

BALDOR • RELIANCE

Customer information packet

CFSWDM3607T-E

1.5HP, 1170RPM, 3PH, 60HZ, 182TC, 3640M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	NEMA PREMIUM CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.600 A @ 460.0 V 5.200 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	M
Type	AC
Mech. spec.	36R552
Base	
Status	PRD/A
Elec. spec.	36WGQ002
Layout	36LYR552
Eff. date	06-19-2023
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	08-04-2017

High Voltage Full Load Amps	2.6 a
Insulation Class	H
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3640M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	18.89 IN
Power Factor	62
Product Family	WD All SS Encapsulated
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1170 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	None

Winding Thermal 2

None

Nameplate

NP4427AAA01										
CAT #	CFSWDM3607T-E			WT	90	LBS				
SPEC	36R552Q002G1			ENCL	TEFC					
SER #				CC	010A	IP	69			
HP	1.5	MAG CUR								
VOLTS	230/460			NEMA NOM. EFF		87.5				
AMPS	5.2/2.6			PF	62					
RATING	40C AMB-CONT									
RPM	1170			MAX RPM		1800				
FRAME	182TC	HZ	60	CODE	L	CLASS	H			
SER.F.	1.15	SF AMP			PH	3	DES	B		
DE	6206		ODE	6206						
LUBRICATION	POLYREX EM									
ID LOGO	INVERTER TYPE		VPWM	CHP	60	TO	90	1.5:1		
ID LOGO	WK2	0.376	CT	15	TO	60	4:1			
ID LOGO	SL HZ		VT		TO	60	1000:1			
				QR						
YR										

Parts list

Part number	Description	Quantity
SA346221	SA 36R552Q002G1	1.000 ea
RA334731	RA 36R552Q002G1	1.000 ea
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 ea
35CB1017A02	5/36 MID SECT - 3 PC. CONDUIT BOX 3/4 N	1.000 ea
11XW1032G08	10-32 X .50, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 ea
36EP1920A02	FREP TEFC 206 BRG WD11/12 (STAINLESS)	1.000 ea
RM1070A42	O-RING,(#70-7.239) FLOUROELASTOMER COMPO	1.000 ea
HW4600G02	30 X 47 X 8 LIP SEAL, GRAPHITE INFUSED V	1.000 ea
HW4600F25	30 X 48 X 4.5 AFX SEAL, GRAPHITE INFUSED	1.000 ea
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	4.000 ea
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	4.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
36EP1925A02	PUEP 182-4TC ENCL 206 BRG WD11/12 STAINL	1.000 ea
RM1070A42	O-RING,(#70-7.239) FLOUROELASTOMER COMPO	1.000 ea
HW4600G02	30 X 47 X 8 LIP SEAL, GRAPHITE INFUSED V	1.000 ea
HW4600F25	30 X 48 X 4.5 AFX SEAL, GRAPHITE INFUSED	1.000 ea
RM1070A14	O-RING, -010 VITON/FKM .070CS X .239ID	4.000 ea
11XB1214S16	12-14X1.00 HXWSSLD TYP B STAINLESS	1.000 ea
36FH4007	FAN COVER #304 STAINLESS W/OUT GREASER	1.000 ea
10XN1032FS06	HEX HD CAP SCREW 10-32 X 3/8 SS FOOD SAF	3.000 ea
35CB1513A01	35-36-37 MACH. LID - 3 PC. CONDUIT BOX	1.000 ea
RM1070A81	O-RING, -043 VITON/FKM .070CS X 3.489ID	1.000 ea
HA3424S48	STUD - M6X1.0 THDS X 3.00"	1.000 ea
RM1070A81	O-RING, -043 VITON/FKM .070CS X 3.489ID	1.000 ea
HW2502E16	#303 SS,SQ KEY 1/4 X 1.750	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.005 qt
MJ5004A93	FOOD GRADE (H1 RATED) ANTISEIZE THRD COM	0.005 ea
HA1025A21	WSHR,FELT .125" THK	1.000 ea
HA5027A09	DRAIN KIT,(2)HA4002A03 BAGGED W/LABEL	1.000 ea

MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
WD5603A01	KIT, CLOSED-END LEAD SPLICE (18-14GA)	1.000 ea
HA3101FS55	THRUBOLT, 1/4-20 X 13.250 SS FOOD SAFE	4.000 ea
GOPA1000	PKG GRP, PRINT PK1026A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500bx)4/22	1.000 ea
FE-0000016	ZTRG FE ASSEMBLY	1.000 ea
PE-0000010	ZRTG PE ASSEMBLY	1.000 ea

AC Induction Motor Performance Data

Record # 63790

Typical performance - not guaranteed values

Winding: 36WGQ002-R001		Type: 3640M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	1.5		Full Load Torque	6.765 LB-FT	
Volts	230/460		Start Configuration	direct on line	
Full Load Amps	5.2/2.6		Breakdown Torque	26.6 LB-FT	
R.P.M.	1170		Pull-up Torque	17.2 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque	18.4 LB-FT	
NEMA Design Code	B KVA Code	L	Starting Current	17.9 A	
Service Factor (S.F.)	1.15		No-load Current	1.73 A	
NEMA Nom. Eff.	87.5 Power Factor	62	Line-line Res. @ 25°C	6.2356 Ω	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	40°C	
S.F. Amps			Temp. Rise @ S.F. Load	47°C	
			Locked-rotor Power Factor	29.1	

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	26	42	54	62	68	71	66
Efficiency	75.8	84.5	86.9	87.5	87.2	86.4	87.3
Speed	1192.7	1186.2	1179.6	1172.3	1164.3	1155.7	1168
Line amperes	1.82	2.01	2.28	2.61	3	3.42	2.84

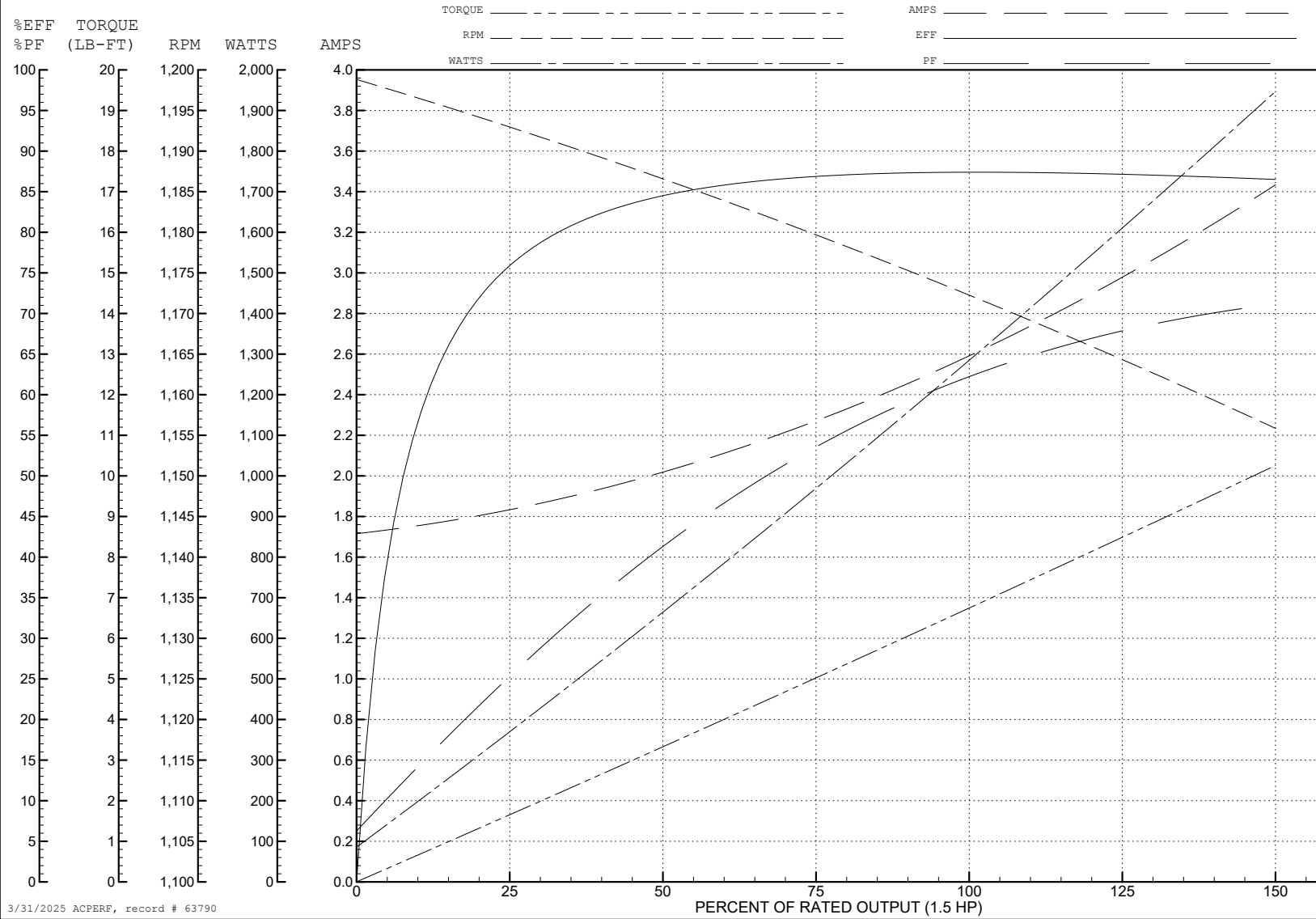
ABB Motors and Mechanical Inc.

WINDING # 36WGQ002

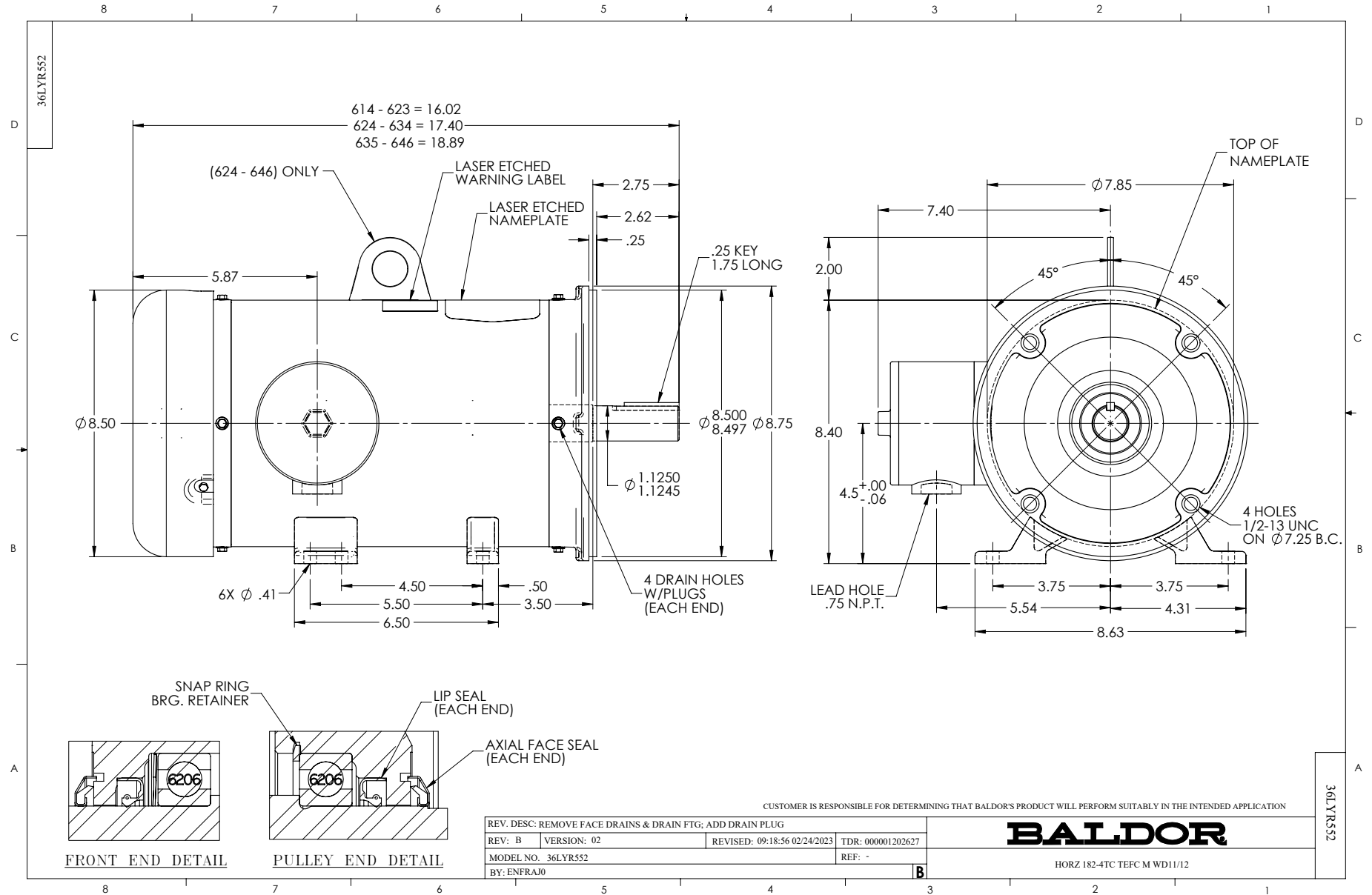
1.5 HP 3 PH 60 HZ 1170 RPM 460 V 3640M

Typical performance - not guaranteed values.

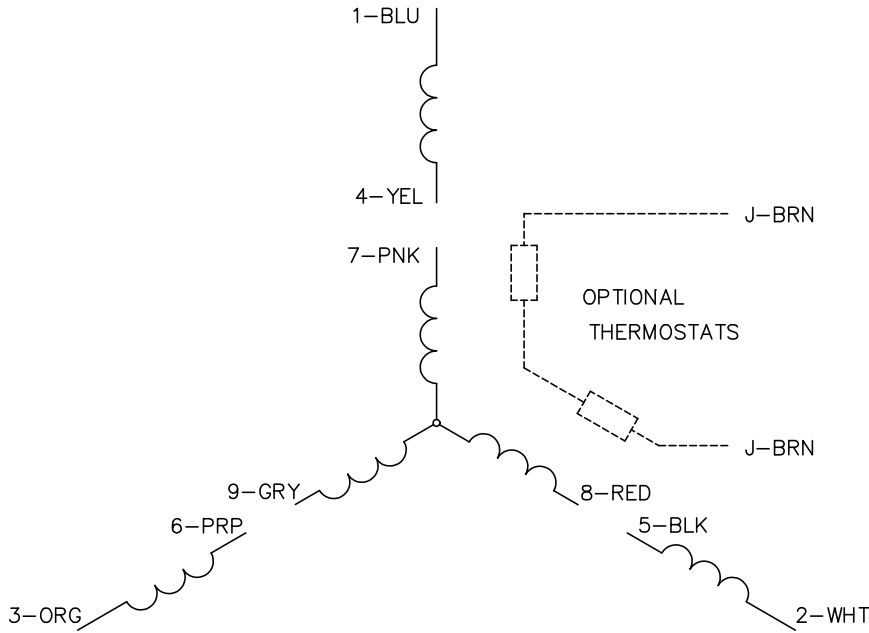
TORQUES (LB-FT): PO=26.6 PU=17.2 LR=18.4 LRA=17.9



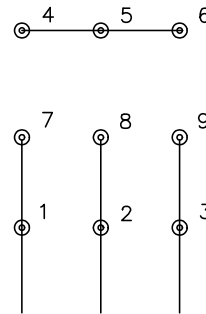
3/31/2025 ACPERF, record # 63790



CD0005

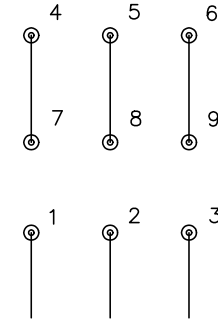


LOW VOLTAGE
(2Y)



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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS