

METROPOLITAN



PUMP COMPANY
A Division of METROPOLITAN INDUSTRIES, INC.
37 FORESTWOOD DRIVE • ROMEOVILLE, IL • 60446-1343
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QUOTATION

Airport Road Medium Voltage VFD
Romeoville, IL.

Metropolitan Industries and ABB will provide the following:

Onsite Field Services on ACS1000 Medium Voltage Drive S/N 3BHB901000096 (2003). Recommended Preventive Maintenance including replacement parts & labor to maintain operation of the drive. Upgrades to Hardware to bring the drive up to current model.

Recommended Upgrade Hardware - To keep drive out of Legacy and go to current version

1 Filter	\$90.87
FOR FILTER G2 G15/150 6-8; 18UM/A (3BHL001141P0001)	
2 Fan	\$5,022.50
RG50N-VDK.6N.1L KOMPL.(3BHL000462R005)	
3 Capacitors (C1.1, C2.1)	\$10,906.00
2*1500UF, 1860V, FILM; DC (3BHL000517P0001)	
4 Capacitors (CM)	\$247.27
FRH-6-5155--A 2.2; CAPACITOR, NP (3BHL000321P0002)	
5 Capacitor (CR1)	\$2,254.06
2X70UF, 1860V, FILM; CAPACITOR, SNUBBER (3BHL000253P0003)	
6 Capacitors (CCL1, CCL2)	\$712.52
CLAMPING FPX86-9322-A 97ECX441; CAPACIT. (3BHL000420P0001)	
7 Capacitors (CFx)	\$3,702.30
3x120uF, 2750V; CAPACITOR, FILTER (3BHL000250P0002)	
8 Overvolt Measuring Card, Coated	\$2,795.45
UB C717 BE101; OVVP-Board Coated (3BHE021887R0101)	
9 I/O Control Board, Coated	\$14,299.24
UF C719 AE (3BHB003041R0101)	
10 CVM12B ACS1000A Upgrade Kit	\$5,622.99
CVM12B ACS1000A; UPGRADE KIT (3BHB040806R0001)	
11 Gate Unit Power Supply, Coated	\$22,174.07
KU C711 AE; GATE UNIT POWER S GUSP (3BHB004661R0101)	
12 Gate Driver Board Kit	\$28,024.44
PM KIT FOR 14X 38MM IGCTS - GV C700 AE01 (3BHB045647R0007)	
13 Busbar Kit	\$0.00
BUSBAR MODIFICATION KIT ACS1000A (3BHB023836R0002)	
1 ACS1000 Main Board Upgrade Kit	\$10,188.50
AMC-34+INT-2+CABLES (UPG1000MAINBRD1)	
2 ACS1000A Aux Power Upgrade Kit 2 w/o safe-line	\$20,209.21
(3BHB017534R0003)	
3 ACS1000A Fast Rectifier Superv. Upg Kit 12 Pulse	\$4,249.81
(3BHB026696R0001)	

Total Parts \$130,499.22

* ABB Field Labor \$14,293.60

* Metropolitan Tech \$4,200.00

Total Labor \$18,493.60

Total Cost: \$148,992.82

ABB Field Service Engineer to perform recommended Preventive Maintenance and Upgrade Services on drives listed within the Installed drives equipment covered table above.

TERMS: Net 30 days from date of invoice. All invoices are payable in full when due, with no retainage allowed.

THIS QUOTATION, SUBJECT TO THE CONDITIONS ON THE REVERSE SIDE HEREOF, MAY BE ACCEPTED ONLY BY SIGNING ONE COPY OF THIS QUOTATION AND RETURNING IT TO METROPOLITAN PUMP CO. NOT LATER THAN THE DATE INDICATED ON THE FACE HEREOF AFTER WHICH THIS QUOTATIONS IS VOID. THIS QUOTATION AFTER ACCEPTANCE BY BUYER MAY BE CANCELLED BY EITHER PARTY WITH NO PENALTY ONLY IF ENGINEER FAILS TO APPROVE SELLERS APPROVAL BROCHURE.

Accepted:

Firm:

By:

Title:

Quotation No:

Submitted:

Void after:

Prepared By:

Keith103020MS

October 30, 2020

30 Days

Keith Girup