

ABB BALDOR RELIANCE III

Customer information packet

KENM3534

.33HP, 1780RPM, 3PH, 60HZ, 56C, 3512M, TENV, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TENV
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	.330 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	C UR US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.700 A @ 230.0 V 1.500 A @ 208.0 V .850 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	0.9 a
Insulation Class	F

Part Detail

Revision	E
Type	AC
Mech. spec.	35E010
Base	
Status	PRD/A
Elec. spec.	35WGG155
Layout	35LYE010
Eff. date	01-05-2026
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	01-10-2022

Inverter Code	Inverter Ready
KVA Code	S
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3512M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.06 IN
Power Factor	49
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1780 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

NP2116L									
CAT.NO.	KENM3534								
SPEC.	35E010G155G2								
HP	.33								
VOLTS	230/460								
AMP	1.7/.85								
RPM	1780								
FRAME	56C		HZ	60		PH	3		
SER.F.	1.15	CODE	S	DES	B	CL	F		
NEMA-NOM-EFF	75.5	PF	49						
RATING	40C AMB-CONT								
CC									
DE	6205	ODE	6203						
ENCL	TENV	SN							
	SFA 1.8/.9								

AC Induction Motor Performance Data

Record # 82225

Typical performance - not guaranteed values

Winding: 35WGG155-R016			Type: 3512M		Enclosure: TENV	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		.33	Full Load Torque		0.977 LB-FT	
Volts		230/460	Start Configuration		direct on line	
Full Load Amps		1.7/.85	Breakdown Torque		6.28 LB-FT	
R.P.M.		1780	Pull-up Torque		3.26 LB-FT	
Hz		60	Phase		3	
NEMA Design Code		B	KVA Code		S	
Service Factor (S.F.)		1.15	No-load Current		0.792 A	
NEMA Nom. Eff.		75.5	Power Factor		49	
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load	
S.F. Amps		1.8/.9	Temp. Rise @ S.F. Load		52°C	
			Locked-rotor Power Factor		70.8	
			Rotor inertia		0.0866 lb-ft²	

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	22	31	41	49	57	63	54
Efficiency	47.4	63.1	70.8	75.1	77.6	79.1	76.6
Speed	1794	1789	1785	1780	1774	1769	1776
Line amperes	0.786	0.791	0.814	0.839	0.878	0.933	0.862

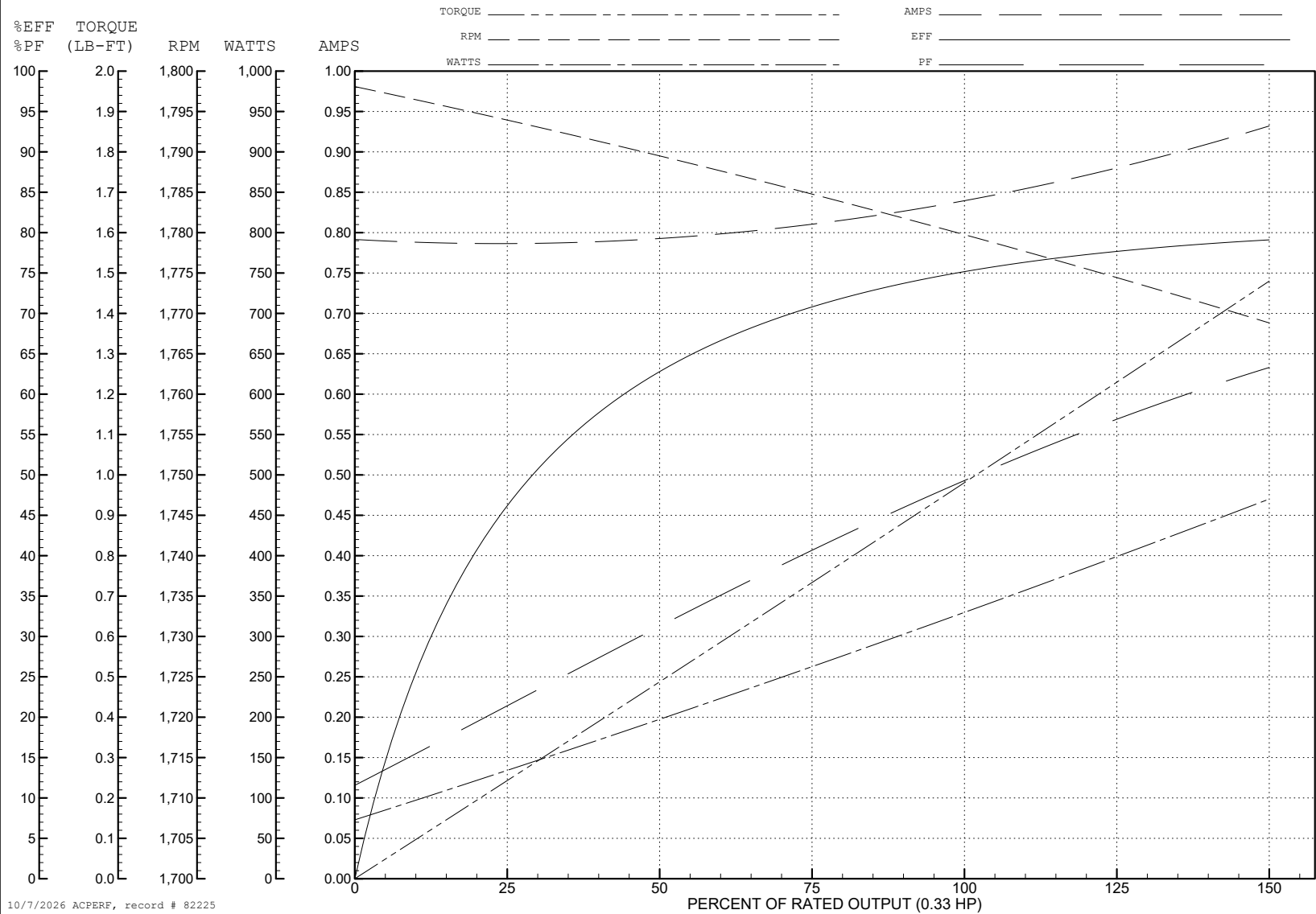
ABB Motors and Mechanical Inc.

WINDING # 35WGG155

Typical performance - not guaranteed values.

0.33 HP 3 PH 60 HZ 1780 RPM 460 V 3512M

TORQUES (LB-FT) : PO=6.28 PU=3.26 LR=4.04 LRA=6.71



10/7/2026 ACPERF, record # 82225

