

ABB BALDOR RELIANCE III

Customer information packet

ECR9256T

25HP, 1180RPM, 3PH, 60HZ, 324T, 1272M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	324T
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	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CCSA US CSA EEV NEMA PREMIUM NEMA_PREMIUM 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
Constant Torque Speed Range	6
Current @ Voltage	34.000 A @ 460.0 V 68.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK

Part Detail

Revision	R
Type	AC
Mech. spec.	12H518
Base	
Status	PRD/A
Elec. spec.	12WGY877
Layout	12LYH518
Eff. date	10-16-2025
CD Diagram	CD0180
Poles	06
Leads	9#8
Proprietary	False
Created date	01-07-2015

Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	34.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 8 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1272M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	30.66 IN
Power Factor	74
Product Family	Super-E Chemical Processing
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.25
Shaft Diameter	2.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1180 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None

Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3293																	
CAT.NO.	ECR9256T			P/N						ENCLOSURE		TEFC					
SPEC.	12H518Y877G1		CC	010A	FRAME		324T		S/N								
HP	25		CLASS		F	HZ	60	DES	A								
RPM	1180	RPM MAX		1800		PH		3	KVA-CODE		K						
VOLT	230/460					I.P.		55									
AMP	68/34			SER.F.		1.25		PF	74	ODE BRG		6312	DE BRG		6313		
RATING	40C AMB-CONT			NEMA-NOM-EFF				93	GREASE		POLYREX EM						
HTR-VOLTS	HTR-AMPS			HTR-WATTS				INV.TYPE									
	SFA 80/40																
				C HP FR		60		C HP TO		90							
				CT HZ FROM			6		CT HZ TO			60					
				MOTOR WEIGHT				630		VT HZ FROM			6		VT HZ TO		60

AC Induction Motor Performance Data

Record # 50104

Typical performance - not guaranteed values

Winding: 12WGY877-R001			Type: 1272M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		25	Full Load Torque		110 LB-FT	
Volts		230/460	Start Configuration		direct on line	
Full Load Amps		68/34	Breakdown Torque		363 LB-FT	
R.P.M.		1180	Pull-up Torque		190 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque		241 LB-FT	
NEMA Design Code		A KVA Code	Starting Current		252 A	
Service Factor (S.F.)		1.25	No-load Current		18 A	
NEMA Nom. Eff.		93 Power Factor	Line-line Res. @ 25°C		0.199 Ω	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		38°C	
S.F. Amps		80/40	Temp. Rise @ S.F. Load		49°C	
			Locked-rotor Power Factor		27.7	
			Rotor inertia		13.8 LB-FT2	

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	68	74	78	80	78
Efficiency	87	92	93.5	93.5	93.9	93.7	93.9
Speed	1197	1195	1191	1188	1184	1181	1184
Line amperes	19.5	23	27.8	33.8	40	46.9	40

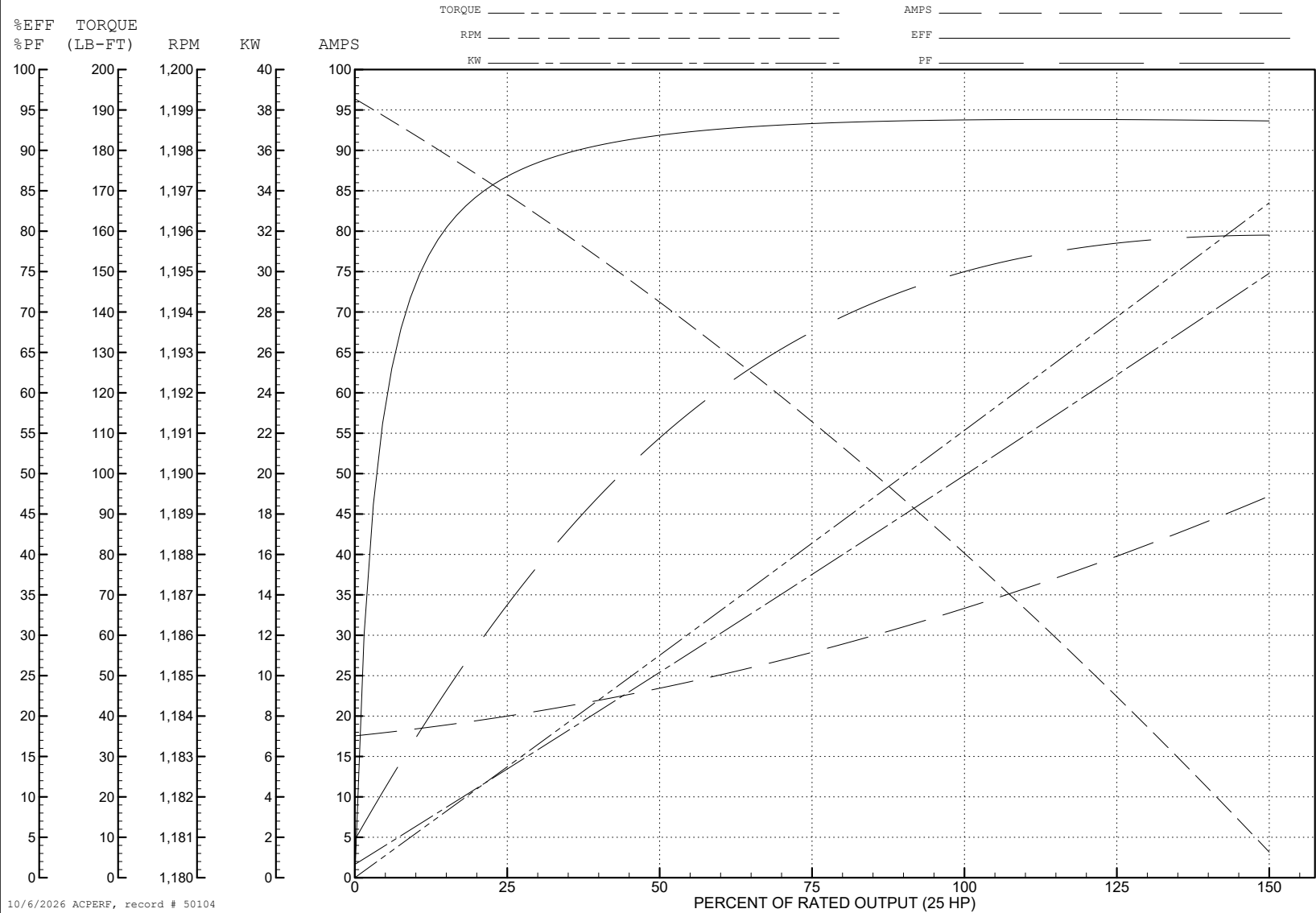
ABB Motors and Mechanical Inc.

WINDING # 12WGY877

Typical performance - not guaranteed values.

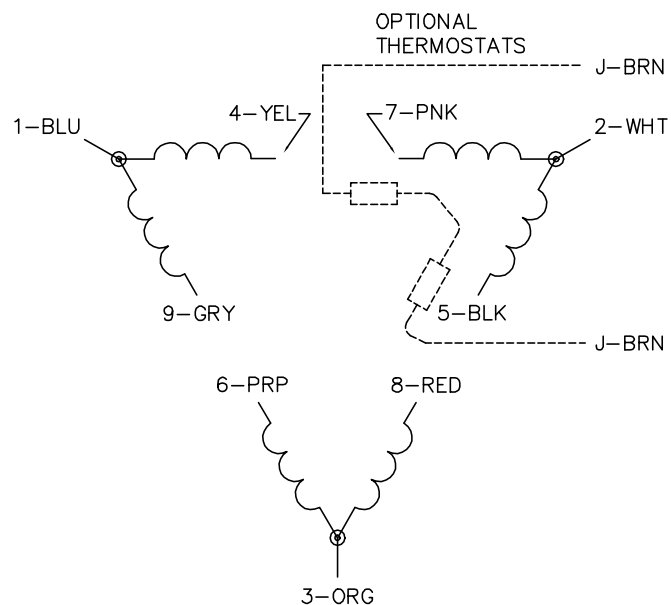
25 HP 3 PH 60 HZ 1180 RPM 460 V 1272M

TORQUES (LB-FT): PO=363 PU=190 LR=241 LRA=252

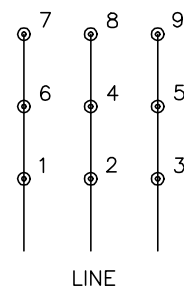




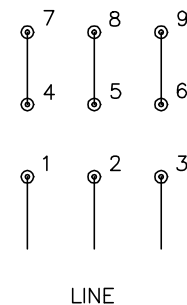
CD0180



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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