

# **BALDOR**® • *RELIANCE*

## **Product Information Packet**

# **CJEWDM3559**

**3HP,3450RPM,3PH,60HZ,56J,3540M,TEFC,F1,N**

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3540M	Elec. Spec:	35WGQ130	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35E2234	Layout:	35LYE2234
Frame:	56J	Mounting:	F1	Poles:	02	Created Date:	07-01-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-31-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2179L										
CAT.NO.	CJEWDM3559									
SPEC.	35E2234Q130G2									
HP	3									
VOLTS	208-230/460									
AMP	7.7-7/3.5									
RPM	3450									
FRAME	56J				HZ	60			PH	3
SER.F.	1.15		CODE	M	DES	B		CLASS	F	
NEMA-NOM-EFF	87.5		PF	92						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V			7.7		
DE	6205			ODE	6203					
ENCL	TEFC		SN							
BLANK										

Parts List		
Part Number	Description	Quantity
SA303421	SA 35E2234Q130G2	1.000 EA
RA290551	RA 35E2234Q130G2	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3008A01W	35 CB .50 NPT @ 6, MACH WHITE EPOXY	1.000 EA
35GS1022A03	GASKET BOX .125 THK WHITE NEOPRENE	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
35EP3100M87MW	FREP TEFC,"O" DRILLS,NO GRSR, MACH.WHITE	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
HW4600B39SP	V-RING SLINGER 0.550 X 0.790 X .18 VITON	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
35EP3300A48MW	SPL FACE MTD EP - 205 BRG - W/SEAL FOR W	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B49	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
HW4600B46	V-RING SLINGER 0.875 X 1.420 X .24 VITON	1.000 EA
35FH4005A55	IEC FH NO GRSR,3 MTG HOLE NO DIMPLES,	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
WD4100A10	465 NIAGARA PLUG (SO ELEC),FOR 1.093 DIA	1.000 EA
35CB4522	35 LIPPED CB LID PRIMED	1.000 EA
35GS1030A02	35 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
RM1010A12	.437 I.D. 1" VINYL CAP (SHORT) MOCAP	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025W01	WILKOFAS, 781.01, SIGNAL WHITE #9003	0.017 GA
MG1500Y02	PRIMER,347.29+347.29C ACTIVATOR WILKOPON	0.017 GA
HA3100S03	THRUBOLT- 10-32 X 10.625 302 OR 303 SS	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2179L	SS WD SUPER-E UL CSA CC REV MTG	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA

**AC Induction Motor Performance Data**  
Record # 8289 - Typical performance - not guaranteed values

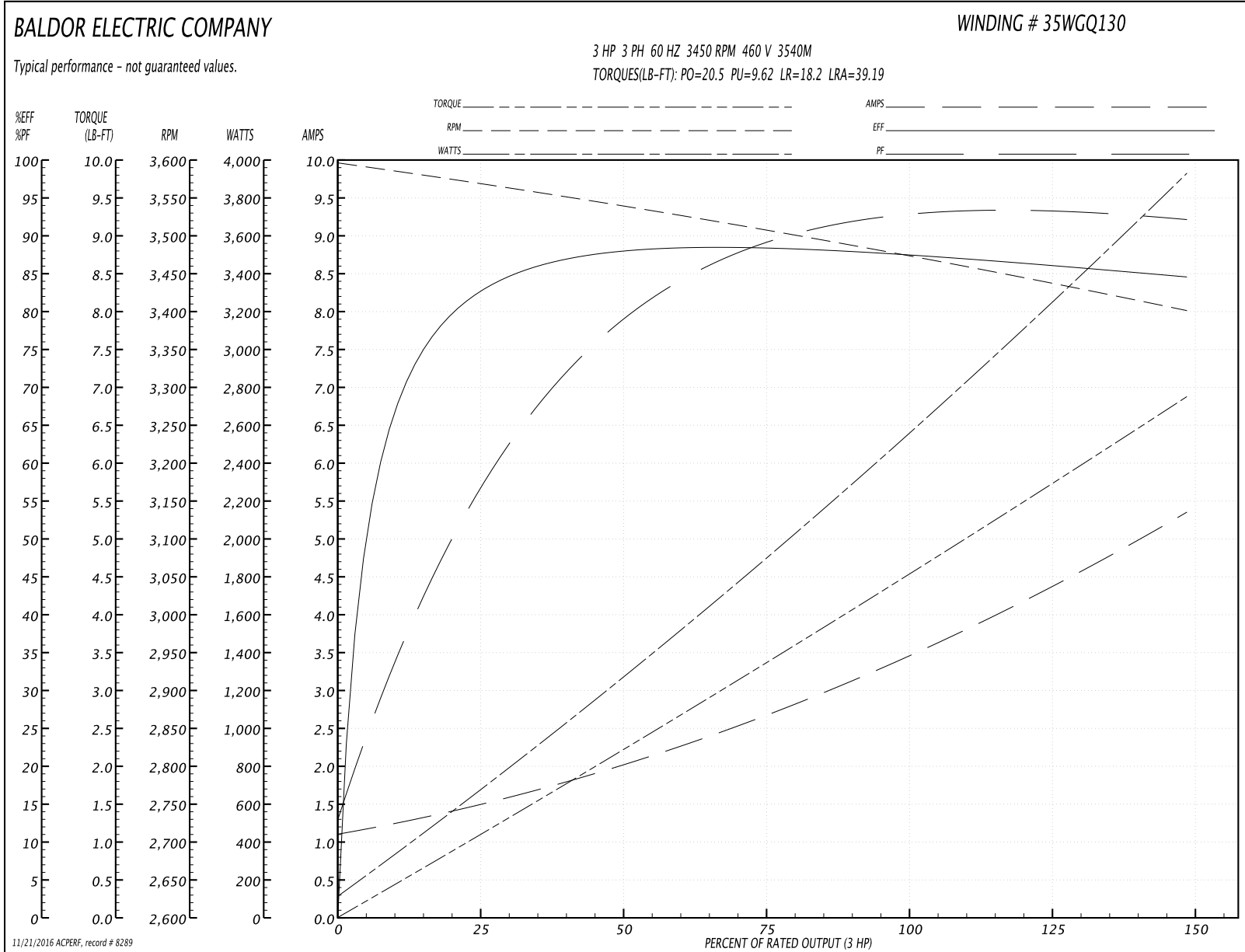
<b>Winding:</b> 35WGQ130-R001	<b>Type:</b> 3540M	<b>Enclosure:</b> TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	4.59 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	7.7-7/3.5			Breakdown Torque	20.5 LB-FT
R.P.M.	3450			Pull-up Torque	9.62 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	18.2 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	39.19 A
Service Factor (S.F.)	1.15			No-load Current	1.14 A
NEMA Nom. Eff.	87.5	Power Factor	92	Line-line Res. @ 25°C	4.032 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	58°C
S.F. Amps				Temp. Rise @ S.F. Load	71°C
				Locked-rotor Power Factor	44
				Rotor inertia	0.111 LB-FT <sup>2</sup>

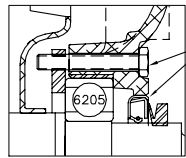
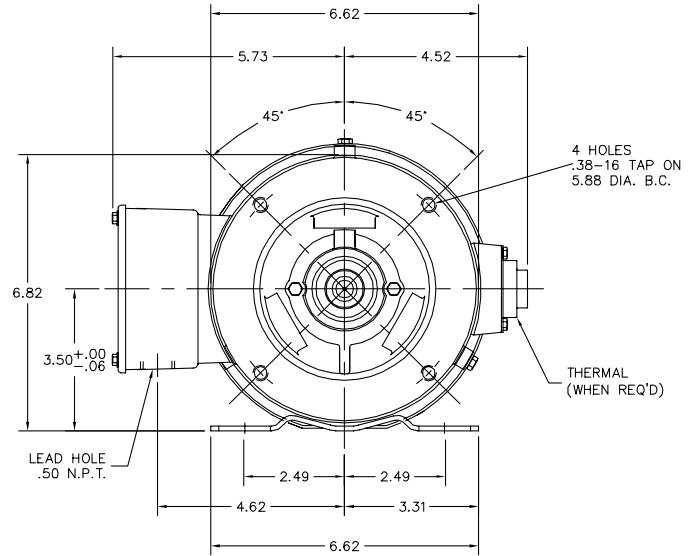
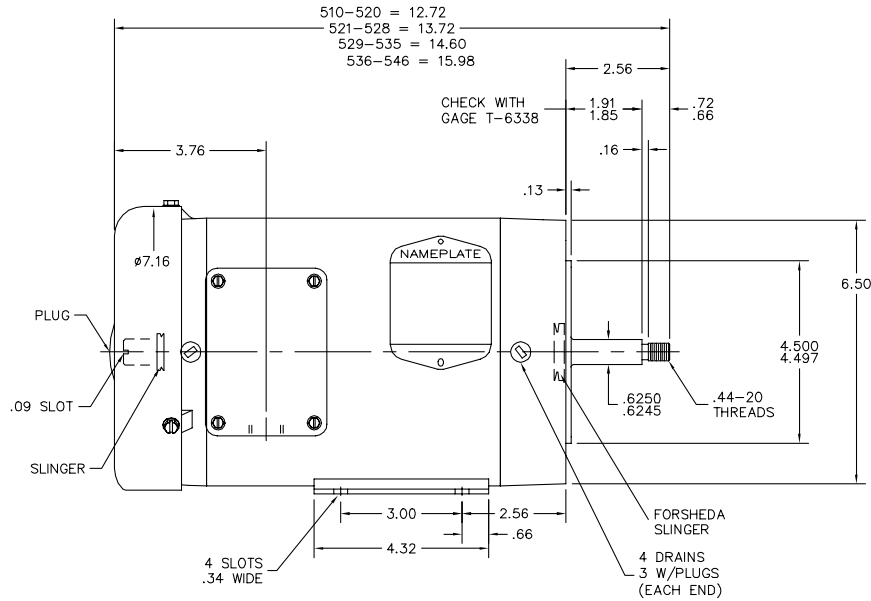
Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	60	81	88	92	94	93	93
Efficiency	82.6	87.7	88.3	87.6	86.3	84.4	86.8
Speed	3564	3536	3506	3474	3439	3399	3453
Line amperes	1.46	2.04	2.74	3.53	4.38	5.34	4.04

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values



35LYE2234



PULLEY END DETAIL

OMIT LOCK-WASHERS &  
 APPLY COAT OF SEALER  
 UNDER BEARING RETAINER  
 SCREW HEADS & HOUSING O.D.  
 BEFORE PRESSING IN SEAL

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

REV. DESC: UPDATE PARTS TO MATCH BOM & CLEAN UP LINES	VERSION: 02	TDR: 000000981700
REV. LTR: B	REVISED: 04:15:52 06/01/2016	BY: ENERINO
FILE: \AAA\00204\178		
MTL: -		

**BALDOR**

HORZ 56J TEFC 35M WD (S/P9) W/FULL LENGTH SS SHAFT

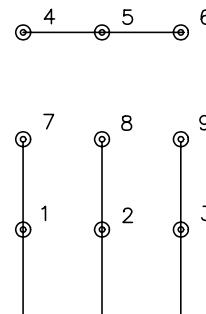
SH 1 of 1

35LYE2234

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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
90000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005