

## City of Naples

**Opening Date 05/06/16 - FOR INFORMATION PURPOSE ONLY**

### 16-038 Purchase Variable Frequency Drives

**ATTACHMENT A**

## BID SCHEDULE 16-038

**REVISED**

**CED**

**\*Graybar  
Electric  
Company**

SQUARE D Part Number	DETAILED DESCRIPTION	GENERAL DISCRIPTION	UNIT PRICE	UNIT PRICE
ATS48C25Y	SOFT START 208-690VAC 250 AMP ATS48	SOFT START	\$2,046.25	\$2,064.41
ATS48D48Y	SOFT START 208-690VAC 480AMP ATS48	SOFT START	\$3,632.18	\$3,530.00
ATS48D75Y	SOFT START 208-690VAC 75A ATS48	SOFT START	\$903.17	\$911.19
ATV12HU15M2	AC Drive, 2 HP, 230v 1 phase in, 230v out	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$195.36	\$197.08
ATV12HU22M2	AC Drive, 3 HP, 230v 1 phase in, 230v out	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$234.42	\$236.50
ATV12H075M2	AC Drive, 1 HP,230v 1 phase in, 230v out	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$150.80	\$152.14
ATV312HD11M3	AC Drive 15 HP 240V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$899.15	\$907.12
ATV312HD11N4	AC Drive15 HP 480V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$931.40	\$939.66
ATV312HD15M3	AC Drive 20 HP 240V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$1,156.52	\$1,166.78
ATV312HD15N4	AC Drive 20 HP 480V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$1,156.52	\$1,166.78
ATV312HU11M3	AC Drive 1.5 HP 240V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$243.94	\$246.10
ATV312HU11N4	AC Drive 1.5 HP 480V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$301.73	\$304.41
ATV312HU15M3	AC Drive 2 HP 240V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$282.92	\$285.42
ATV312HU15N4	AC Drive 2 HP 480V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$333.99	\$336.95
ATV312HU22M3	AC Drive 3 HP 240V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$321.22	\$324.07
ATV312HU22N4	AC Drive 3 HP 480V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$385.73	\$389.15
ATV312HU30M3	AC Drive 4 HP 240V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$372.30	\$375.59
ATV312HU30N4	AC Drive 4 HP 480V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$436.80	\$440.68
ATV312HU40M3	AC Drive 5 HP 240V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$436.80	\$295.28
ATV312HU40N4	AC Drive 5 HP 480V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$462.34	\$466.44
ATV312HU55M3	AC Drive 7.5 HP 240V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$565.16	\$570.17
ATV312HU55N4	AC Drive 7.5 HP 480V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$577.92	\$583.05
ATV312HU75M3	AC Drive 10 HP 240V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$680.74	\$686.78
ATV312HU75N4	AC Drive 10 HP 480V 3 PHASE	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$706.95	\$713.22
ATV61HU75M3	SPEEDDRIVE, 10 HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$1,065.80	\$1,075.25
ATV61HD15M3X	SPEEDDRIVE, 20HP,230V, ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$1,696.80	NO BID
ATV61HD15N4	SPEEDDRIVE, 20HP, 480V, ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$1,560.39	NO BID

ATV61HD18M3X	SPEEDDRIVE, 25 HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$1,977.70	\$1,919.35
ATV61HD18N4	SPEEDDRIVE, 25 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$1,878.24	\$1,822.83
ATV61HD22M3X	SPEEDDRIVE, 30 HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$2,409.80	\$2,338.70
ATV61HD22N4	SPEEDDRIVE, 30 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$2,044.23	\$1,983.91
ATV61HD30M3X	SPEEDDRIVE, 40 HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$3,090.53	\$2,999.35
ATV61HD30N4	SPEEDDRIVE, 40 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$2,515.97	\$2,441.74
ATV61HD37M3X	SPEEDDRIVE, 50 HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$3,589.83	\$3,483.91
ATV61HD37N4	SPEEDDRIVE, 50 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$2,958.82	\$2,871.52
ATV61HD45M3X	SPEEDDRIVE, 60 HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$4,251.08	\$3,621.69
ATV61HD45N4	SPEEDDRIVE, 60 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$3,714.82	\$3,605.22
ATV61HD55M3X	SPEEDDRIVE, 75 HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$5,245.64	\$5,090.87
ATV61HD55N4	SPEEDDRIVE, 75 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$4,277.28	\$880.68
ATV61HD75M3X	SPEEDDRIVE, 100 HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$6,302.69	\$6,116.74
ATV61HD75N4	SPEEDDRIVE, 100 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$4,883.43	\$4,739.35
ATV61HD90M3X	SPEEDDRIVE, 125 HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$8,033.09	\$7,796.09
ATV61HD90N4	SPEEDDRIVE, 125 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$5,367.94	\$5,209.57
ATV61HC11M3X	SPEEDDRIVE, 150HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	NQ	NQ
ATV61HC11N4	SPEEDDRIVE, 150 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$6,790.32	\$6,589.98
AVT61HC13M3X	SPEEDDRIVE, 200 HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	NQ	NQ
AVT61HC13N4	SPEEDDRIVE, 200 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$7,801.87	\$7,571.69
ATV61HC16M3X	SPEEDDRIVE, 250HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	NQ	NQ
ATV61HC16N4	SPEEDDRIVE, 250 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$8,814.17	\$8,554.12
ATV61HC22M3X	SPEEDDRIVE, 350 HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	NQ	NQ
ATV61HC22N4	SPEEDDRIVE, 350 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$10,531.70	\$10,220.97
ATV61HC25M3X	SPEEDDRIVE, 400 0HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	NQ	NQ
ATV61HC25N4	SPEEDDRIVE, 400 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$12,731.88	\$12,356.25
ATV61HC31M3X	SPEEDDRIVE, 500 HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	NQ	NQ
ATV61HC31N4	SPEEDDRIVE, 500 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$18,341.64	\$17,800.50
ATV61HC40M3X	SPEEDDRIVE, 600 HP,230V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	NQ	NQ
ATV61HC40N4	SPEEDDRIVE, 600 HP,460V,ATV61	VFD - Unit price to include manufacturer's extended warranty coverage (5 years total)	\$25,629.82	\$24,873.65
VW3A1101	LCD GRAPHIC KEYPAD IP54 RATING ATV71	KEYPAD ATV71	\$63.00	\$77.97
VW3A1102	REMOTE MOUNT KIT FOR LCD KEYPAD ATV61/71	REMOTE MOUNT KIT FOR LCD KEYPAD ATV61/71	\$26.70	\$37.29
VW3A1103	DOOR USED W/REMOTR MOUNT KIT FOR IP65 RATING	DOOR USED W/REMOTR MOUNT KIT FOR IP65 RATING	\$21.84	\$30.51
VW3A1104R30	RJ45-RJ45 CBL FOR RMOTE LCD KYPD 3 MET	RJ45-RJ45 CBL FOR RMOTE LCD KYPD 3 MET	\$16.98	\$23.73
		<b>TOTAL:</b>	<b>\$175,048.31</b>	<b>\$163,422.40</b>
<b>ADDITIONAL BALANCE OF LINE ITEMS</b>				

SQUARE D CATEGORY	Balance of Product Line items below may also be purchased under this Contract. Balance of Product Line items shall include items that are related to or similar to the "Core" items included in this contract but not		MULTIPLIER (+/- %)	MULTIPLIER (+/- %)
00001	QO 1PH LC, 12-42 CKT, NEMA1	LOAD CENTER COVER QO- Breaker Panel	\$0.21	\$0.2016
00002	QO 1PH LC, 12-42 CKT, NEMA3R	LOAD CENTER COVER QO- Breaker Panel	\$0.21	\$0.2017
00003	1&2 POLE GFI CB 30A MAX	MINIATURE CIRCUIT BREAKER	\$0.17	\$0.2017
00004	QO,QOT 10-30A 1P;10-60A 2P	MINIATURE CIRCUIT BREAKER	\$0.16	\$0.1661
00005	QO, Q2L 2P ENCL & BREAKERS	Q2 MOLDED CASE CIRCUIT BREAKERS	\$0.19	\$0.1661
00006	D&DU, N1, 30-200A	SWITCH NOT FUSIBLE GD NEMA1	\$0.22	\$0.1780
00007	D&DU, N1, 400-600A	SWITCH NOT FUSIBLE GD NEMA1	\$0.22	\$0.2254
00008	H&HU, 2&3P, N1, 30-200A	SWITCH FUSIBLE HD 2&3 POLE NEMA1	\$0.22	\$0.2254
00009	H&HU, 2&3P, N3R, 30-200A	SWITCH FUSIBLE HD 2&3P NEMA3R	\$0.22	\$0.2254
00010	H&HU, SW 2&3P, N4, SS, 30-200A	SW FUSIBLE HD 2&3POLE NEMA4	\$0.26	\$0.2610
00011	QO, 3PH LOAD CENTER. INDOOR	QO LOAD CENTER-INDOOR-3PH BREAKER PANELS	\$0.19	\$0.1898
00012	QO, 3 POLE CIRCUIT BREAKER	3PH CURCUIT BRREAKERS	\$0.19	\$0.1780
00015	QOB CIRCUIT BREAKERS	QOB MINIATURE CURCUIT BREAKERS	\$0.24	\$0.2373
00017	QO, 3PH LOAD CENTER. OUTDOOR	QO LOAD CENTER-OUTDOOR-3PH BREAKER PANELS	\$0.20	\$0.1898
00023	QO, Q2L 3P ENCL & BREAKERS	MOLDED CASE CIRCUIT BREAKER 3PH	\$0.21	\$0.1780
00030	IND CB ENCL NEMA 1, 3R	CIRCUIT BREAKER ENCLOSURE NEMA1	\$0.16	\$0.1542
00031	IND CB ENC N 4, 4X,5, 12, 12K	CIRCUIT BREAKER ENCLOSURE NEMA 4	\$0.35	\$0.3559
00033	DT SWITCH, NEMA 1	ENCLOSED SAFETY SWITCHES NEMA 1	\$0.25	\$0.2373
00053	H&HU SW, NEMA 1, 400-1200A	SW FUSIBLE HD 3P NEMA1/NEUTRAL	\$0.22	\$0.2254
00054	H&HU SW, NEMA3R, 400-1200A	SWITCH FUSIBLE HD 3P NEMA 3R	\$0.22	\$0.2254
00055	H&HU SW, NEMA 4&5, 400-1200A	SWITCH NONFUSIBLE HD STAINLESS	\$0.22	\$0.2254
00057	LIGHT DUTY SW, NEMA1, 30A	SWITCH FUSIBLE LD 2P NEMA1	\$0.24	\$0.2373
00058	MISC SWITCH ACCESSORIES	SAFETY SWITCH NUETRAL ASSY USED W/SAFETEY SWITCHES	\$0.24	\$0.2373
00059	MISC G/D SWITCHES	MISC G/D SWITCHES	\$0.21	\$0.2373
00080	QO SPECIALTY CB, 1&2 POLE	MINIATURE CIRCUIT BREAKER 1 OR 2 POLE	\$0.30	\$0.2017
00081	QO SPECIALTY CB, 3 POLE	MINIATURE CIRCUIT BREAKER 3 POLE	\$0.25	\$0.2966
00082	QO BREAKERS 150-200A	MINIATURE CIRCUIT BREAKER	\$0.25	\$0.2373
00083	QO BREAKERS 150-200 VH	MINIATURE CIRCUIT BREAKER	\$0.21	\$0.2373
00100	QOM-VH MAIN CB	MINIATURE CIRCUIT BREAKER	\$0.21	\$0.2017
00101	QO 1PH LC, 2-8CKT, NEMA 1, 3R	LOAD CENTER QO MLO 2 TO 8 SOCKET	\$0.21	\$0.2017
00102	QO LC ACCESSORIES	LOAD CENTER QO FILLER PLATE	\$0.19	\$0.1780
00103	QO 2 POLE GFI CB 40-60A	MINIATURE CIRCUIT BREAKER GFI	\$0.20	\$0.2017
00104	QO 35-70A 1P; 70-125A 2P CB	MINIATURE CIRCUIT BREAKER	\$0.20	\$0.2017
00106	D & DU SW, NEMA3R, 30-200A	SWITCH FUSIBLE GD 2P NEMA3R	\$0.23	\$0.2254
00107	D & DU SW, NEMA3R, 400-600A	SWITCH FUSIBLE GD 2P NEMA3R	\$0.23	\$0.2254
00108	QO CB ACCESSORIES	QO CB ACCESSORIES	\$0.20	\$0.1898
00133	DT SWITCH, NEMA3R	DOUBLE THROW SAFETY SWITCH, NEMA 3R	\$0.22	\$0.2186
00155	H&HU SW, NEMA12, 400-1200A	SW FUSIBLE HD NO KO NEMA12/NUETRAL	\$0.22	\$0.2254

00927	INDIVIDUAL SPECIALTY CB	INDIVIDUAL SPECIALTY CB	\$0.21	\$0.2017
00928	MG COMPACT C MCCB UL/CSA	MERLIN GREEN-COMPACT MOLDED CASE CIRCUIT BREAKERS	\$0.25	\$0.2492
00929	MG MASTERPACT-SQD/MG	MASTERPACT UNIVERSAL POWER CIRCUIT BREAKERS	\$0.49	\$0.4864
00931	EDB CIRCUIT BREAKERS	EDB CIRCUIT BREAKERS	\$0.51	\$0.5102
00936	EGB CIRCUIT BREAKERS	EGB CIRCUIT BREAKERS	\$0.51	\$0.5102
00937	EJB CIRCUIT BREAKERS	EJB CIRCUIT BREAKERS	\$0.51	\$0.5102
01110	HD, JD UNIT MT BREAKER/SWITCH	HD, JD UNIT MT BREAKER/SWITCH	\$0.19	\$0.1780
01112	HD, JD I-LINE BREAKER/SWITCH	HD, JD I-LINE BREAKER/SWITCH	\$0.51	\$0.5102
01115	HG, HJ, JG, JJ UNIT MT BREAKER/SWITCH	HG, HJ, JG, JJ UNIT MT BREAKER/SWITCH	\$0.19	\$0.1780
01117	HG, HJ, JG, JJ I-LINE BREAKER/SWITCH	HG, HJ, JG, JJ I-LINE BREAKER/SWITCH	\$0.51	\$0.5102
01125	HJ, JJ UNT MNT MTR CIRCUIT PROTECTR	HJ, JJ UNT MNT MTR CIRCUIT PROTECTR	\$0.19	\$0.1780
01127	HL, JL UNT MNT MTR CIRCUIT PROTECTR	HL, JL UNT MNT MTR CIRCUIT PROTECTR	\$0.19	\$0.1780
01200	MG, MJ I-LINE BREAKER	MG, MJ I-LINE BREAKER	\$0.51	\$0.5102
01205	MG, MJ UNIT MOUNT BREAKER	MG, MJ UNIT MOUNT BREAKER	\$0.19	\$0.1780
01210	PG, H, J, K, L, N I-LINE BREAKERS	PG, H, J, K, L, N I-LINE BREAKERS	\$0.51	\$0.5102
01215	PG, H, J, K, L, N UNIT MT BREAKERS	PG, H, J, K, L, N UNIT MT BREAKERS	\$0.19	\$0.1780
01220	PG, H, J, K, L, N DRAW OUT BREAKERS	PG, H, J, K, L, N DRAW OUT BREAKERS	\$0.51	\$0.5102
01240	RG, H, J, K, L, N I-LINE BREAKERS	RG, H, J, K, L, N I-LINE BREAKERS	\$0.51	\$0.5102
01245	RG, H, J, K, L, N UNIT MT BREAKERS	RG, H, J, K, L, N UNIT MT BREAKERS	\$0.19	\$0.1780
21101	2510, 2511, 2512 F	MANUAL STARTERS AND SWITCHES	\$0.25	\$0.2373
21102	2510, 2511, 2512 K	MANUAL STARTERS AND SWITCHES	\$0.36	\$0.3559
21103	2510, 2511, 2512 M,T	MANUAL STARTERS AND SWITCHES	\$0.36	\$0.3559
21191	8502, 36 SA,SB (NOT S*R, T, W)	CONTACTORS AND STARTERS	\$0.36	\$0.3559
21192	8502, 36 SC,SD (NOT S*R, T, W)	CONTACTORS AND STARTERS	\$0.36	\$0.3559
21193	8502, 36 SE,SF (NOT S*R, T, W)	CONTACTORS AND STARTERS	\$0.36	\$0.3559
21321	8903 L (NOT LX)	LIGHTING CONTACTORS	\$0.30	\$0.2966
21322	8903 LX (NOT L)	LIGHTING CONTACTORS	\$0.30	\$0.2966
21426	9001 K (NOT KA, KM, KX)	TOGGLE SWITCHES (JOYSTICK CONTROLLER)	\$0.40	\$0.3915
21427	9001 KX	PUSH BUTTONS	\$0.40	\$0.3915
21429	9001 SK, SKY	SWITCH SELECTORS	\$0.40	\$0.3915
21431	9001 SKYP, SKRU	PENDANT STATIONS	\$0.41	\$0.4153
21433	9001 ACCESS FOR K, KX, SK	PUSH BUTTONS-OPERATORS INTERFACE	\$0.41	\$0.4315
<b>* Note - Graybar Electric Company did not use the revised bid schedule sheet.</b>				