

BALDOR • RELIANCE

Customer information packet

XM05162

1//.75HP, 1155//970RPM, 3PH, 60//50HZ, 56, 35

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	56
Frame Material	Steel
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	.750 HP @ 50 HZ 1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	380.0 V @ 50 HZ 230.0 V @ 60 HZ 190.0 V @ 50 HZ 460.0 V @ 60 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	2.2
Current @ Voltage	3.500 A @ 208.0 V 3.200 A @ 190.0 V 3.000 A @ 230.0 V 1.600 A @ 380.0 V 1.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover

Part detail

Revision	B
Type	AC
Mech. spec.	35E356
Base	
Status	PRD/A
Elec. spec.	35WGG019
Layout	35LYE356
Eff. date	07-10-2024
CD Diagram	CD0005
Poles	06
Leads	9#18 Y
Proprietary	False
Created date	09-09-2022

Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	1.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X3526M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	15.17 IN
Power Factor	67
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1155 rpm 970 rpm

Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP0887XPSLEV										
NO.		CC	010A							
S/N		TEMP CODE	T3C							
SPEC.	35E356G019G1		INV.TYPE	PWM						
CAT.NO.	XM05162		C HP FR	60	C HP TO	90				
HP	1//.75		CT HZ FROM	2.2	CT HZ TO	60				
VOLTS	230/460//190/380		VT HZ FROM	2.2	VT HZ TO	60				
AMPS	3/1.5//3.2/1.6		MAG CUR	2/1						
RPM	1155//970		MX RPM	1800						
HZ	60//50	PH	3	CL	F	NOM.EFF.	82.5			
SER.F.	1.00	DES	B	SL HZ	1.5	WK2	0.189			
FRAME	56	RATING	40C AMB-CONT							
			55C AMB AT 1.00 SF SINEWAVE							
			NEMA MG-1 PART 5, IP54				1.15 SF SINEWAVE			

AC Induction Motor Performance Data

Record # 87727

Typical performance - not guaranteed values

Winding: 35WGG019-R008		Type: 3526M		Enclosure: XPFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	1//.75		Full Load Torque	4.48 LB-FT	
Volts	230/460//190/380		Start Configuration	direct on line	
Full Load Amps	3/1.5//3.2/1.6		Breakdown Torque	11.9 LB-FT	
R.P.M.	1155//970		Pull-up Torque	7.1 LB-FT	
Hz	60//50	Phase	3	Locked-rotor Torque	8.6 LB-FT
NEMA Design Code	B KVA Code		J	Starting Current	9.1 A
Service Factor (S.F.)			1	No-load Current	1.02 A
NEMA Nom. Eff.	82.5	Power Factor	67	Line-line Res. @ 25°C	21.1 Ω
Rating - Duty			40C AMB-CONT	Temp. Rise @ Rated Load	46°C
S.F. Amps				Temp. Rise @ S.F. Load	56°C
				Locked-rotor Power Factor	48.3
				Rotor inertia	0.189 lb-ft ²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	29	47	59	67	72	75
Efficiency	73.5	81.9	83.5	83.1	81.6	79.1
Speed	1193	1185	1178	1169	1159	1147
Line amperes	1.07	1.21	1.41	1.67	1.98	2.35

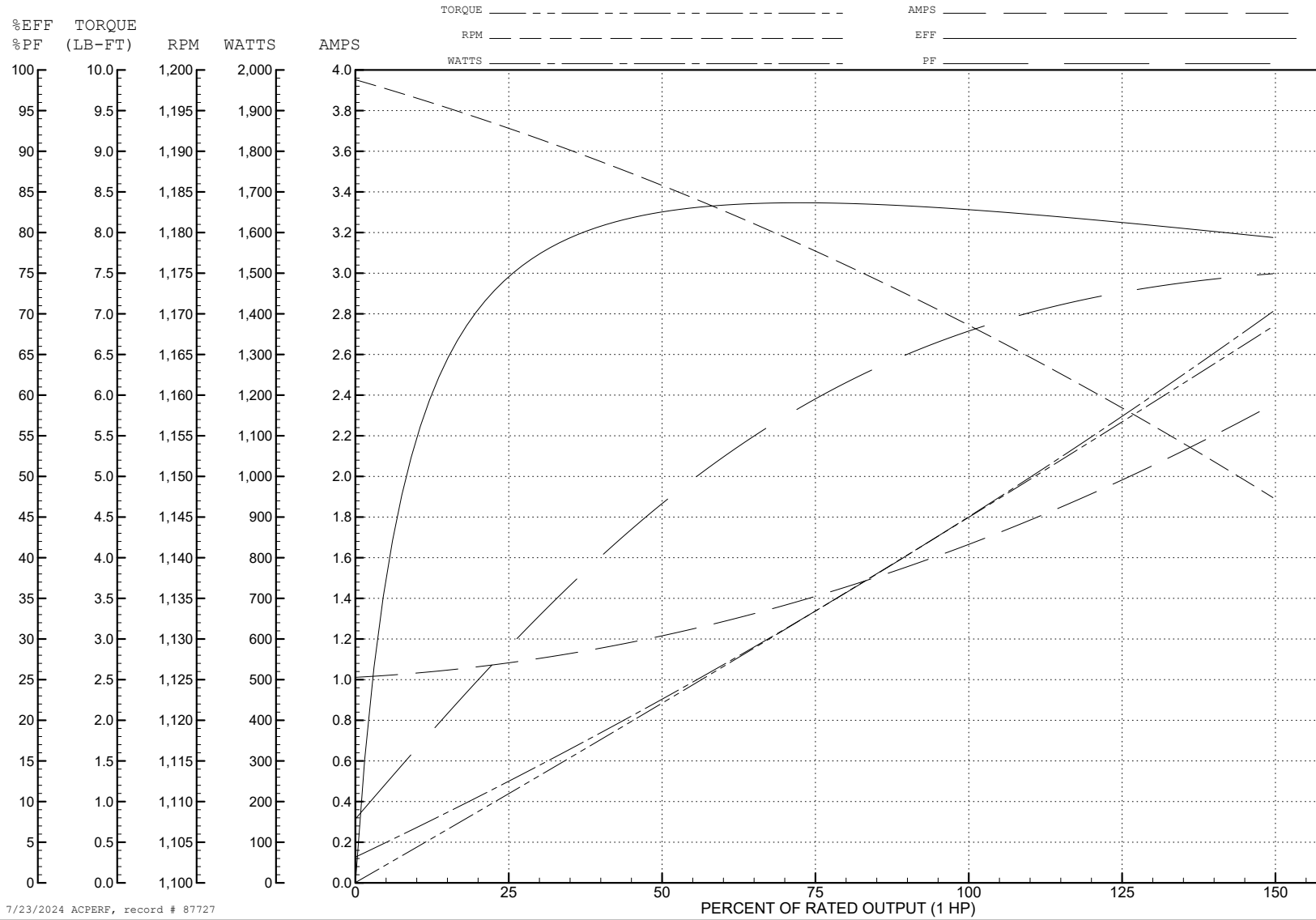
ABB Motors and Mechanical Inc.

WINDING # 35WGG019

1 HP 3 PH 60 HZ 1169 RPM 460 V 3526M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=11.9 PU=7.1 LR=8.6 LRA=9.1



7/23/2024 ACPERF, record # 87727

CD0005

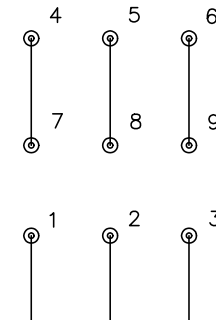


LOW VOLTAGE
(2Y)



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