

ASSOC. PIP
ELSMC20

DATA SHEET

ELSMC20D-D

LOW VOLTAGE AC
ADJUSTABLE SPEED DRIVE

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APRIL 2006

ISSUED FOR: PROPOSAL PURCHASE AS BUILT

FACILITY NAME/LOCATION: East Central Regional Water Reclamation Facility - West Palm Beach, Florida

ITEM NAME: As described on drawing PURCHASER/LOCATION: _____

ITEM TAG NO.: As described on drawing JOB NO: _____

SERVICE: _____ PURCHASER ORDER NO.: _____

UNIT: _____ SUPPLIER/LOCATION: _____

DWG. NO.: 43-42-11-29 (SHEETS E-01-0 THRU E-05-0) SUPPLIER ORDER/SERIAL NOS.: _____ / _____

DATA PROVIDED BY: PURCHASER SUPPLIER SUPPLIER IF NOT BY PURCHASER

REFER TO PIP ELSMC20 FOR GENERAL REQUIREMENTS

APPLICABLE STATE AND LOCAL CODES: _____

SITE CONDITIONS:

ALTITUDE: BELOW 3300 FT SEISMIC ZONE: N/A

AMBIENT TEMPERATURE: MAX.: 40 °C MIN.: -5 °C

NON-CLASSIFIED CLASSIFIED

AREA CLASS: _____ DIV/ZONE: _____ GROUP: _____

AUTOIGNITION TEMP.: _____ °C

OTHER: _____

GENERAL (4.1):

POINT OF COMMON COUPLING (4.1.3): _____

COMPUTER HARMONIC SIMULATION REQUIRED (4.1.3)

MOUNTED WITHIN SWITCHGEAR OR MCC LINEUP (4.1.4)

NRTL LISTED / LABELED (4.1.6)

OPERATING CONDITIONS (4.1.8):

LOAD TYPE (E.G., PUMP, FAN, COMPRESSOR, ETC.):

DAC START SYSTEM WITH LOW TORQUE

CONSTANT TORQUE LOAD VARIABLE TORQUE LOAD

SPEED RANGE: _____ TO _____ RPM HZ

ACCELERATION TIME: _____ SEC

DECELERATION TIME: _____ SEC

BREAKAWAY TORQUE: _____ FT-LBS

MAX TORQUE: _____ FT-LBS @ MAX. RPM

LOAD INERTIA: _____ FT-LBS²

BRAKE HP: _____ @ _____ RPM

MOTOR DATA (4.1.10):

75/125 pk HP SEE MOTOR DATA SHEET

CABLE LENGTH FROM ASD TO MOTOR: 300 FT

MOTOR FEEDER CABLE SIZE: #2 AWG

INPUT POWER (4.2):

480 VOLTS 3 PHASE 60 HERTZ

SOLIDLY GROUNDED HIGH-RESISTANCE GROUNDED

UNGROUNDED

AVAILABLE FAULT CURRENT: _____ AMPS

CONTROL FEATURES (4.4):

SPEED - SIGNAL TYPE & RANGE: _____

TORQUE - SIGNAL TYPE & RANGE: _____

OTHER: _____ TYPE & RANGE: _____

_____ TYPE & RANGE: _____

CONTROL SIGNALS (4.4.2):

0 TO ± 10 VDC

0 TO ± 5 VDC

4 to 20 mA

POTENTIOMETER

DIGITAL

SOURCE VOLTAGE FOR CIRCUIT LOGIC (4.4.4):

INTERNAL CPT

EXTERNAL CONTROL POWER CONTROL VOLTAGE:

_____ VDC _____ VAC

OUTPUT SPEED INDICATOR: HZ RPM

OTHER: _____

CONTROLS TO BE PROVIDED WITH ASD MOUNTED IN STAND-ALONE

ENCLOSURES OR MCC (4.4.7):

START/STOP PUSH-BUTTON

HAND/OFF/AUTO SELECTOR SWITCH

LOCAL/REMOTE PUSH-BUTTON

HAND SPEED ADJUSTABLE

OTHER: VFD POWERFLEX 700, DEVICE NET

COMMUNICATIONS AND SOFTWARE (4.5):

RS 232

RS485

MODBUS

DEVICENET

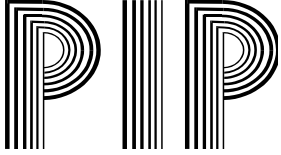
PROFIBUS DP

CONTROLNET

ETHERNET IP

REMOTE CONFIGURATION SOFTWARE CAPABILITY (4.5.2)

NO.	DATE	REVISION DESCRIPTION	BY	APVD.



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OPERATIONAL FUNCTIONS (4.6):

OTHER OPERATIONAL FEATURES (4.6.10):

PROTECTIVE FEATURES (4.7):

OTHER ADDITIONAL FEATURES (4.7.3):

MONITOR FEATURES (4.8.8):

- POWER-ON INDICATION
- RUN INDICATION
- FAULT INDICATION
- GROUND FAULT ALARM
- GROUND FAULT SHUTDOWN
- METERING & INDICATION:
- OTHER: Motor Speed or Current Draw

STAND-ALONE ENCLOSURE (4.9):

- NOT REQUIRED REQUIRED
- FLOOR MOUNTED WALL MOUNTED
- MFG. STD. NEMA 1 NEMA 1A NEMA 12
- OTHER: MCC Mounted as defined in specification
- INDOOR OUTDOOR
- ENCLOSURE COOLING REQUIRED
- LOSS OF COOLING ALARM REQUIRED
- OTHER: _____

PAINTING (4.9.9):

- MFG. STD. ANSI 61 OTHER: _____
- PER PAINT SPEC.: _____

SPACE HEATERS (4.9.10):

- NOT REQUIRED REQUIRED
- THERMOSTAT: NOT REQ'D. REQ'D.
- HUMIDISTAT: NOT REQ'D. REQ'D.
- AMMETER: NOT REQ'D. REQ'D.
- SPACE HEATER TEST CIRCUIT: NOT REQ'D. REQ'D.
- OTHER: _____

NAMEPLATES (4.9.11):

NAMEPLATE ENGRAVING:

Standard by Mfg. _____

 OTHER: _____

DISCONNECTS (4.10):

- INCOMING DISCONNECT REQUIRED:
 - FUSED DISCONNECT BREAKER SWITCH
- OUTPUT DISCONNECT REQUIRED:
 - CONTACTOR FUSED DISCONNECT
 - BREAKER SWITCH
- MANUAL BYPASS REQUIRED

WIRING AND TERMINATIONS (4.11):

POWER CABLE ENTRY (4.11.7):

- TOP BOTTOM SIDE
- COMPRESSION LUGS REQUIRED WIRE SIZE: by MFG.

INSPECTION AND TESTING (4.12):

- MFG. STD. TESTS: WITNESSED NOT WITNESSED
- PRESHIPMENT SHOP WITNESSED INSPECTION
- ADDITIONAL TESTING REQUIRED:
 - On-site functional
 - _____
- CERTIFIED TEST REPORTS REQUIRED

DOCUMENTATION (4.14):

ELECTRONIC DOCUMENT FORMAT:

- DXF OTHER: MS

SUPPLIER TO PROVIDE:

- 1 REPRODUCIBLE PLUS
- 2 COPIES OF ALL DOCUMENTATION PLUS
- 2 COPIES OF THE OPERATING MANUALS

OTHER REQUIREMENTS:

