



Worldwide
ELECTRIC CORPORATION

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**DRIVES &
CONTROLS**



WCD Series Stock NEMA 3R Panel

Featuring the WorldDrive Flex Control Drive (WDFC)

The flexibility to do more. The WCD Series Stock Panel features a NEMA 3R enclosure, a circuit breaker disconnect, and the WorldDrive Flex Control Drive (WDFC) which is recognized for its flexibility and industry-leading on-board feature set. This standard package* is available with five output options and includes an On-Off-Auto selector switch, a speed potentiometer, and an LCD keypad. The WCD Series Panels are UL compliant, assembled, tested, and readied for operation prior to shipment.

Specifications

- Enclosure: NEMA 3R
- Capacity: 20-250 HP*, 200-240V / 380-480V AC
- Output Frequency: 0-400Hz
Sensorless: 0-120Hz
- Starting Current:
150% Overload for 60 Seconds, CT
120% Overload for 60 Seconds, VT

In-Stock and Ready to Ship

We aim to make our customers more competitive by stocking the products they need and responding to their requirements with a shared sense of urgency. With \$50 million of ready-to-ship inventory at seven regional US warehouses, we're ready to assist you!

** Additional variations of this panel are available.
See Motor Controls Catalog for more detail.*

For more details, visit wwec.co/WCD

Product Features

WCD Series Stock Panel (Options H, I, M3, R, U)

- NEMA 3R Enclosure
- 20-250 HP, 200-240V / 380-480V AC
- Circuit Breaker Disconnect
- On-Off-Auto Selector Switch (2-Wire Control)
- Speed Potentiometer
- LCD Keypad
- Lockable, Solid Control Door Cover
- 1.3A, 24V DC Power Supply for Loop Power
- Thermostat Controlled, Filtered Forced Ventilation System
- Rodent Screen Protection
- Additional variations of this panel are available. See Motor Controls Catalog for more detail.

For more details, including full specifications and compliance, visit www.wec.co/WCD

WorldDrive Flex Control Drive

- V/F, Sensorless Vector Control, Slip Compensation
- 150% Overload for 60 Seconds, CT
- 120% Overload for 60 Seconds, VT
- Input voltage range:
 - 200-240V Single / Three-Phase (-15%, +10%)
 - 380-480V Three-Phase (-15%, +10%)
- Output Frequency: 0-400Hz; Sensorless: 0-120Hz
- Carrier Frequency: Normal Duty: 1-15kHz
- Conformal Coated Printed Circuit Boards
- Built-In Modbus-RTU
- Built-In PID Loop Control
- Real-Time Event Clock
- Higher Ratings Available for Single-Phase Input
- Multi-Motor Control and Multi-Master Control
- Available Accessories: Flange Mount Kit, NEMA 1 Conduit Connection Box, Remote Cable with Keypad, NEMA 4X Keypad Mount
- UL, cUL, CE Certified

Available In Stock Models

Constant Torque 150% Overload		Variable Torque 120% Overload		Model Number	Dimensions H x W x D (in)
HP	Amps	HP	Amps		
230 Volt					
20	60	25	69	WCD3RC-069B2A+HIM3RU	40 x 25 x 19
460 Volt					
60	81	75	107	WCD3RC-107B4A+HIM3RU	50 x 31 x 21
100	136	125	169	WCD3RC-169B4A+HIM3RU	56 x 37 x 23
150	195	200	264	WCD3RC-264B4A+HIM3RU	63 x 37 x 25
250	303	300	370	WCD3RC-370B4A+HIM3RU	68 x 38 x 25

Model Number Selection

WCD	3R	C	-	107	B	4A	+	HIM3RU
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WCD: WorldWide Configured Variable Frequency Drive

Enclosure

3R: NEMA 3R Enclosure
4: NEMA 4 Enclosure
12: NEMA 12 Enclosure

Circuit Breaker

C: Combination with Main Circuit Breaker
BLANK: No Main Circuit Breaker

VFD Amp Rating, With 60 Second 120% Overload Capacity, (Normal Duty). Consult Tables for 60 Second 150% Overload Capacity, (Heavy Duty).

VFD Type (Model)

A: Hyundai N700E
B: WDFC (WorldDrive Flex Control)

Voltage Code

2A: 200-240V AC +/-10%
4A: 380-480V AC +/-10%

Option Code	Option Description
A	EMI/RFI Filter
D2	RVSS Bypass
G2	Output Sinewave Filter
➔ H	On-Off-Auto Selector Switch
➔ I	Speed Potentiometer
J	Start/Stop Pushbuttons
J2	40mm ESTOP Pushbutton
K	Hand-Off-Auto Selector Switch
L	Surge Suppression
M	Installed SID1 Text Keypad
M2	Remote Mount LCD Keypad
➔ M3	LCD Keypad in Door (Must Be Used with Option R or S)
M4	LCD Keypad with 4X Cover
M7	SID7 Operator Interface (Must Be Used with Option R or S)
N	Panel Space Heater, 150W
N2	Panel Space Heater, 50Q
O	Green Run Pilot Light
P	Amber Fault Pilot Light and Reset Pushbutton
Q	White Drive Ready Pilot Light
➔ R	Lockable, Solid Control Door Cover
R1	4X Clear HMI Door Cover 10"H x 8"W
S	Lockable, Window Control Door Cover
T	24/7 Timer
➔ U	1.3A, 24VDC Power Supply for Loop Power

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WorldWide Electric Corporation is a leading manufacturer of electric motors, motor controls, gear reducers, and generators as well as the exclusive master distributor of Hyundai Electric's low-voltage motors and drives. Offering fast, often same-day, shipping from seven regional US warehouses, WorldWide Electric takes pride in providing a competitive edge to our customers by responding to their requirements with urgency, technical expertise, and professionalism.