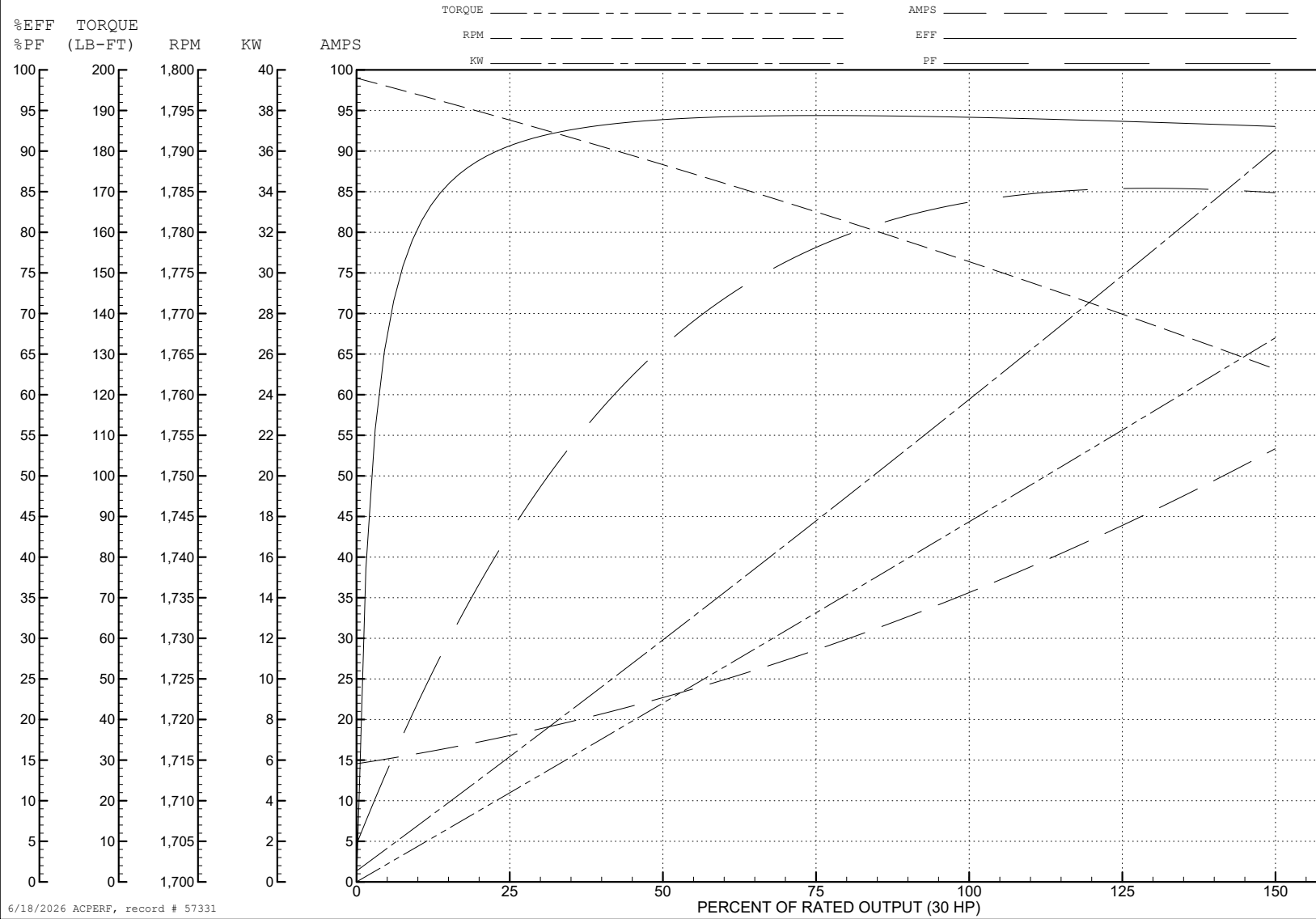
ABB Motors and Mechanical Inc.

WINDING # 40WGX349

30 HP 3 PH 60 HZ 1775 RPM 460 V 4060M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=278 PU=130 LR=160 LRA=250



6/18/2026 ACPERF, record # 57331

