

BALDOR® • RELIANCE

Paquete de información de producto

VEM3559

3HP,3450RPM,3PH,60HZ,56C,3532M,TEFC,F1,N

Detalle producto							
Revisión:	S	Estado:	PRD/A	Núm. cambio:		Propietario:	No
Tipo:	AC	Spec elec.:	35WGQ060	Diagrama Conexión:	CD0005	Planta fabr.:	
Spec Mec.:	35A013	Diseño:	35LYA013	Polos:	02	Fecha de creación:	01-30-2011
Base:	N	Efec. Fecha:	07-28-2020	Cables:	9#18		

Specs			
Catalog Number:	VEM3559	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Ready
Frame:	56C	KVA Code:	L
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	3.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3532M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	92
	CSA EEV	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	No Mounting	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	3.600 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	7.200 A @ 230.0 V	Shaft Rotation:	Reversible
	7.900 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Placa NP3441LUA

CAT.NO.	VEM3559										
SPEC	35A013Q060G1										
HP	3										
VOLTS	230/460										
AMPS	7.2/3.6										
RPM	3450										
FRAME	56C				HZ		60		PH	3	
SF	1.15		CODE		L	DES		B	CLASS	F	
NEMA NOM. EFF	86.5			PF		92					
RATING	40C AMB-CONT										
CC	010A				USABLE AT 208V						7.9
ENCL	TEFC		SER								
DE	6205				ODE		6203				
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1											
	50Hz 3HP 190/380V 8.8/4.4A										

SF1.0

Lista de partes		
Núm. parte	Descripción	Cantidad
SA216169	SA 35A013Q060G1	1.000 EA
RA203360	RA 35A013Q060G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X X	1.000 EA
35CB3007	CAJA DE CONEXION	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	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
35EP3122K00	MASTER ODE,203 BRG,.683SH,#26 DRN,FH MTG	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3307F00	MASTER DE,205 BRG,.998SH,#26 DRN	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A32SP	IEC FH NO GRSR W/3 HOLES - PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT **ORDER INDIV PARTS	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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA

Lista de partes (cont.)		
Núm. parte	Descripción	Cantidad
NP3441LUA	ALUM SUPER-E VPWM INV READY UL CSA-EEV C	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
PK3083	STYROFOAM PACKING CRADLE	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 50261

Typical performance - not guaranteed values

Winding: 35WGQ060-R002		Type: 3532M	Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)		3	Full Load Torque	4.5 LB-FT
Volts		230/460	Start Configuration	direct on line
Full Load Amps		7.2/3.6	Breakdown Torque	18 LB-FT
R.P.M.		3450	Pull-up Torque	11 LB-FT
Hz	60 Phase	3	Locked-rotor Torque	16 LB-FT
NEMA Design Code	B KVA Code	L	Starting Current	33 A
Service Factor (S.F.)		1.15	No-load Current	1.2 A
NEMA Nom. Eff.	86.5 Power Factor	92	Line-line Res. @ 25°C	4.72 Ω
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load	61°C
S.F. Amps			Temp. Rise @ S.F. Load	76°C

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	62	81	88	92	93	94	93
Efficiency	83.7	87.9	88.2	87.2	85.6	83.5	86.2
Speed	3562	3531	3498	3462	3421	3375	3437
Line amperes	1.5	2.1	2.8	3.6	4.5	5.4	4.1

Gráfica de desempeño 460V, 60Hz, 3.0HP Desempeño típico - Sin valores garantizados

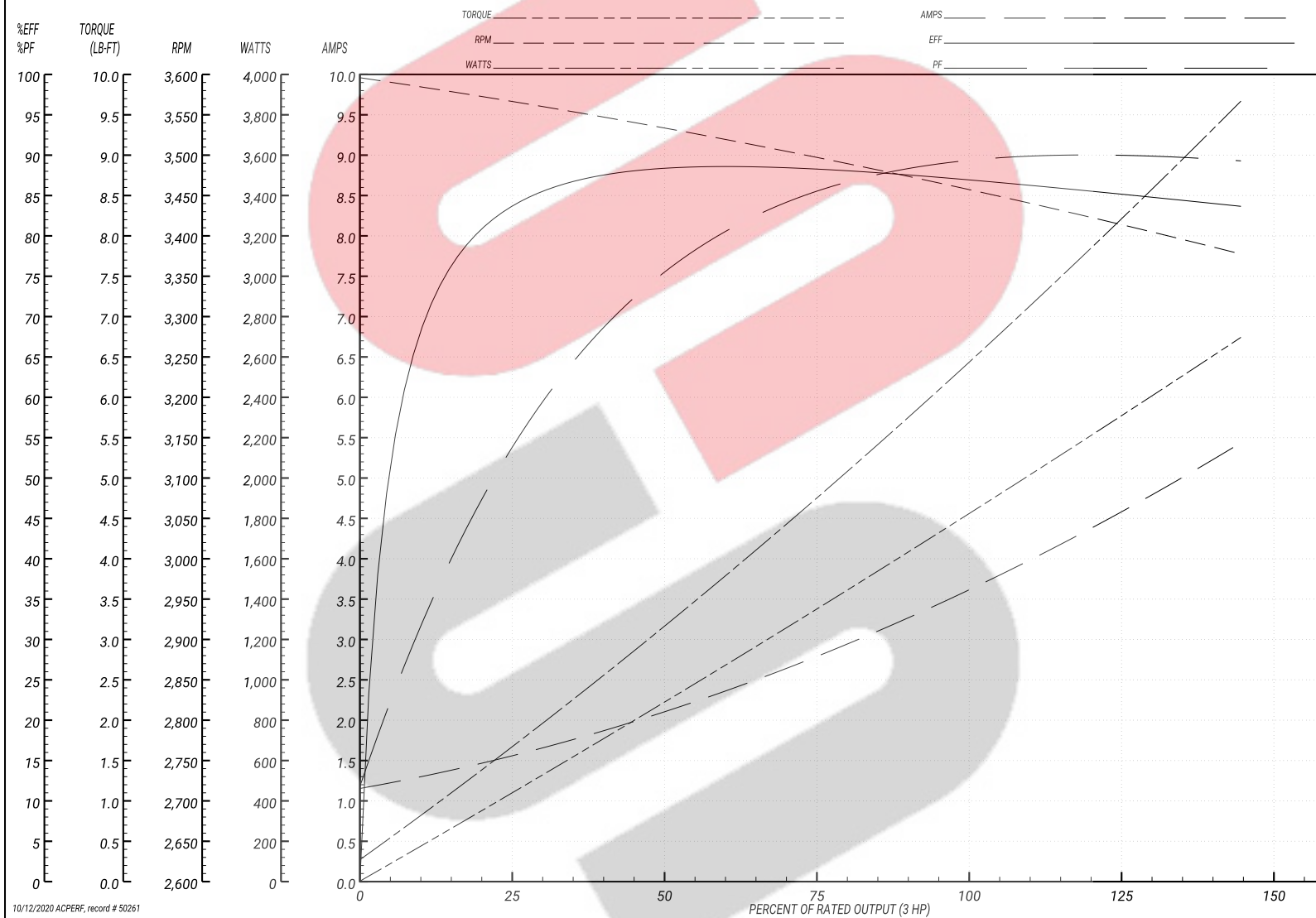
ABB Motors and Mechanical Inc.

Typical performance - not guaranteed values.

WINDING # 35WGQ060

3 HP 3 PH 60 HZ 3450 RPM 460 V 3532M

TORQUES(LB-FT): PO=18 PU=11 LR=16 LRA=33



AC Induction Motor Performance Data

Record # 59171

Typical performance - not guaranteed values

Winding: 35WGQ060-R002		Type: 3532M	Enclosure: TEFC
Nameplate Data		230 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	3	Full Load Torque	4.5 LB-FT
Volts	230/460	Start Configuration	direct on line
Full Load Amps	7.2/3.6	Breakdown Torque	18 LB-FT
R.P.M.	3450	Pull-up Torque	11 LB-FT
Hz	60 Phase	Locked-rotor Torque	16 LB-FT
NEMA Design Code	B KVA Code	Starting Current	66 A
Service Factor (S.F.)	1.15	No-load Current	2.4 A
NEMA Nom. Eff.	86.5 Power Factor	Line-line Res. @ 25°C	1.17 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	61°C
S.F. Amps		Temp. Rise @ S.F. Load	73°C
		Locked-rotor Power Factor	47.1
		Rotor inertia	0.0885 LB-FT ²

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	57	77	85	88	89	90	89
Efficiency	84.1	87.9	88.4	87.2	85.7	83.5	86.3
Speed	3562	3531	3498	3462	3421	3375	3437
Line amperes	3	4.2	5.6	7.2	9	10.8	8.28

Gráfica de desempeño 230V, 60Hz, 3.0HP Desempeño típico - Sin valores garantizados

ABB Motors and Mechanical Inc.

Typical performance - not guaranteed values.

WINDING # 35WGQ060

3 HP 3 PH 60 HZ 3450 RPM 230 V 3532M

TORQUES(LB-FT): PO=18 PU=11 LR=16 LRA=66

