ABB BALDOR RELIANCE

Customer information packet

UCLE7510

7.5-10 AIR OVERHP, 3450RPM, 1PH, 60HZ, 182TZ
Class - None
Division - Not Applicable

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11/18/2026 2:50:20 AM

Specifications

Enclosure	TEAO
Frame	182TZ
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	7.500 HP @ 60 HZ
	10.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	28.000 A @ 208.0 V
	38.000 A @ 230.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
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	38.0 a
Insulation Class	F

Part Detail

Revision	Q
Type	AC
Mech. spec.	36Q215
Base	
Status	PRD/A
Elec. spec.	36WGX955
Layout	36LYQ215
Eff. date	01-09-2026
CD Diagram	CD0208
Poles	02
Leads	2#10 A PH SEE NOTES,3#16 B PH Y
Proprietary	False
Created date	03-06-2014

Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Pipe Or Pipe Adaptor
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3646LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.88 IN
Power Factor	95
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
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	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1279L									
CAT.NO.	UCLE7510								
SPEC.	36Q215X955G1								
HP	7.5-10 AIR OVER								
VOLTS	230								
AMP	38								
RPM	3450								
FRAME	182TZ	**HZ**	60		**PH**	1			
SER.F.	1.00	**CODE**	F	**DES**	-		**CL**	F	
NEMA-NOM-EFF	85.5	**PF**	95						
RATING	40C AMB-CONT								
CC									
DE	6206	**ODE**	6205						
ENCL	TEAO	**SN**							

NP1263L								
CAT.NO.	UCLE7510							
SPEC.	36Q215X955G1							
HP	7.5-10 AIR OVER							
VOLTS	230							
AMP	38							
RPM	3450							
FRAME	182TZ	**HZ**	60	**PH**	1			
SER.F.	1.00	**CODE**	F	**DES**	-	**CL**	F	
NEMA-NOM-EFF	85.5	**PF**	95					
RATING	40C AMB-CONT							
CC								
DE	6206	**ODE**	6205					
ENCL	TEAO	**SN**						

Accessories

Part number	Description	Multiplier
36-3303FD	C FACE KIT FARM DUTY 182-4C, ENCL 6206	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data
Record # 11173
Typical performance - not guaranteed values

Winding: 36WGX955-R001	**Type:** 3646LC	**Enclosure:** TEAO

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			7.5-10 AIR OVER	**Full Load Torque**	15.2 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			38	**Breakdown Torque**	41.5 LB-FT
R.P.M.			3450	**Pull-up Torque**	4 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	4.5 LB-FT
NEMA Design Code	-	**KVA Code**	F	**Starting Current**	213 A
Service Factor (S.F.)			1	**No-load Current**	6.2 A
NEMA Nom. Eff.	85.5	**Power Factor**	95	**Line-line Res. @ 25ºC**	0.202 Ω A Ph 0.319 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	

Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	95	99	99	99	99	99
Efficiency	67.3	80.6	84.8	85.7	84.7	82.4
Speed	3565	3533	3498	3458	3412	3357
Line amperes	12.8	20.4	28.8	37.9	47.9	59.4

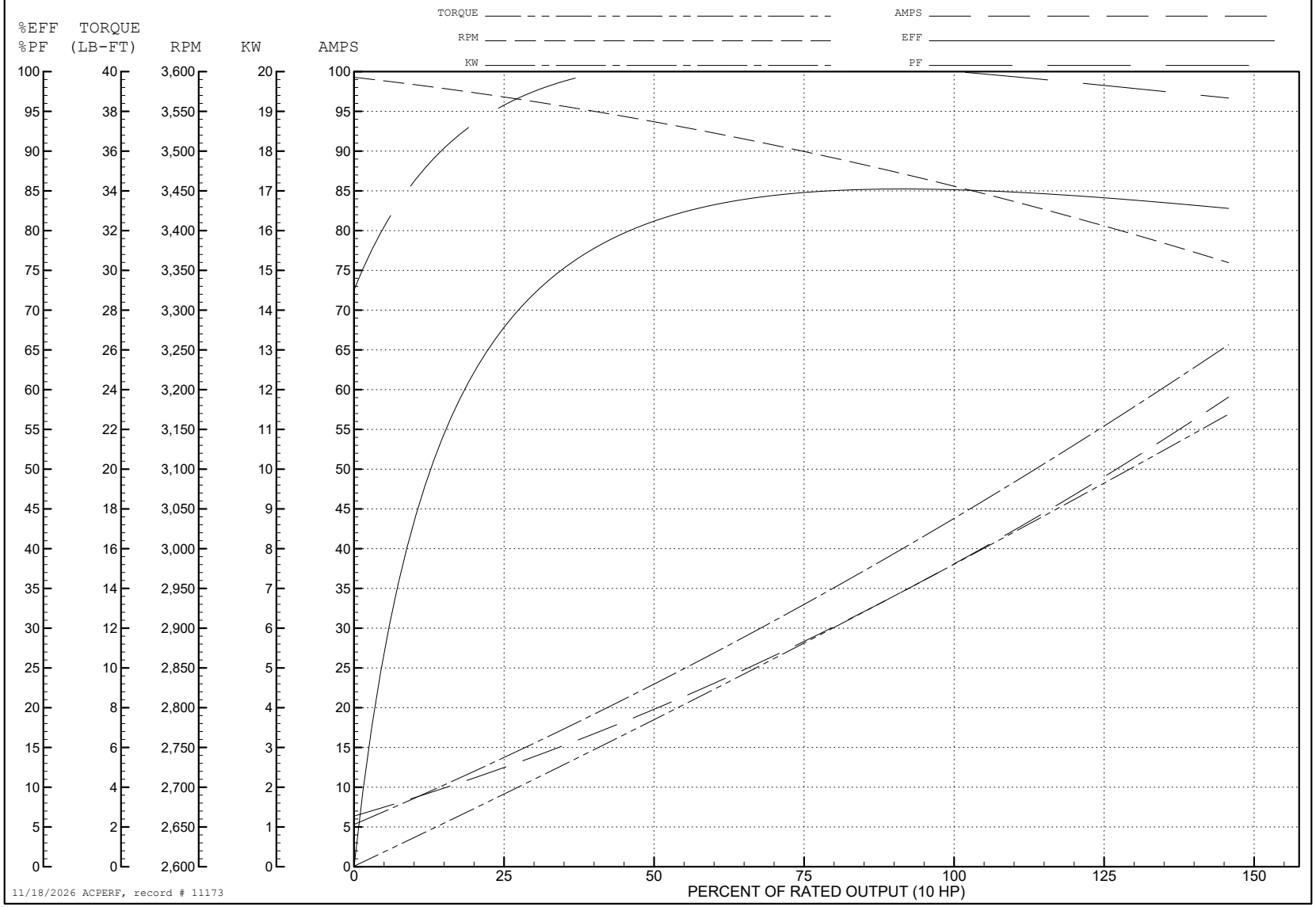
ABB Motors and Mechanical Inc.

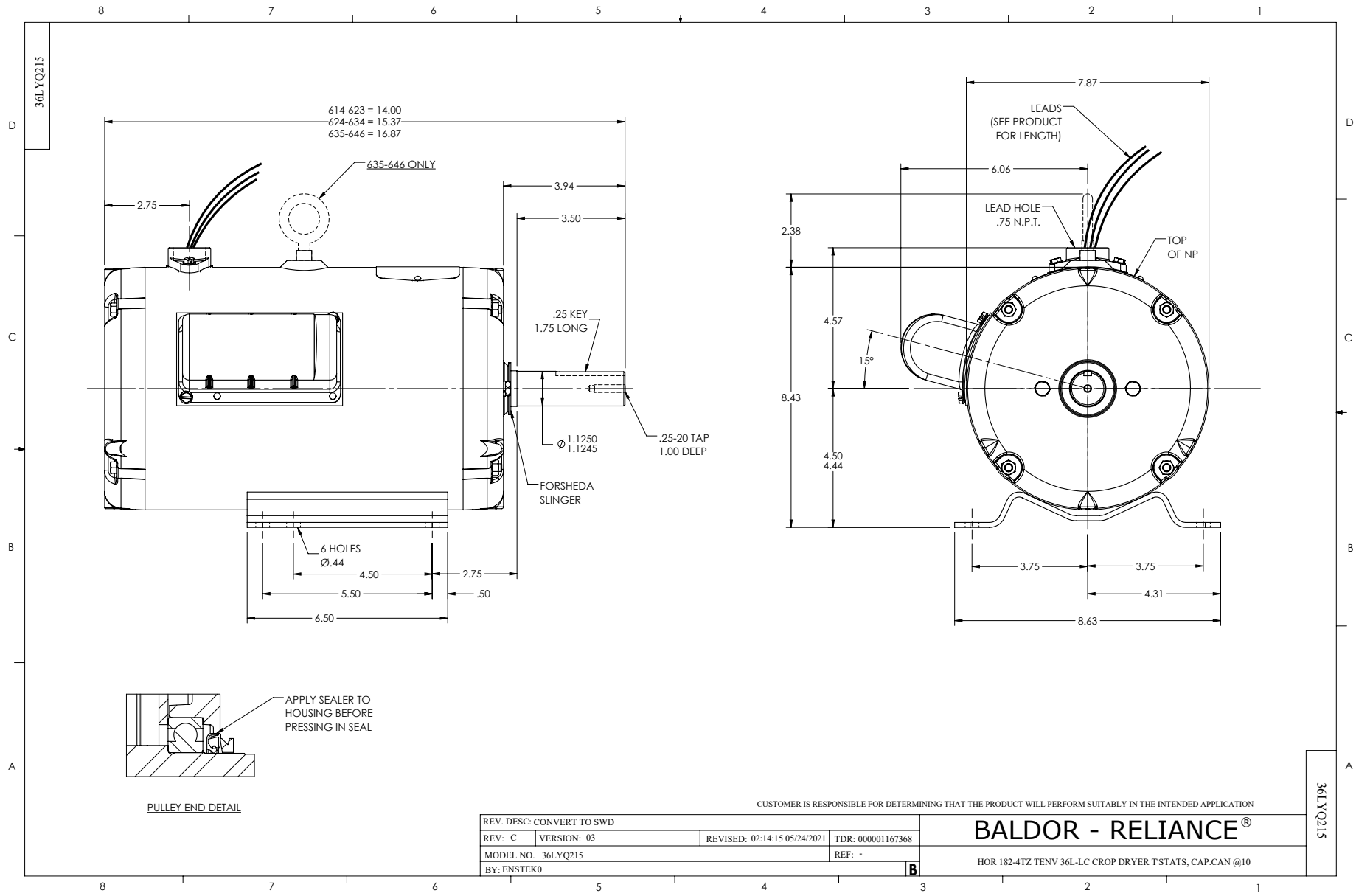
WINDING # 36WGX955

10 HP 1 PH 60 HZ 3450 RPM 230 V 3646LC

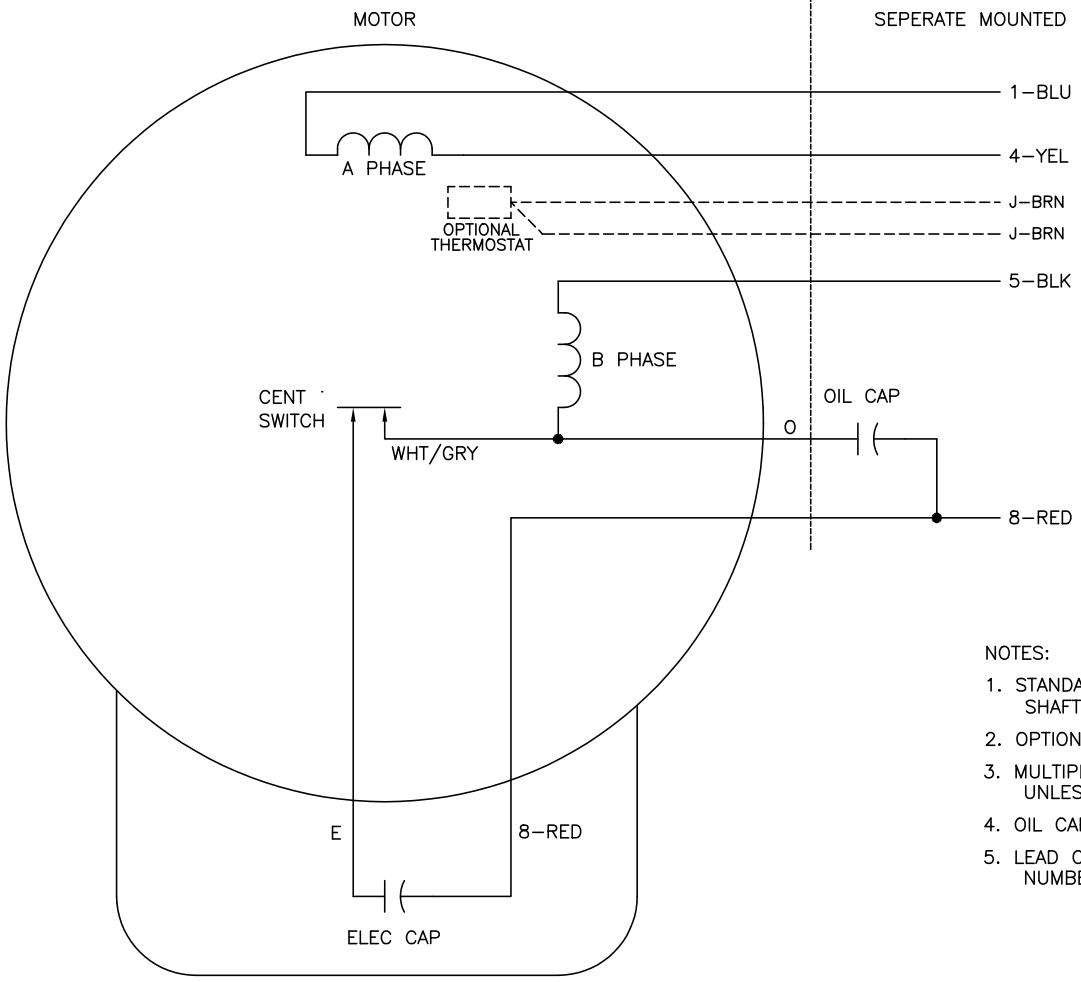
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=41.5 PU=4 LR=4.5 LRA=213




36LYQ215
614-623 = 14.00
624-634 = 15.37
635-646 = 16.87
635-646 ONLY
2.75
3.94
3.50
.25 KEY
1.75 LONG
Ø 1.1250
1.1245
.25-20 TAP
1.00 DEEP
FORSHEDA
SLINGER
6 HOLES
Ø.44
4.50
2.75
5.50
.50
6.50
7.87
LEADS
(SEE PRODUCT
FOR LENGTH)
6.06
LEAD HOLE
.75 N.P.T.
TOP
OF NP
2.38
4.57
15°
8.43
4.50
4.44
3.75
3.75
4.31
8.63
APPLY SEALER TO
HOUSING BEFORE
PRESSING IN SEAL
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT TO SWD
REV: C
VERSION: 03
REVISED: 02:14:15 05/24/2021
TDR: 000001167368
MODEL NO. 36LYQ215
REF: -
BY: ENSTEK0
B
BALDOR - RELIANCE®
HOR 182-4TZ TENV 36L-LC CROP DRYER T'STATS, CAP.CAN @10
36LYQ215

CD0208



	LINE A	LINE B
STD	1,8	4,5
OPP	1,5	4,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. OIL CAPACITOR(S) ARE SEPERATELY MOUNTED.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO MATCH LC0208			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 01/09/01 5:10	TDR: 0228770
CD0208		FILE: AAA00026902	REF: –
		MTL: –	TYPE LC, SV, REV, SEP MTD OIL CAP(S), 5 LEADS

CD0208