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# Customer information packet

## IDNM3587T

2HP, 1755RPM, 3PH, 60HZ, 143TC, 0534M, TENV, F1

Class - None

Division - Not Applicable

## Specifications

Enclosure	TENV
Frame	145TC
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	2.000 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	CSA 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	5.400 A @ 230.0 V 2.700 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.7 a
Insulation Class	H

## Part detail

Revision	E
Type	AC
Mech. spec.	05E534
Base	
Status	PRD/A
Elec. spec.	05WGX544
Layout	05LYE534
Eff. date	03-16-2026
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	03-11-2022

<b>Inverter Code</b>	<b>Inverter Duty</b>
<b>KVA Code</b>	<b>M</b>
<b>Lifting Lugs</b>	<b>Standard Lifting Lugs</b>
<b>Locked Bearing Indicator</b>	<b>Locked Bearing</b>
<b>Max Speed</b>	<b>2700 rpm</b>
<b>Motor Lead Quantity/Wire Size</b>	<b>9 @ 18 AWG</b>
<b>Motor Lead Termination</b>	<b>Flying Leads</b>
<b>Motor Standards</b>	<b>NEMA</b>
<b>Motor Type</b>	<b>0534M</b>
<b>Mounting Arrangement</b>	<b>F1</b>
<b>Number of Poles</b>	<b>4</b>
<b>Overall Length</b>	<b>14.65 IN</b>
<b>Power Factor</b>	<b>79</b>
<b>Product Family</b>	<b>General Purpose</b>
<b>Pulley End Bearing Type</b>	<b>Ball</b>
<b>Pulley Face Code</b>	<b>C-Face</b>
<b>Pulley Shaft Indicator</b>	<b>Standard</b>
<b>Rodent Screen</b>	<b>None</b>
<b>Service Factor</b>	<b>1.00</b>
<b>Shaft Diameter</b>	<b>0.875 IN</b>
<b>Shaft Ground Indicator</b>	<b>No Shaft Grounding</b>
<b>Shaft Rotation</b>	<b>Reversible</b>
<b>Shaft Slinger Indicator</b>	<b>No Slinger</b>
<b>Speed</b>	<b>1755 rpm</b>
<b>Speed Code</b>	<b>Single Speed</b>
<b>Starting Method</b>	<b>Direct on line</b>
<b>Thermal Device - Bearing</b>	<b>None</b>
<b>Thermal Device - Winding</b>	<b>Normally Closed Thermostat</b>
<b>Vibration Sensor Indicator</b>	<b>No Vibration Sensor</b>
<b>Winding Thermal 1</b>	<b>None</b>
<b>Winding Thermal 2</b>	<b>None</b>

**Nameplate**

<b>NP4544L</b>					
<b>CAT.NO.</b>	IDNM3587T				
<b>SPEC.</b>	05E534X544G1				
<b>FRAME</b>	145TC	<b>H.P.</b>	2		
<b>VOLTS</b>	230/460				
<b>MAG. CUR.</b>	3.08/1.54	<b>F.L. AMPS</b>	5.4/2.7		
<b>R.P.M.</b>	1755	<b>R.P.M. MAX</b>	2700		
<b>HZ.</b>	60	<b>PH.</b>	3	<b>CLASS</b>	H
<b>SER.F.</b>	1.00	<b>DES.</b>	B	<b>SL HZ</b>	1.5
<b>NEMA NOM. EFF.</b>	86.5	<b>WK2</b>	0.245		
<b>BLOWER</b>	V	<b>PH</b>		<b>HZ</b>	<b>AMPS</b>
<b>RATING</b>	40C AMB-CONT		<b>ENCL</b>	TENV	
<b>DE</b>	6205	<b>ODE</b>	6203		
<b>CC</b>	010A	<b>SN</b>			
	1000:1 CT/VT				

**AC Induction Motor Performance Data**

Record # 82063

Typical performance - not guaranteed values

<b>Winding:</b> 05WGX544-R003		<b>Type:</b> 0534M		<b>Enclosure:</b> TENV		
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>			
<b>Rated Output (HP)</b>	2		<b>Full Load Torque</b>	5.98 LB-FT		
<b>Volts</b>	230/460		<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	5.4/2.7		<b>Breakdown Torque</b>	25.3 LB-FT		
<b>R.P.M.</b>	1755		<b>Pull-up Torque</b>	14.8 LB-FT		
<b>Hz</b>	60	<b>Phase</b>	3	<b>Locked-rotor Torque</b>	17.9 LB-FT	
<b>NEMA Design Code</b>	B		<b>KVA Code</b>	M	<b>Starting Current</b>	25.8 A
<b>Service Factor (S.F.)</b>	1		<b>No-load Current</b>	1.54 A		
<b>NEMA Nom. Eff.</b>	86.5	<b>Power Factor</b>	79	<b>Line-line Res. @ 25°C</b>	8.23 Ω	
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	56°C		
			<b>Locked-rotor Power Factor</b>	54.6		
			<b>Rotor inertia</b>	0.245 LB-FT <sup>2</sup>		

**Load Characteristics 460 V, 60 Hz, 2 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>Power Factor</b>	37	59	72	79	83	86
<b>Efficiency</b>	80	86.5	87.6	86.9	85.6	83.7
<b>Speed</b>	1788	1780	1770	1759	1748	1734
<b>Line amperes</b>	1.61	1.86	2.24	2.72	3.28	3.88

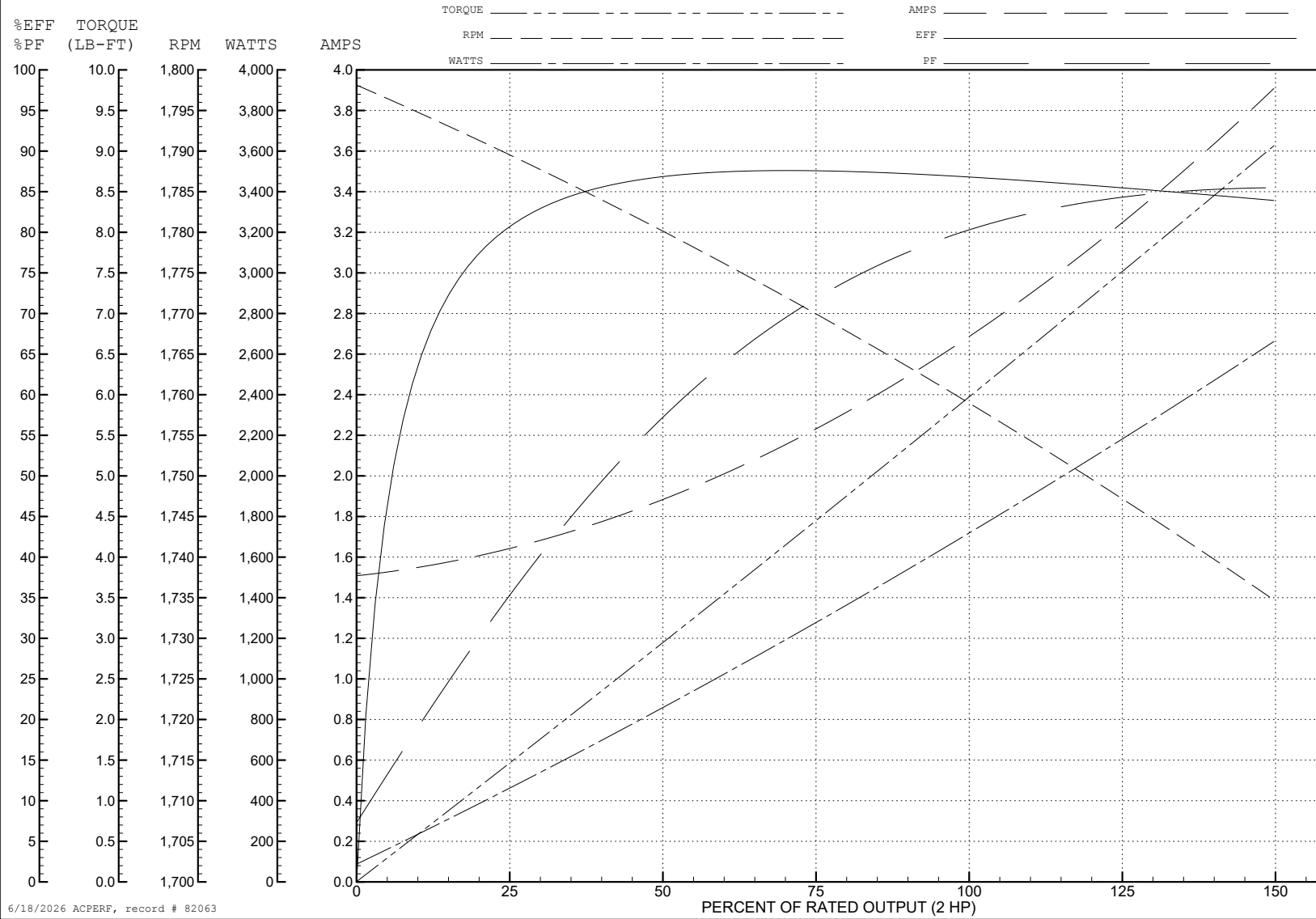
ABB Motors and Mechanical Inc.

WINDING # 05WGX544

Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 1755 RPM 460 V 0534M

TORQUES (LB-FT): PO=25.3 PU=14.8 LR=17.9 LRA=25.8



6/18/2026 ACPERF, record # 82063



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