

# ABB BALDOR RELIANCE III



## Customer information packet

IDM3582T

26M 6P TEBC HOR 145TC T'STATS INVERTER

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEBC
<b>Frame</b>	145TC
<b>Frame Material</b>	Iron
<b>Frequency</b>	60.00 Hz
<b>Haz Area Class and Group</b>	None
<b>Haz Area Division</b>	Not Applicable
<b>Motor Letter Type</b>	Three Phase
<b>Output @ Frequency</b>	1.000 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1200 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	230.0 V @ 60 HZ 460.0 V @ 60 HZ
<b>Agency Approvals</b>	CSA UR
<b>Ambient Temperature</b>	40 °C
<b>Auxiliary Box</b>	NO AUXILLARY BOX
<b>Auxiliary Box Lead Termination</b>	None
<b>Base Indicator</b>	Rigid
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Blower</b>	BLOWER
<b>Current @ Voltage</b>	3.000 A @ 230.0 V 1.500 A @ 460.0 V
<b>Design Code</b>	B
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	82.5 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Front Shaft Indicator</b>	None
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	1.5 a
<b>Insulation Class</b>	H

**Part Detail**

<b>Revision</b>	C
<b>Type</b>	AC
<b>Mech. spec.</b>	05E535
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	05WGX571
<b>Layout</b>	05LYE535
<b>Eff. date</b>	03-16-2026
<b>CD Diagram</b>	CD0005
<b>Poles</b>	06
<b>Leads</b>	9#18
<b>Proprietary</b>	False
<b>Created date</b>	09-09-2022

<b>Inverter Code</b>	Inverter Duty
<b>KVA Code</b>	J
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Max Speed</b>	1800 rpm
<b>Motor Lead Quantity/Wire Size</b>	9 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	0526M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	6
<b>Overall Length</b>	19.15 IN
<b>Power Factor</b>	67
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	C-Face
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	0.875 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible: Connected Standard
<b>Shaft Slinger Indicator</b>	Shaft Slinger
<b>Speed</b>	1170 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>	Normally Closed Thermostat
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP4544L</b>									
<b>CAT.NO.</b>	IDM3582T								
<b>SPEC.</b>	05E535X571G1								
<b>FRAME</b>	145TC	<b>H.P.</b>	1						
<b>VOLTS</b>	230/460								
<b>MAG. CUR.</b>	2/1	<b>F.L. AMPS</b>	3/1.5						
<b>R.P.M.</b>	1170	<b>R.P.M. MAX</b>	1800						
<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>	82.5	<b>WK2</b>	0.189						
<b>BLOWER</b>	<b>V</b>	115	<b>PH</b>	1	<b>HZ</b>	60	<b>AMPS</b>	.5	
<b>RATING</b>	40C AMB-CONT			<b>ENCL</b>	TEBC				
<b>DE</b>	6205	<b>ODE</b>	6203						
<b>CC</b>	010A	<b>SN</b>							
	1000:1 CT/VT								

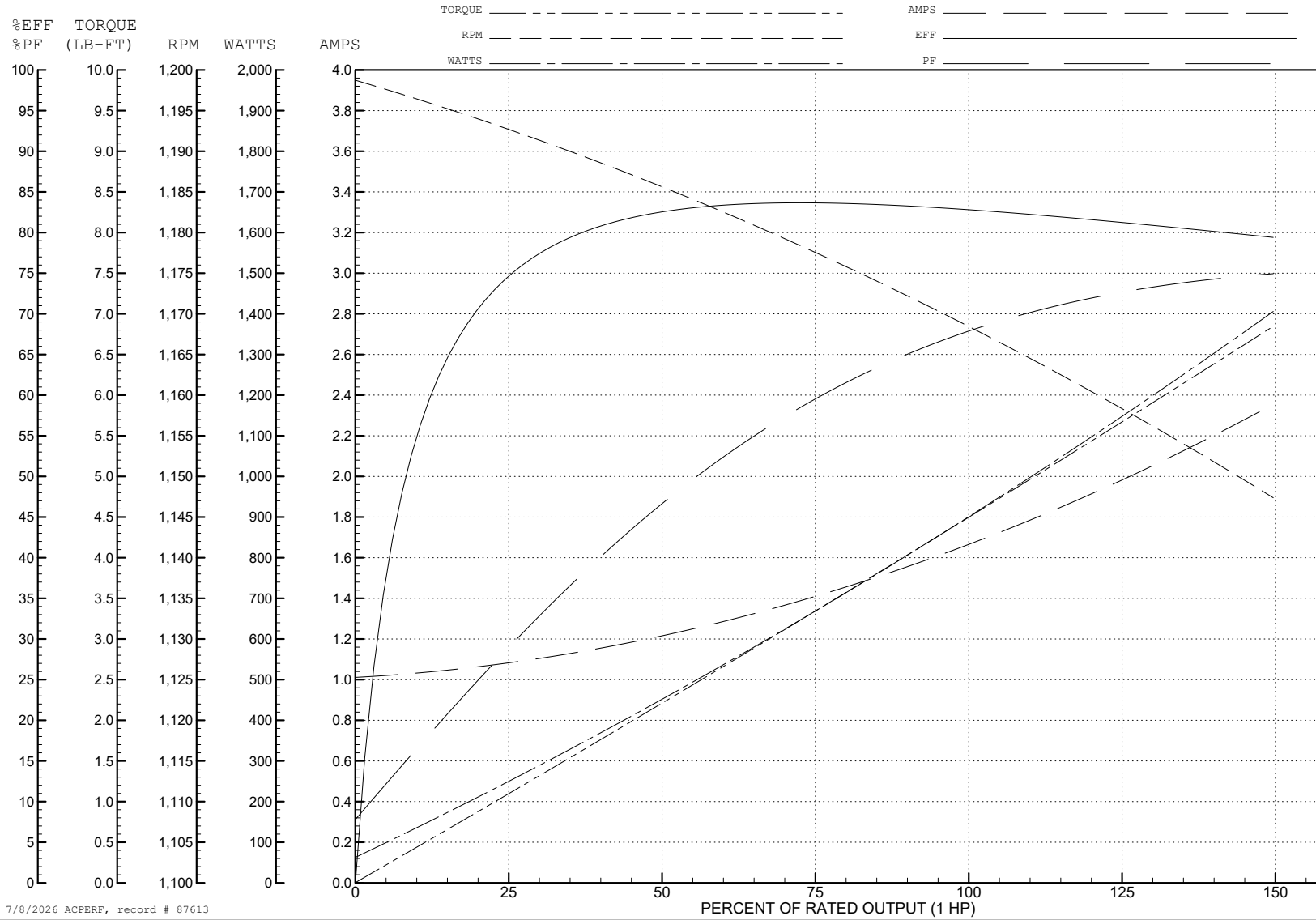
ABB Motors and Mechanical Inc.

WINDING # 05WGX571

1 HP 3 PH 60 HZ 1155 RPM 460 V 0526M

Typical performance - not guaranteed values.

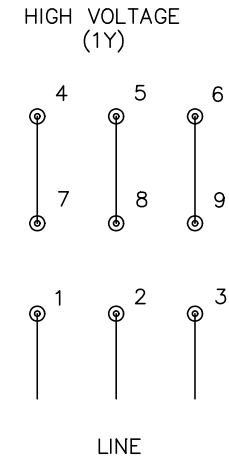
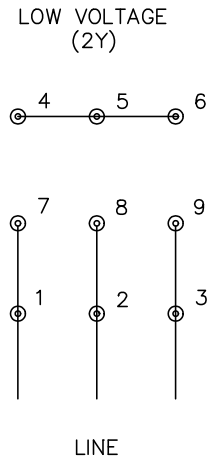
TORQUES (LB-FT): PO=11.9 PU=7.06 LR=8.62 LRA=9.06



7/8/2026 ACPERF, record # 87613



CD0005



**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