

**BALDOR • RELIANCE**

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# Customer information packet

## CCPX32526T

50HP, 3560//2960RPM, 3PH, 60HZ, 326TSCY, XPFC

Class - CLI GP C,D; CLII GP E,F,G

Division - Division I

## Specifications

Enclosure	XPFC
Frame	326TSCY
Frame Material	Iron
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	CLI GP C,D; CLII GP E,F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	40.000 HP @ 50 HZ 50.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	380.0 V @ 50 HZ 230.0 V @ 60 HZ 460.0 V @ 60 HZ 190.0 V @ 50 HZ
Agency Approvals	CSA EEV UL
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
Constant Torque Speed Range	6
Current @ Voltage	56.000 A @ 460.0 V 54.000 A @ 380.0 V 122.000 A @ 208.0 V 112.000 A @ 230.0 V 108.000 A @ 190.0 V
Design Code	A
Drip Cover	No Drip Cover

## Part detail

Revision	G
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	12WGY587
Layout	12LY-000-210
Eff. date	12-10-2024
CD Diagram	CD0180
Poles	02
Leads	9#8
Proprietary	False
Created date	04-29-2019

Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	54.0 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	IP55
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	5400 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1264M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	30.50 IN
Power Factor	89
Product Family	Chemical Process Features
Pulley Face Code	C-Face
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3560 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None

<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>



**AC Induction Motor Performance Data**

Record # 66213

Typical performance - not guaranteed values

Winding: 12WGY587-R004		Type: 1264M	Enclosure: XPFC	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>	
Rated Output (HP)	50	Full Load Torque	74.1 LB-FT	
Volts	230/460	Start Configuration	direct on line	
Full Load Amps	112/56	Breakdown Torque	287 LB-FT	
R.P.M.	3560	Pull-up Torque	107 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque	137 LB-FT
NEMA Design Code	A KVA Code	K	Starting Current	505 A
Service Factor (S.F.)	1	No-load Current	17.6 A	
NEMA Nom. Eff.	93 Power Factor	89	Line-line Res. @ 25°C	0.08644 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	53°C
			Locked-rotor Power Factor	21.5
			Rotor inertia	4.98 LB-FT <sup>2</sup>

**Load Characteristics 460 V, 60 Hz, 50 HP**

% of Rated Load	25	50	75	100	125	150
Power Factor	58	79	86	90	90	91
Efficiency	91.5	94.3	94.8	94.6	94.1	93.5
Speed	3590	3580.8	3570.3	3560.2	3549.3	3538.6
Line amperes	22.4	31.8	43.5	55.6	69	82.4

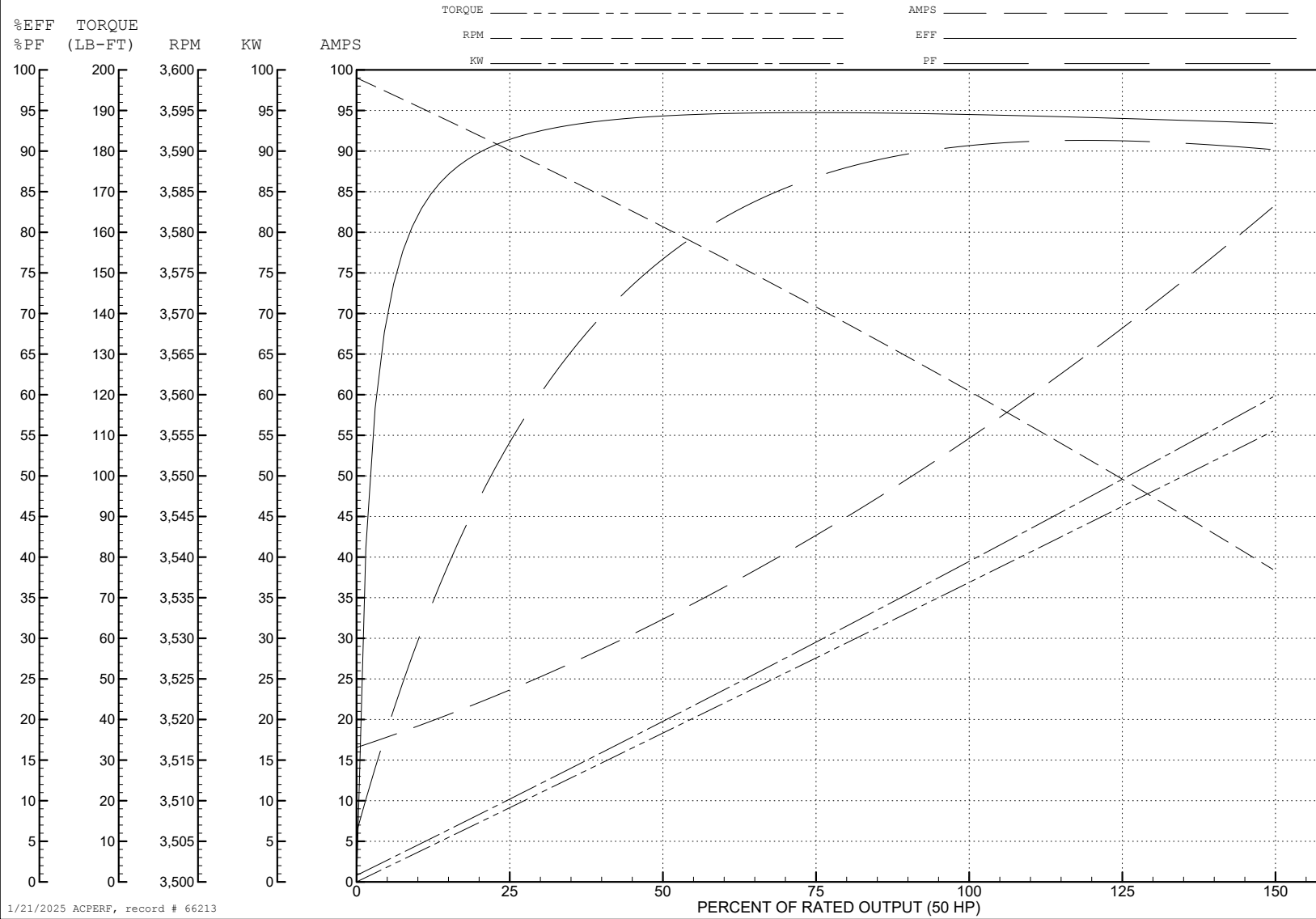
ABB Motors and Mechanical Inc.

WINDING # 12WGY587

Typical performance - not guaranteed values.

50 HP 3 PH 60 HZ 3560 RPM 460 V 1264M

TORQUES (LB-FT): PO=287 PU=107 LR=137 LRA=505



1/21/2025 ACPERF, record # 66213

**AC Induction Motor Performance Data**

Record # 75687

Typical performance - not guaranteed values

<b>Winding: 12WGY587-R003</b>		<b>Type: 1264M</b>		<b>Enclosure: XPFC</b>	
<b>Nameplate Data</b>			<b>380 V, 50 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	50//40		<b>Full Load Torque</b>	71.22 LB-FT	
<b>Volts</b>	230/460//190/380		<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	112/56//108/54		<b>Breakdown Torque</b>	278 LB-FT	
<b>R.P.M.</b>	3560//2960		<b>Pull-up Torque</b>	113 LB-FT	
<b>Hz</b>	60//50	<b>Phase</b>	3	<b>Locked-rotor Torque</b>	145 LB-FT
<b>NEMA Design Code</b>	A	<b>KVA Code</b>	K	<b>Starting Current</b>	495 A
<b>Service Factor (S.F.)</b>	1		<b>No-load Current</b>	17.33 A	
<b>NEMA Nom. Eff.</b>	93	<b>Power Factor</b>	89	<b>Line-line Res. @ 25°C</b>	0.0846 Ω
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	49°C	
<b>S.F. Amps</b>			<b>Temp. Rise @ S.F. Load</b>	60°C	
			<b>Locked-rotor Power Factor</b>	24.1	
			<b>Rotor inertia</b>	4.98 LB-FT <sup>2</sup>	

**Load Characteristics 380 V, 50 Hz, 40 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>	57	78	86	89	90	91
<b>Efficiency</b>	92.7	94.9	95	94.6	94	93.3
<b>Speed</b>	2991	2982	2972	2962	2952	2942
<b>Line amperes</b>	21.78	30.84	42.08	53.81	66.82	79.96

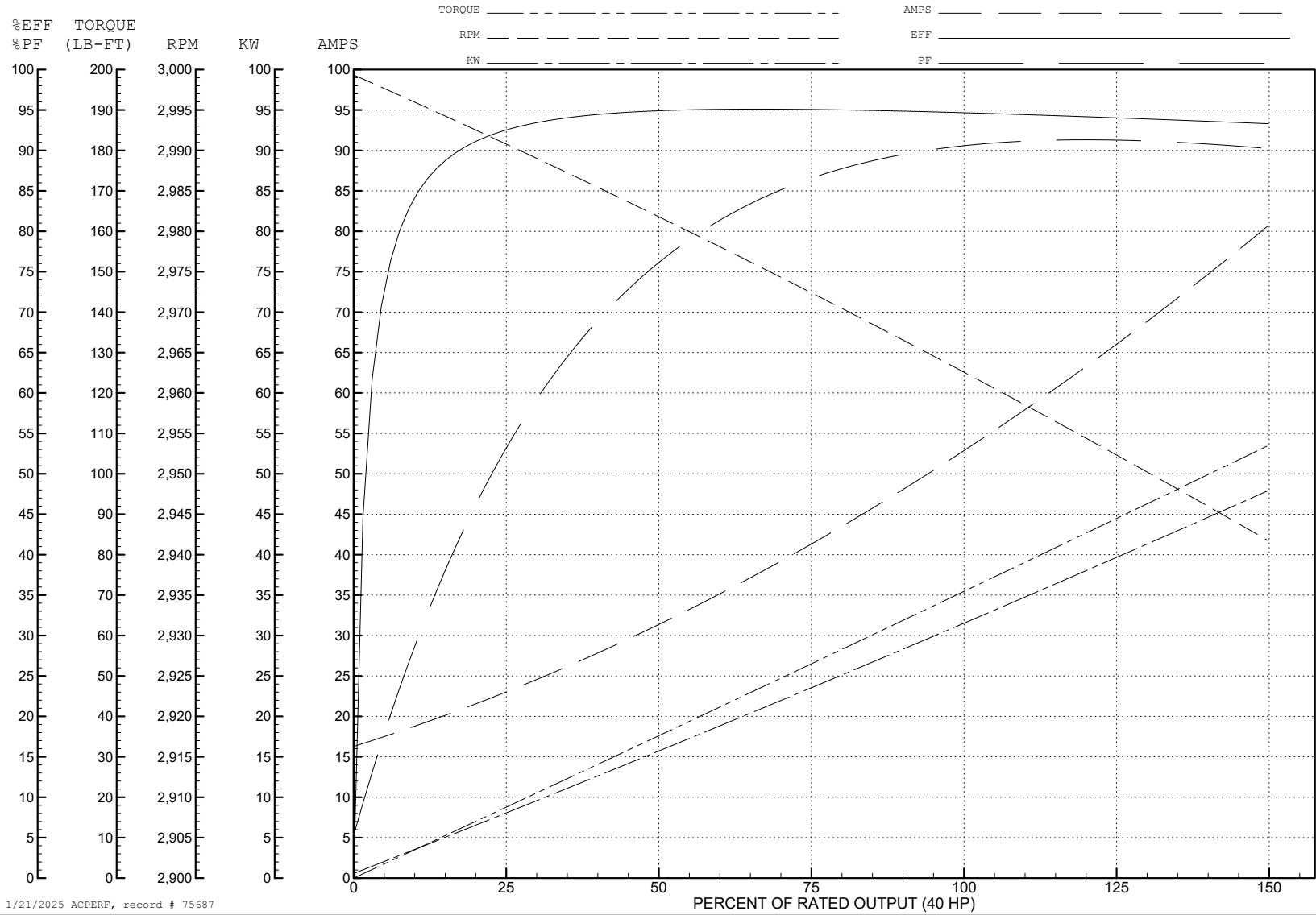
ABB Motors and Mechanical Inc.

WINDING # 12WGY587

Typical performance - not guaranteed values.

40 HP 3 PH 50 HZ 2962 RPM 380 V 1264M

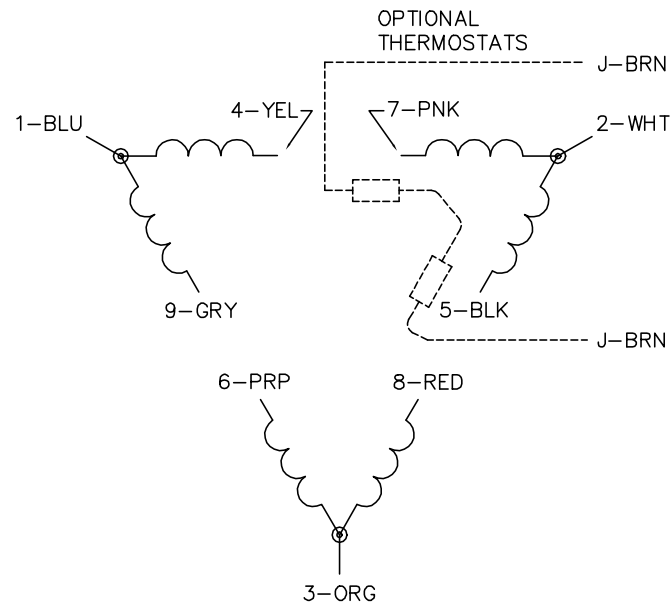
TORQUES (LB-FT): PO=278 PU=113 LR=145 LRA=495



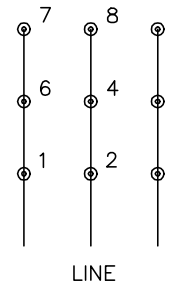
1/21/2025 ACPERF, record # 75687



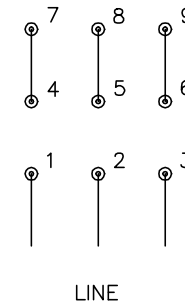
CD0180



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

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10: 25: 29 02/19/2019	BY: ENBRIRO
MTL: -	© □	

**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

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