



Customer information packet

XL050742A

0.75HP, 1750RPM, 1PH, 60HZ, 56, 3528L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	56
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.750 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA UL
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
Current @ Voltage	10.800 A @ 115.0 V 5.400 A @ 230.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T4
Heater Indicator	No Heater
High Voltage Full Load Amps	5.4 a
Insulation Class	B

Part detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	35WGA0040
Layout	35LYE353
Eff. date	11-27-2024
CD Diagram	CD0008
Poles	04
Leads	6#18,1#14 4TH
Proprietary	False
Created date	05-05-2021

Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.15 IN
Power Factor	68
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1750 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	Automatic Thermal Overload
Winding Thermal 1 Location	EP
Winding Thermal 2	None

Nameplate

NP0016XPSL					
NO.		CC			
SER. #					
SPEC	35-0000-1159				
CAT.NO.	XL050742A				
H.P.	.75	T. CODE	T4		
VOLTS	115/230				
AMPS	10.8/5.4				
R.P.M.	1750 35WGA0040				
HZ	60	PH	1	CLASS	B
SER.F.	1.00	DES	N	CODE	M
RATING	40C AMB-CONT				
FRAME	56	NEMA NOM. EFF			70
		PF	68		
BLANK	NEMA MG-1 PART 5, IP54				

AC Induction Motor Performance Data

Record # 88835

Typical performance - not guaranteed values

Winding: 35WGA0040-R001				Type: 3528L		Enclosure: XPFC	
Nameplate Data				115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		0.75		Full Load Torque		2.24 LB-FT	
Volts		115/230		Start Configuration		direct on line	
Full Load Amps		10.8/5.4		Breakdown Torque		7 LB-FT	
R.P.M.		1760		Pull-up Torque		3.01 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		7.92 LB-FT	
NEMA Design Code		N	KVA Code	M	Starting Current		78.24 A
Service Factor (S.F.)		1		No-load Current		7.6 A	
NEMA Nom. Eff.		78	Power Factor	68	Line-line Res. @ 25°C		0.684 Ω A Ph 1.69 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		35°C	
				Locked-rotor Power Factor		93.3	
				Rotor inertia		0.166 lb-ft²	

Load Characteristics 115 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	36	49	61	68	76	80
Efficiency	44.6	59.3	63.7	66.7	66.1	64.3
Speed	1792	1785	1773	1761	1751	1732
Line amperes	7.87	8.55	9.45	10.77	12.06	13.89

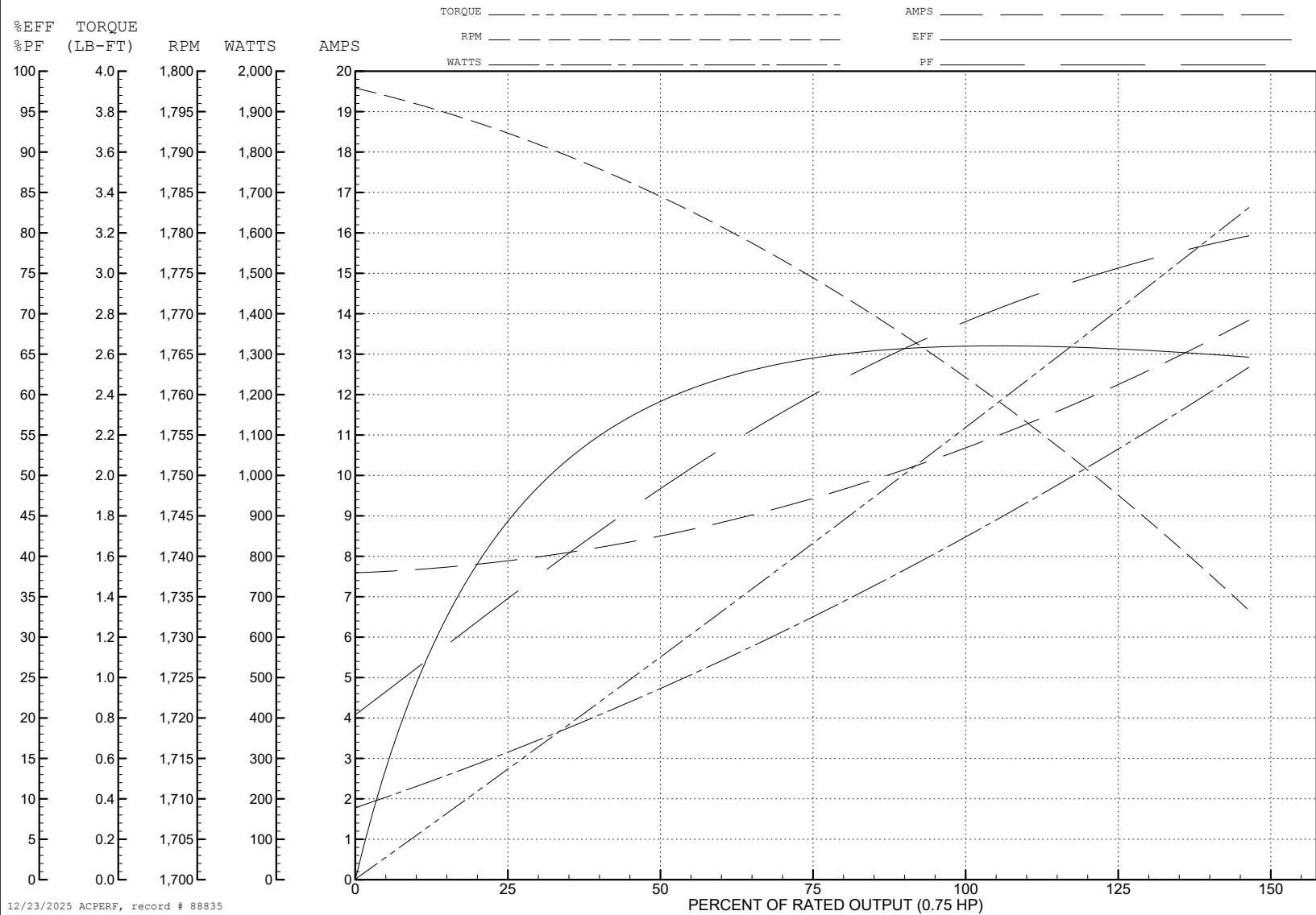
ABB Motors and Mechanical Inc.

WINDING # 35WGA0040

Typical performance - not guaranteed values.

0.75 HP 1 PH 60 HZ 1760 RPM 115 V 3528L

TORQUES (LB-FT) : PO=7 PU=3.01 LR=7.92 LRA=78.24



12/23/2025 ACPERF, record # 88835

