

CRANE TELEDYNE OPERATORS

Including Adaptation,
Accessories and Special Features

**PRICE
SCHEDULE
68-CTO-1**

JUNE 15, 1968

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Prices shown in this Schedule are list each, supersede those previously published, and are subject to change without notice. Prices of items not shown in this Schedule will be quoted upon request.

Crane reserves the right to institute changes in materials, design, and specifications without notice, in keeping with our policy of continuing product improvement.

CRANE

VALVES • PUMPS • FITTINGS • WATER TREATMENT • METERS • PLUMBING • HEATING • AIR CONDITIONING
4100 South Kedzie Avenue, Chicago, Illinois 60632

Litho in U.S.A.

BASIC OPERATORS

CATALOG NO.	WEATHER-PROOF (NEMA 4)			EXPLOSION-PROOF (NEMA 7)		
	STD. 3 PHASE MOTOR	STD. 1 PHASE MOTOR	STD. DC MOTOR	STD. 3 PHASE MOTOR	STD. 1 PHASE MOTOR	STD. DC MOTOR
T1-02	\$450.00	\$550.00	\$575.00	\$550.00	\$650.00	POA
T1-05	475.00	575.00	600.00	575.00	675.00	
T1-07	500.00	600.00	625.00	600.00	700.00	
TQ1-02	675.00	775.00	800.00	775.00	875.00	POA
TQ1-05	700.00	800.00	825.00	800.00	900.00	
TQ1-07	725.00	825.00	850.00	825.00	925.00	
T4-07	600.00	800.00	825.00	700.00	925.00	POA
T4-10	600.00	800.00	825.00	700.00	925.00	
T4-15	625.00	825.00	850.00	725.00	975.00	
T4-20	675.00	850.00	900.00	775.00	1025.00	
T4-25	675.00	875.00	925.00	775.00	1025.00	
T4-30	700.00	900.00	950.00	800.00	1025.00	
T10-15	800.00	1000.00	1025.00	900.00	1150.00	POA
T10-20	800.00	1000.00	1025.00	900.00	1150.00	
T10-25	825.00	1025.00	1075.00	925.00	1175.00	
T10-30	825.00	1025.00	1075.00	925.00	1175.00	
T10-40	850.00	NA	NA	975.00	NA	
T10-60	850.00	NA	NA	975.00	NA	
T40-40	950.00	1350.00	1275.00	1075.00	1500.00	POA
T40-60	975.00	1400.00	1300.00	1100.00	1575.00	
T40-80	1250.00	NA	1600.00	1400.00	NA	
T40-100	1300.00	NA	1800.00	1475.00	NA	
T40-150	1800.00	NA	2200.00	1975.00	NA	
T40-200	1900.00	NA	2400.00	2075.00	NA	

These are the motors that Crane Co. considers standard. All have a voltage tolerance of plus or minus 10%. Those marked with an asterisk are stocked.

3 Phase AC: 220, 230, 440, 460, 550, 575, 220/440* or 230/460* Volts,
60 cycles, 1750 RPM, 15 Minute Duty.
380 Volts, 50 cycles, 1450 RPM, 15 Minute Duty.

1 Phase AC: 110, 115, 220 or 230 volts, 50 or 60 cycles,
1450 RPM (50 Cycle) or 1750 RPM (60 cycle) 5 Minute Duty.

DC: 125 or 250 Volts, 1900 RPM, 5 Minute Duty.

ADAPTATION

These prices cover factory adaptation to new valves, or in the case of operators for field installation on existing valves, they cover adapter parts only.

VALVE				CRANE TELEDYNE	
TYPE	MAKE	DESIGN	SIZE	SIZE	ADAPTER PRICE
OS&Y GATE	CRANE	CURRENT	ANY	ANY	NC
	CRANE	OLD	ANY	ANY	\$106.00
	NON-CRANE	ANY	ANY	ANY	106.00
NRS GATE	CRANE	CURRENT	ANY	ANY	71.00
	CRANE	OLD	ANY	ANY	177.00
	NON-CRANE	ANY	ANY	ANY	177.00
GLOBE, ANGLE OR STOP- CHECK	CRANE	CURRENT	ANY	T1	40.00
				T4	50.00
				T10	75.00
				T40	100.00
	CRANE	OLD	ANY	T1	146.00
				T4	156.00
				T10	181.00
				T40	206.00
	NON-CRANE	ANY	ANY	T1	146.00
				T4	156.00
				T10	181.00
				T40	206.00
BUTTERFLY	CRANE	CURRENT	UP TO 10"	TQ1	NA
			12" & UP	TQ1	NC
	NON-CRANE	CURRENT	ANY	ANY	NA
BALL	CRANE FLO-BALL	CURRENT END ENTRY	ANY	T1, T4 T10 OR T40 (1)	NC
				TQ1 (2)	NC
	NON-CRANE	ANY	ANY	ANY	NA

(1) Adapters to adapt operator to a screw operator equipped Flo-Ball Valve.

(2) Adapters to adapt operator directly to a Flo-Ball Valve.

SPECIAL OPERATOR FEATURES AND ACCESSORIES

DESCRIPTION	PRICE
FOUR EXTRA (EIGHT TOTAL) POSITION SWITCHES	\$ 40.00
DOUBLE TORQUE SWITCHES	NC
SPACE HEATER FOR CONTROL COMPARTMENT OF WEATHER-PROOF OPERATORS (Control compartment space heater is standard on explosion-proof operators.)	4.00
BREATHER & DRAIN FOR CONTROL COMPARTMENT OF WEATHER-PROOF OPERATORS (Control compartment breather & drain is standard on explosion-proof operators.)	24.00
SLIDE WIRE TRANSMITTER (T4, T10, T40 only)	37.00
REMOTE POSITION INDICATORS (Receiver only - requires slide wire transmitter)	
PANEL MOUNTING, NO ENCLOSURE	100.00
SURFACE MOUNTING GENERAL PURPOSE (NEMA 1) ENCL.	125.00
SURFACE MOUNTING WEATHER-PROOF (NEMA 4) ENCL.	150.00
SURFACE MOUNTING EXPLOSION-PROOF (NEMA 7) ENCL.	250.00
ROD TYPE POSITION INDICATOR & METAL STEM COVER	30.00
METAL STEM COVER	15.00
DUCTILE IRON CONTROL COMPARTMENT & GEAR HOUSINGS T-1	90.00
T-4	100.00
T-10	120.00
T-40	160.00
OVERSEAS EXPORT PACKING-	
T-1	25.00
T-4	30.00
T-10	35.00
T-40	40.00

SPECIAL MOTOR FEATURES

MOTOR SIZE (FT-LBS)	NON- STANDARD VOLTAGE	25 CYCLE	900 RPM 3-PHASE	3600 RPM 3-PHASE	40% RUN	30 MINUTE DUTY 3-PHASE	SPACE HEATER (CERAMIC)	BREATHER AND DRAIN
2	Add 2% Basic Opr. Price	Add 15% Basic Opr. Price	32.00	18.00	Add 10% Basic Opr. Price	40.00	24.00	24.00
5			32.00	18.00		40.00	24.00	24.00
7.5			32.00	18.00		40.00	24.00	24.00
10			32.00	30.00		40.00	24.00	24.00
15			48.00	38.00		50.00	24.00	24.00
20			48.00	38.00		50.00	24.00	24.00
25			66.00	40.00		56.00	24.00	24.00
30			66.00	40.00		56.00	24.00	24.00
40			66.00	40.00		70.00	24.00	24.00
60			120.00	45.00		90.00	24.00	24.00
80			136.00	56.00		100.00	24.00	24.00
100			236.00	146.00		126.00	24.00	24.00
150			236.00	146.00		160.00	24.00	24.00
200			294.00	180.00		186.00	24.00	24.00

MOTOR SIZE (FT-LBS)	TROPICAL TREAT- MENT	STATOR ENCAPSULATION		CLASS H INSUL- ATION (1)	IEEE AEEE 45 (2)	DUCTILE IRON FRAME 3-PHASE	MAGNETIC BRAKE 3-PHASE (3)	
		EPOXY	SILICONE				WEATHER PROOF	EXPLOSION PROOF
2	Add 5% Basic Opr. Price	44.00	80.00	57.00	44.00	195.00	118.00	335.00
5		44.00	80.00	57.00	44.00	195.00	118.00	335.00
7.5		44.00	80.00	57.00	44.00	195.00	118.00	335.00
10		77.00	96.00	57.00	44.00	195.00	132.00	384.00
15		77.00	96.00	57.00	44.00	195.00	132.00	384.00
20		77.00	96.00	57.00	44.00	195.00	132.00	384.00
25		77.00	96.00	57.00	44.00	195.00	156.00	444.00
30		77.00	96.00	57.00	44.00	195.00	156.00	444.00
40		99.00	118.00	70.00	48.00	215.00	184.00	500.00
60		99.00	118.00	70.00	48.00	215.00	227.00	550.00
80		165.00	184.00	70.00	84.00	235.00	314.00	586.00
100		165.00	184.00	70.00	84.00	295.00	314.00	586.00
150		165.00	184.00	80.00	84.00	375.00	350.00	622.00
200		165.00	184.00	80.00	100.00	465.00	400.00	726.00

(1) Includes silicone greased bearings.

(2) Does not include ductile iron frame.

(3) Brakes for small sizes of three-phase motors will be single phase.

INTEGRAL CONTROL EQUIPMENT

REVERSING STARTERS

OPERATOR SIZE	REVERSING STARTER		
	NEMA SIZE	VOLTAGE	PRICE
ANY	0	AC	\$ 196.00
T4, T10 OR T40	1	AC	224.00
	1	DC	256.00
T40	2	AC	350.00
	2	DC	370.00

CONTROL TRANSFORMERS

575, 460 OR 230 VOLT, 60 CYCLE PRIMARY, 115 VOLT SECONDARY	\$ 20.00
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CONTROL STATIONS

COMPLETE STATIONS	3 BUTTONS, 2 LIGHTS	\$ 87.00
	2 BUTTONS, 2 LIGHTS	68.00
	1 SELECTOR SWITCH, 2 LIGHTS	57.00
	1 TURN-PUSH SELECTOR SWITCH, 2 LIGHTS	76.00
	3 BUTTONS, 2 LIGHTS, 1 SELECTOR SWITCH	118.00
	2 BUTTONS, 2 LIGHTS, 1 SELECTOR SWITCH	95.00
	2 SELECTOR SWITCHES, 2 LIGHTS	84.00
	1 TURN-PUSH SEL. SW., 2 LIGHTS, 1 STD. SEL. SW.	103.00
COMPONENTS	PUSH BUTTON	19.00
	LIGHT	15.00
	COMBINATION PUSH BUTTON & LIGHT	36.00
	STANDARD SELECTOR SWITCH	27.00
	TURN-PUSH SELECTOR SWITCH	46.00

Integral control stations and transformers mount in the enclosure for the integral reversing starter. If operator is desired with an integral control station and/or transformer, but less an integral reversing starter, add \$40.00 to the basic operator price to cover the cost of the enclosure.

SEPARATE CONTROL EQUIPMENTREVERSING STARTERS

DESCRIPTION	NEMA SIZE	VOLTAGE	GENERAL PURPOSE (NEMA 1)	WEATHER PROOF (NEMA 4)	EXPLOSION PROOF NEMA (7)	INDUSTRIAL USE (NEMA 12)
LESS CONTROL TRANSFORMER	0	AC	\$138.00	\$215.00	\$397.00	\$150.00
	1	AC	152.00	262.00	416.00	188.00
	2	AC	300.00	465.00	685.00	348.00
	3	AC	492.00	736.00	1252.00	669.00
	1	DC	216.00	336.00	426.00	270.00
	2	DC	370.00	510.00	650.00	424.00
WITH CONTROL TRANSFORMER	3	DC	620.00	760.00	910.00	680.00
	0	AC	178.00	255.00	446.00	190.00
	1	AC	192.00	302.00	465.00	228.00
	2	AC	356.00	521.00	768.00	404.00
	3	AC	574.00	818.00	1362.00	751.00

CONTROL STATIONS

DESCRIPTION	GENERAL PURPOSE (NEMA 1)		WEATHER PROOF (NEMA 4)		EXPLOSION PROOF (NEMA 7)		INDUSTRIAL USE NEMA (12)	
	SURFACE MTG.	FLUSH MTG.	SURFACE MTG.	FLUSH MTG.	SURFACE MTG.	FLUSH MTG.	SURFACE MTG.	FLUSH MTG.
3 Buttons, 2 Lights	\$ 79.00	\$ 94.00	\$110.00	\$110.00	\$143.00	\$143.00	\$ 95.00	\$95.00
2 Buttons, 2 Lights	66.00	78.00	102.00	102.00	120.00	129.00	84.00	90.00
1 Sel. Switch, 2 Lights	58.00	66.00	100.00	100.00	106.00	114.00	79.00	83.00
3 Buttons	56.00	69.00	95.00	95.00	128.00	128.00	76.00	82.00
2 Buttons	52.00	64.00	86.00	86.00	113.00	113.00	69.00	75.00
1 Button	32.00	33.00	38.00	38.00	43.00	47.00	35.00	36.00
1 Sel. Switch	45.00	58.00	69.00	69.00	74.00	83.00	56.00	64.00
3 Buttons, 2 Lights, 1 Sel. Switch	101.00	116.00	137.00	137.00	181.00	200.00	119.00	127.00
2 Buttons, 2 Lights, 1 Sel. Switch	80.00	95.00	125.00	125.00	154.00	139.00	117.00	110.00
3 Buttons, 1 Light	66.00	81.00	97.00	97.00	120.00	129.00	81.00	89.00
2 Buttons, 1 Light	58.00	70.00	93.00	93.00	112.00	120.00	76.00	82.00
1 Button, 2 Lights	50.00	56.00	100.00	100.00	169.00	169.00	75.00	78.00