

PRODUCT INFORMATION PACKET



Model No: 132471.00
Catalog No: 132471.00
Brake Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 184TC Frame, DP



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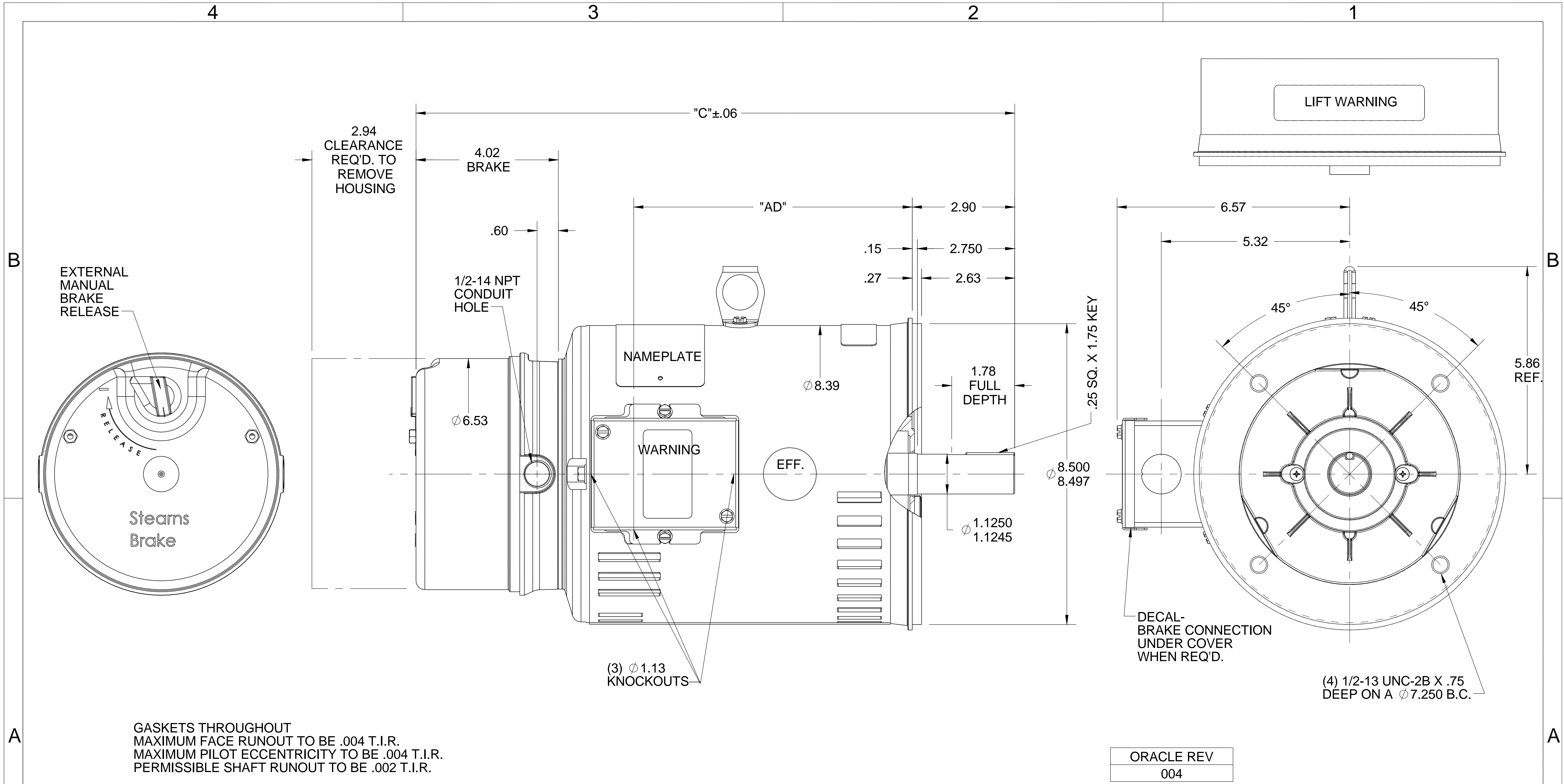
Nameplate Specifications

Phase	3	Output HP	5 Hp
Output KW	3.7 kW	Voltage	230/460 V
Speed	1755 rpm	Service Factor	1.15
Frame	184TC	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	89.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	12.6/6.3 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	2.72 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	18.41 in
Frame Length	10.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005010.15	Outline Drawing	035365-1000

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GASKETS THROUGHOUT
 MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

ORACLE REV
 004

DASH NO.	"C"	"AD"
800	16.41	7.38
850	16.91	7.88
900	17.41	8.38
950	17.91	8.88
1000	18.41	9.38
1050	18.91	9.88
1100	19.41	10.38
1150	19.91	10.88

DRAWING REVISION	REVISION BY	DATE
D	R.KAESTNER	09-28-2016
ECO	L.TRUNEC	09-28-2016

ECO-0110197

ECO DESCRIPTION

UPDATE TABLE

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
 CORNER FILLETS: R.02 [.51]
 MACHINED SURFACES: 125 INCH 3.2 mm

mm SHOWN IN [BRACKETS]

DRAWN BY	PG
DATE	9/29/97
APPROVED BY	RSK
DATE	9/29/97
REFERENCE	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.	
DESCRIPTION	
OUTLINE DRIP PROOF - "C" FACE	
MATERIAL	PROCESS/FINISH
BRAKE MOTOR	
SIZE	DRAWING NUMBER
B	035365
SHEET	1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

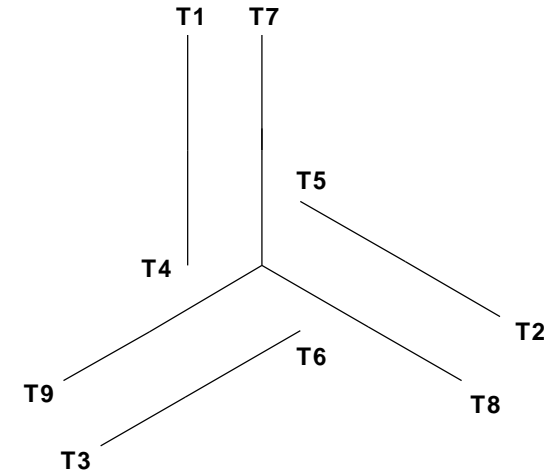


CAUTION:
LEAD WIRE INSULATION TO EXTEND
MINIMUM OF 1/4" INTO CONNECTOR
INSULATION

SEE TABLE FOR
 BRAKE CONNECTIONS

REF. DECAL (MOTOR) - 004014
 REF. DECAL (BRAKE) - 080034 (STEARNS & DINGS BRAKE)

LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4, T7) (T5, T8) (T6, T9)
LOW	T1, T7	T2, T8	T3, T9	T4, T5, T6

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TYPE "T" W/O PROTECTOR

VOLTAGE	BRAKE CONNECTION					
	STEARNS BRAKE			DINGS BRAKE		
	L1	L2	Join	L1	L2	Join
HIGH	1(RED)	2(RED)	3(BLACK) 4(BLACK)	2(BLACK)	4(YELLOW)	1(YELLOW) 3(BLACK)
LOW	1(RED) 3(BLACK)	2(RED) 4(BLACK)	-----	2(BLACK) 3(BLACK)	1(YELLOW) 4(YELLOW)	-----

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN JJK 09/17/96	
				DEC	INCHES		CHK	
				.X	±.1	APPR		
				.XX	±.01	SCALE 1:1		
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11	.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM STANDARD 3 PHASE - DUAL VOLTAGE		REF 005010-01	
01	ADDED DINGS AND BRAKE TABLE (PER CN114156)	TMZ 11/12/96	.XXXX	±.0005	MAT'L W/STEARNS OR DINGS DUAL VOLTAGE BRAKE CONN.		FMF	
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH LEESON STOCK		PAGE OF
THIRD ANGLE PROJECTION				RFP	PREV	SIZE	DRAWING NO	REV
				NETWORK FILE NAME 00501015		A	005010-15	--

Data Sheet

Date: 12/14/2023
 Customer: _____
 Attention: _____
 Submitted by: RAMYA



132471

Submittal

Data @ 460 V

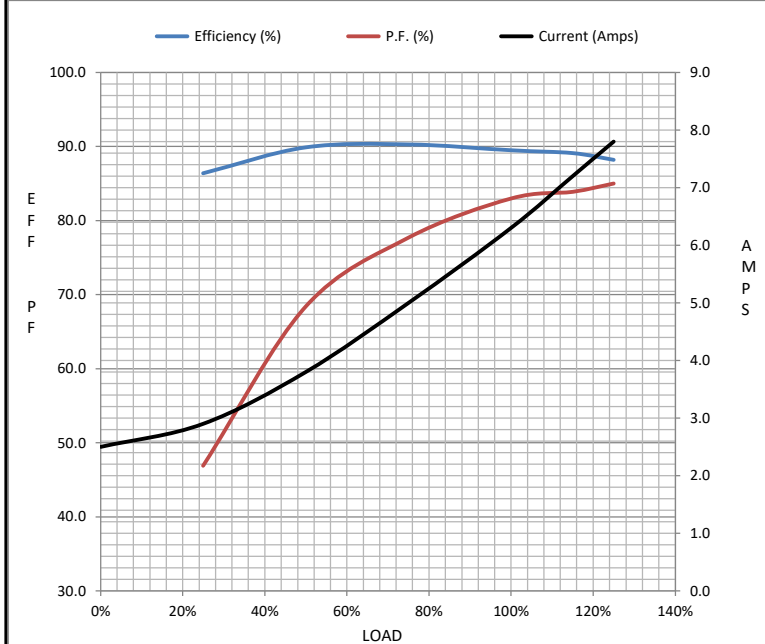
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.50	2.90	3.8	5.0	6.3	7.2	7.8	46.3
Torque (ft-lb)	0.00	3.7	7.4	11.1	15.0	17.3	18.9	30.0
RPM	1800	1790	1780	1768	1755	1,748	1741	0
Efficiency (%)		86.4	89.9	90.3	89.5	89.1	88.2	
P.F. (%)	6.5	46.9	68.4	77.7	83.0	83.9	85.0	0.0

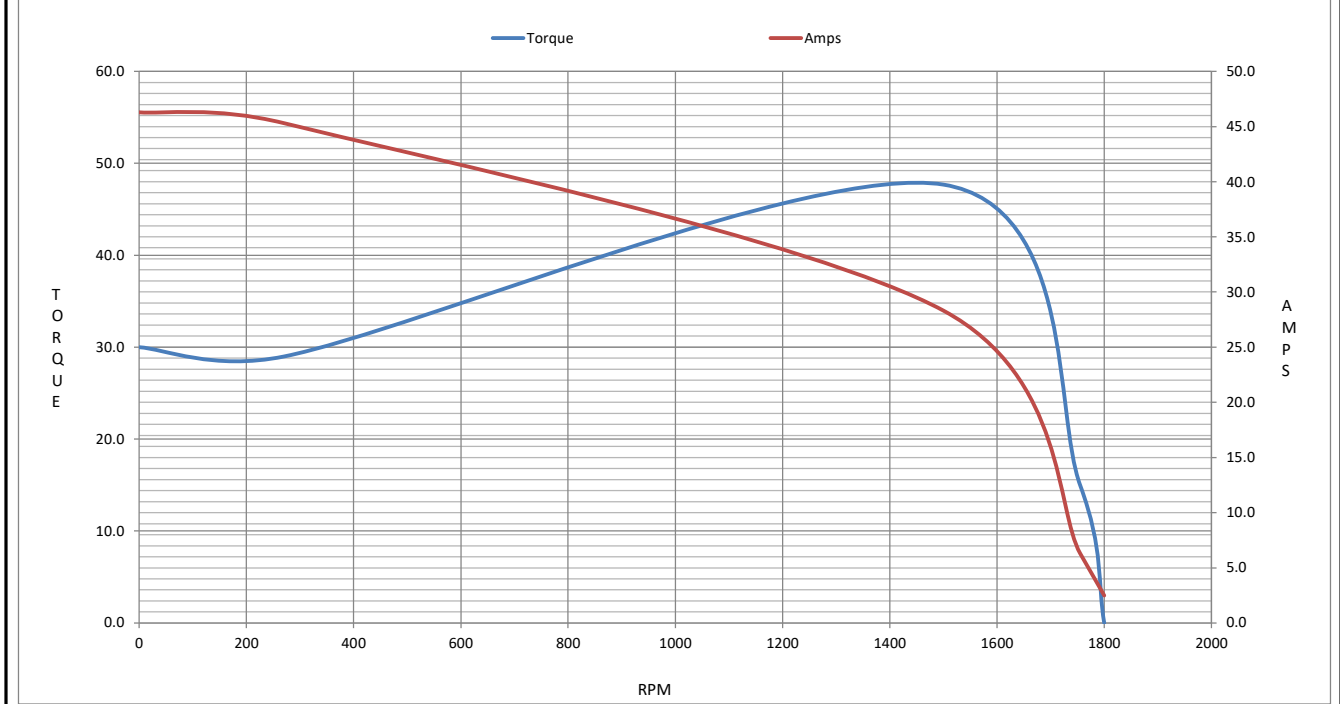
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	270	1500	1755	1800
Current (Amps)	46.3	45.3	28.3	6.3	2.50
Torque (ft-lb)	30.0	29.0	47.7	15.0	0.00

Information Block				
HP	5.0			
Sync. RPM	1800			
Frame	184			
Enclosure	DP			
Construction	TDW			
Voltage	230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	50 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	3,300 feet			
Rotor/Shaft wk ²	0.43 Lb-F ²			
Ref Wdg	T84169 DR			
Sound Pressure @ 1M	55 dBA			
VFD Rating	NONE			
Outline Dwg	035365-1000			
Conn. Diag	005010.15			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve



EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 132471.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 132471.00

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22