

ABB BALDOR RELIANCE III

Customer information packet

KEL11205A

.33HP, 3475RPM, 1PH, 60HZ, 56C, 3413LC, OPEN, F

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	.330 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 115.0 V @ 60 HZ
Agency Approvals	CURUSEEV
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	3.000 A @ 115.0 V 1.600 A @ 208.0 V 1.500 A @ 230.0 V
Design Code	N
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.5 a

Part Detail

Revision	J
Type	AC
Mech. spec.	34M524
Base	
Status	PRD/A
Elec. spec.	34WGR280
Layout	34LYM524
Eff. date	10-29-2024
CD Diagram	CD0320
Poles	02
Leads	7#18 Y
Proprietary	False
Created date	02-05-2015

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	7 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3413LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.66 IN
Power Factor	97
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.35
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	3475 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	SB

Winding Thermal 2

None

Nameplate

NP3273L												
CAT.NO.	KEL11205A											
SPEC.	34M524R280G1											
HP	.33											
VOLTS	115/230											
AMP	3/1.5											
RPM	3475											
FRAME	56C			HZ		60			PH		1	
SER.F.	1.35		CODE		H	DES		N	CL	F		
F.L. AVG. EFF.	70.5		PF		97							
RATING	40C AMB-CONT											
CC												
DE	6203			ODE		6203						
ENCL	OPEN	SN										
	SFA 3.9/1.95											

Parts List

Part number	Description	Quantity
SA293342	SA 34M524R280G1	1.000 ea
RA279440	RA 34M524R280G1	1.000 ea
OC3025F11	CYL OIL CAP 25MFD/370V	1.000 ea
EC4189A01	ELEC CAP, 189-227 MFD, 125V, 1.48D X 2.	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
34EP3200A03SP	FR ENDPLATE, MACH	1.000 ea
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 ea
34CB3801	CAPACITOR BOX, DIE CAST	1.000 ea
51XB1214A08	12-14 X 1/2HX WS SL SR TYBX	2.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
34EP3400A05	PU ENDPLATE, MACH	1.000 ea
34AD2000	BAFFLE PLATE, STAMPED	1.000 ea
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 ea
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 ea
34FH4000A11	DRIP COVER, STAMPED,PRIMER	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 ea
MG1050Y01	CELEROL BALDOR GOLD *5 GALLON BUCKET*	0.014 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
HA3100A16	THRUBOLT 10-32 X 8.750	4.000 ea
SP5181A01	MODEL 35 TORQ STATIONARY SWITCH LEAD ASS	1.000 ea
LC0269	1PH,DV,REV,THERMAL,7 LD,L.AMP THRU HTR H	1.000 ea
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea

NP3273L	ALUM SUPER-E THERMALLY PROTECTED, LASER	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A07	1.000 ea
PK3083	STYROFOAM PACKING CRADLE	1.000 ea
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS	1.000 ea
34GS5003A01	FOAM SLEEVE, ID = 2 1/16" X 4 3/8"	3.000 ea

AC Induction Motor Performance Data

Record # 49135

Typical performance - not guaranteed values

Winding: 34WGR280-R001			Type: 3413LC		Enclosure: OPEN			
Nameplate Data			115 V, 60 Hz: Low Voltage Connection					
Rated Output (HP)		.33	Full Load Torque		0.495 LB-FT			
Volts		115/230	Start Configuration		direct on line			
Full Load Amps		3/1.5	Breakdown Torque		1.37 LB-FT			
R.P.M.		3475	Pull-up Torque		1.11 LB-FT			
Hz		60 Phase	1		Locked-rotor Torque		1.63 LB-FT	
NEMA Design Code		N	KVA Code		H		Starting Current	21.7 A
Service Factor (S.F.)		1.35		No-load Current		0.91 A		
NEMA Nom. Eff.		70.5	Power Factor		97		Line-line Res. @ 25°C	1.8711 Ω A Ph 3.6847 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		14°C		
S.F. Amps		3.9/1.95		Temp. Rise @ S.F. Load		17°C		

Load Characteristics 115 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	97	98	98	99	99	98	99
Efficiency	43.3	61.5	70.3	74.5	76.4	77.7	76.9
Speed	3567.1	3549.9	3526.5	3501.3	3474.4	3445.4	3463
Line amperes	1.29	1.76	2.32	2.91	3.54	4.2	3.8

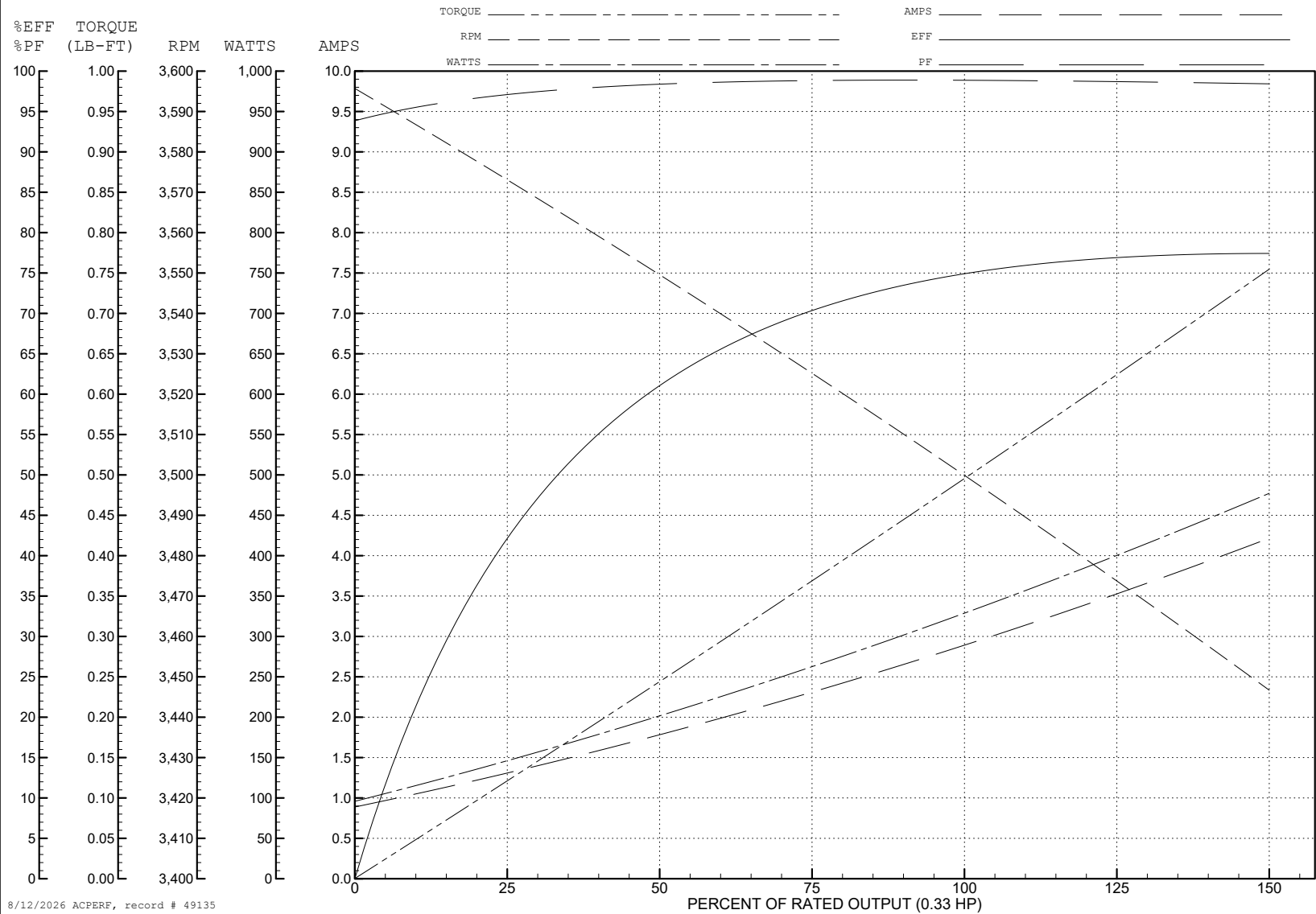
ABB Motors and Mechanical Inc.

WINDING # 34WGR280

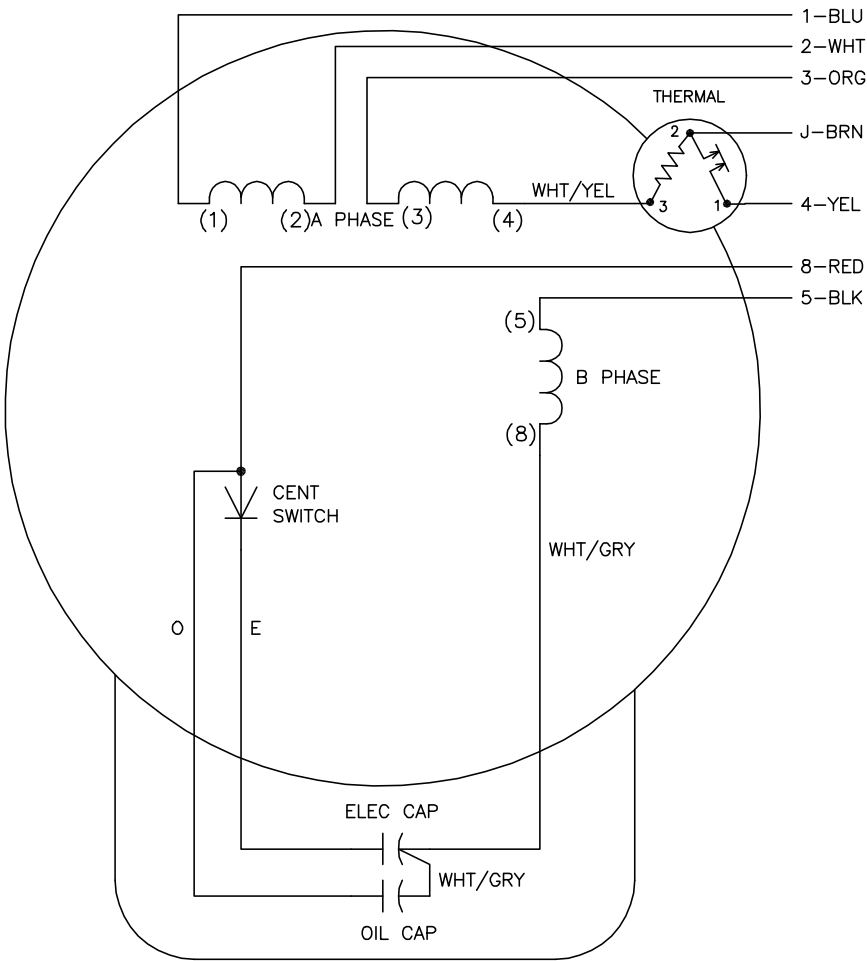
Typical performance - not guaranteed values.

0.33 HP 1 PH 60 HZ 3475 RPM 115 V 3413LC

TORQUES (LB-FT): PO=1.37 PU=1.11 LR=1.63 LRA=21.7



CD0320



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4	2,3,5	J
HIGH OPP	1,5	4	2,3,8	J
LOW STD	1,3,8	4	—	2,J,5
LOW OPP	1,3,5	4	—	2,J,8

- NOTES:
1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0320

REV. DESC: ADD INTERNAL CONNECTION TO HELP MANUFACTURING		
REV. LTR: G	VERSION: 01	TDR: 000000941594
FILE: \AAA\00007\422	REVISED: 02: 21: 00 08/28/2015	BY: ENALEMO
MTL: —	© □	

BALDOR

TYPE LC, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD
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