ABB BALDOR RELIANCE

Customer information packet

P56H5040

.33HP, 1725RPM, 3PH, 60HZ, 56C, 3413M, XPFC, F1
Class - Universal
Division - Not Applicable

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Specifications

Enclosure	XPFC
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	Universal
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	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	UL
	CSA
	UR
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	.800 A @ 460.0 V
	1.600 A @ 230.0 V
	1.800 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	67.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	X
Type	AC
Mech. spec.	34-7271
Base	
Status	PRD/A
Elec. spec.	34WG5723
Layout	34LY7271
Eff. date	09-28-2026
CD Diagram	CD0007
Poles	04
Leads	12#18
Proprietary	False
Created date	04-12-2007

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	0.8 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	12 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3413M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.22 IN
Power Factor	57
Product Family	Hazardous Location Motor
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Do Not Use Eve-Not Valiid
Vibration Sensor Indicator	No Vibration Sensor

Winding Thermal 1	Automatic Thermal Overload
Winding Thermal 1 Location	EP
Winding Thermal 2	None

Nameplate

NP2771L									
CAT.NO.	P56H5040								
SPEC.	34-7271-5723G1								
HP	.33								
VOLTS	208-230/460								
AMP	1.8-1.6/.8								
RPM	1725								
FRAME	56C	**HZ**	60		**PH**	3			
SER.F.	1.00	**CODE**	L	**DES**	B	**CL**	F		
NEMA-NOM-EFF	67	**PF**	57						
RATING	40C AMB-CONT								
CC									
DE	6203	**ODE**	6203						
ENCL	XPFC	**SN**							
	MACCUSTOMMOTOR								

NP1763XPSL			
NO.			
SPEC.	34-7271-5723G1		
XPNPCL1	I	**XPNPGR1**	D
XPNPCL2	II	**XPNPGR2**	F & G
XPNPCL3	I	**XPNPZN3**	1
XPNPTEMP	T3C	**XPNPGR3**	IIA
BLANK	MACCUSTOMMOTOR		
BLANK	THERMALLY PROTECTED		

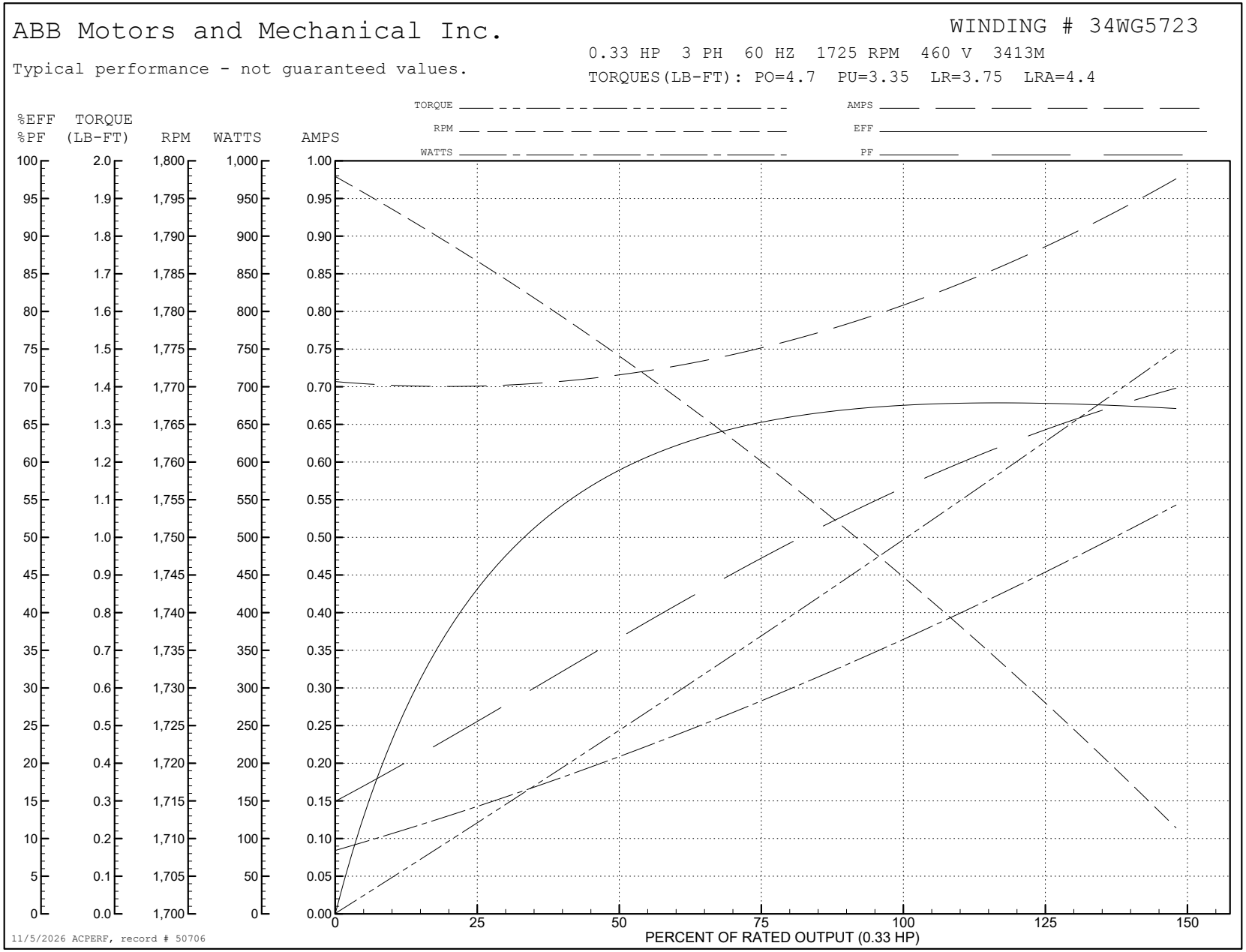
AC Induction Motor Performance Data
Record # 50706
Typical performance - not guaranteed values

Winding: 34WG5723-R002	**Type:** 3413M	**Enclosure:** XPFC

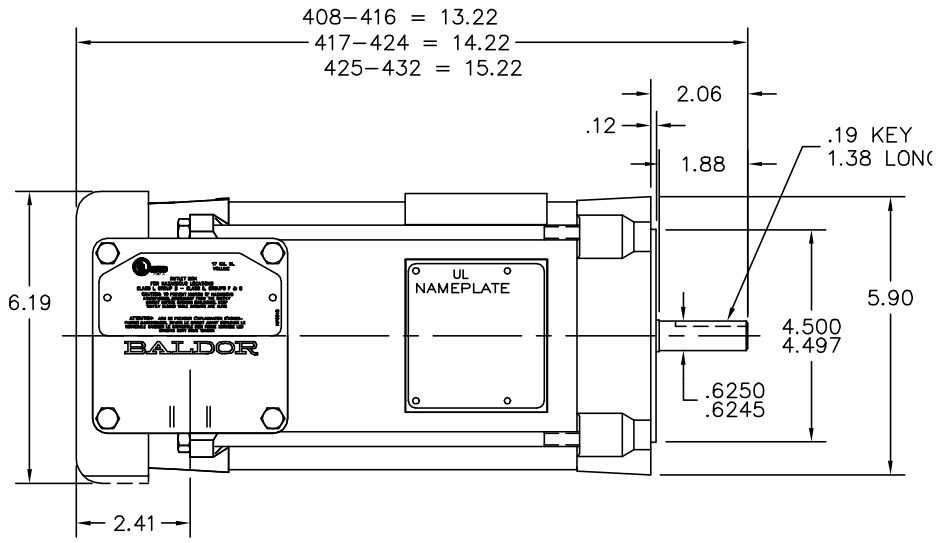
Nameplate Data			**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		.33	**Full Load Torque**	1 LB-FT
Volts		208-230/460	**Start Configuration**	direct on line
Full Load Amps		1.8-1.6/.8	**Breakdown Torque**	4.7 LB-FT
R.P.M.		1725	**Pull-up Torque**	3.35 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	3.75 LB-FT
NEMA Design Code	B **KVA Code**	L	**Starting Current**	4.4 A
Service Factor (S.F.)		1	**No-load Current**	0.7 A
NEMA Nom. Eff.	67 **Power Factor**	57	**Line-line Res. @ 25ºC**	49.1 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	47°C

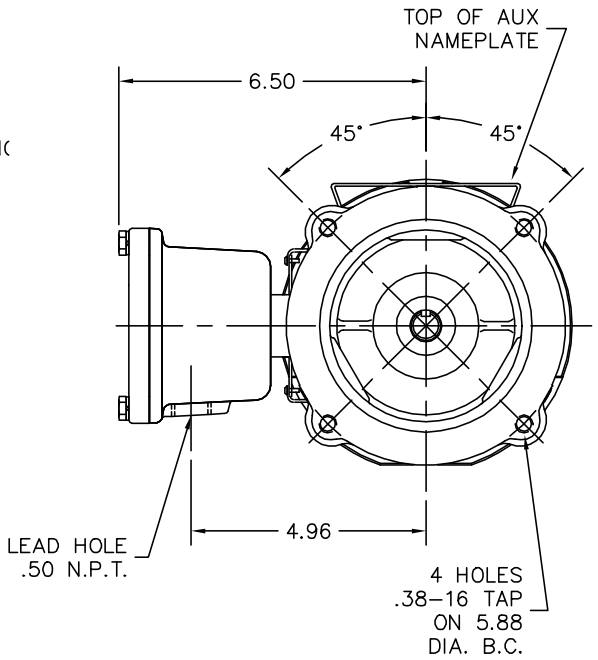
Load Characteristics 460 V, 60 Hz, 0.33 HP

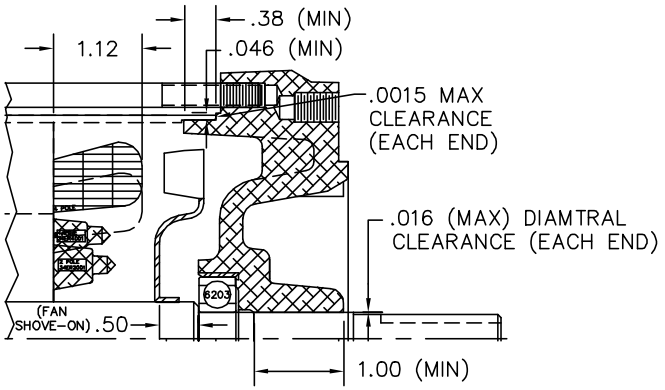
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	28	40	50	57	64	69
Efficiency	44	59	65	68	68	67
Speed	1788	1770	1760	1745	1730	1710
Line amperes	0.7	0.73	0.77	0.8	0.85	1


ABB Motors and Mechanical Inc.
WINDING # 34WG5723
Typical performance - not guaranteed values.
0.33 HP 3 PH 60 HZ 1725 RPM 460 V 3413M
TORQUES(LB-FT): PO=4.7 PU=3.35 LR=3.75 LRA=4.4
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.33 HP)
11/5/2026 ACPERF, record # 50706

34LY7271







CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE PARTS, DIMENSIONS & DESCRIPTION		
REV. LTR: B	VERSION: 02	TDR: 000000957531
FILE: \AAA\00145\917	REVISED: 09:45:33 12/16/2015	BY: ENJERWO
MTL: –		

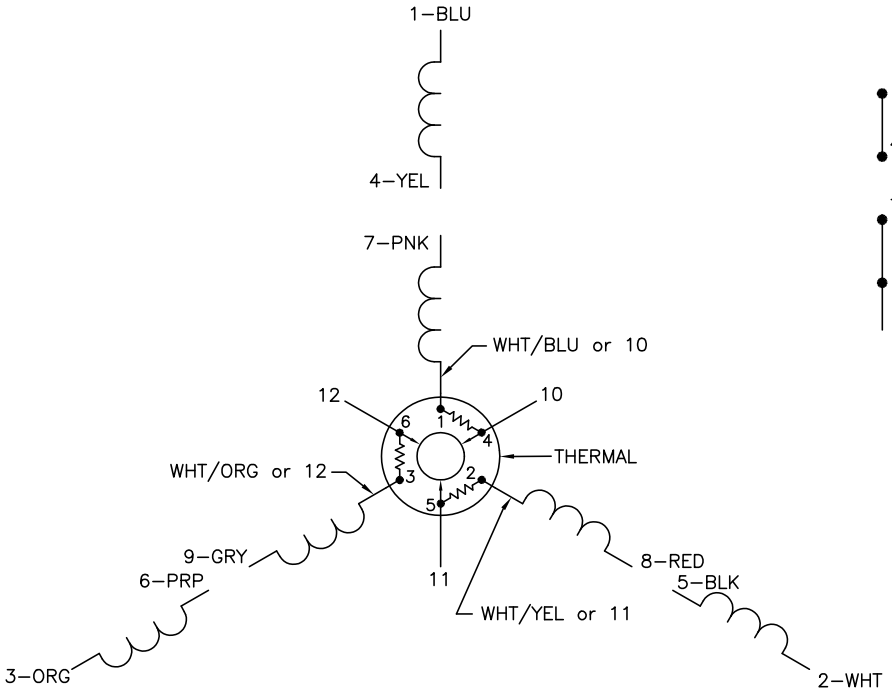
BALDOR

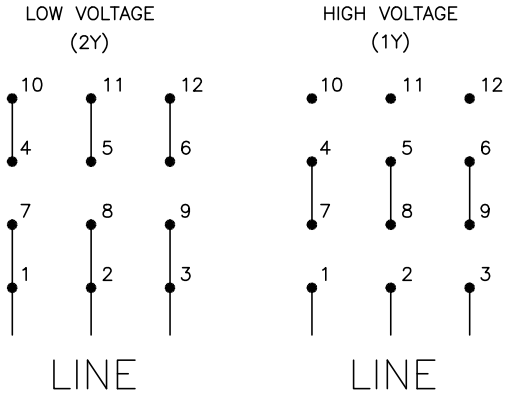
VERT X34M 56C XPFC, CL–I GP–D, CL–II GP–F&G, W/AUX NAMEPLATE

SH 1 of 1

34LY7271

CD0007





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED "CK" PLANT CODE			BALDOR ELECTRIC Co.
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
CD0007		FILE: AAA00008370	MDL: –
		MTL: –	3PH, DV, THERMAL, 12 LEADS

CD0007