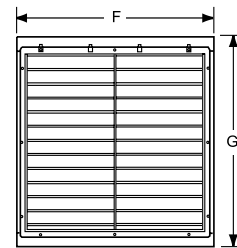
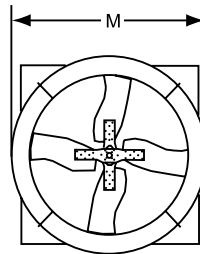
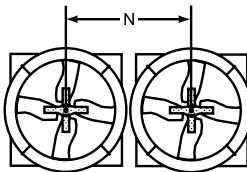
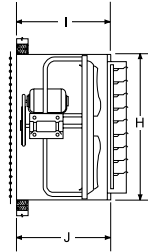
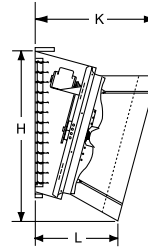
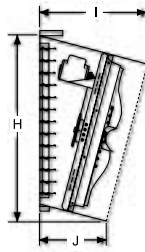
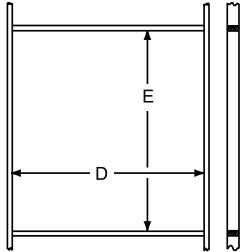




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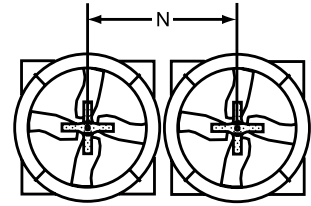
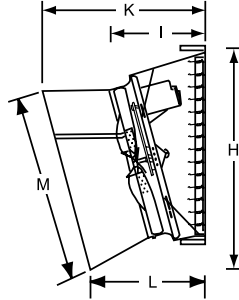
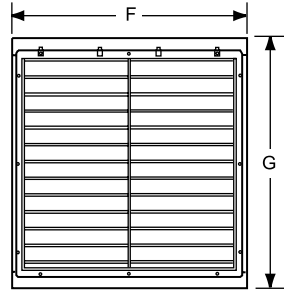
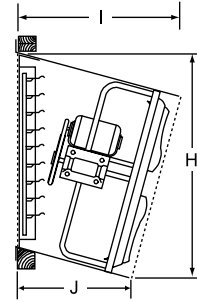
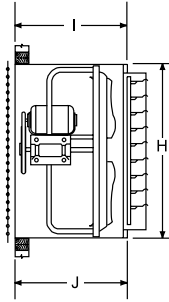
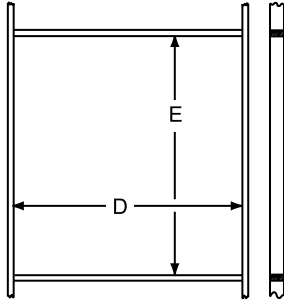
Form B193A
 July 2002

DIMENSIONAL DATA



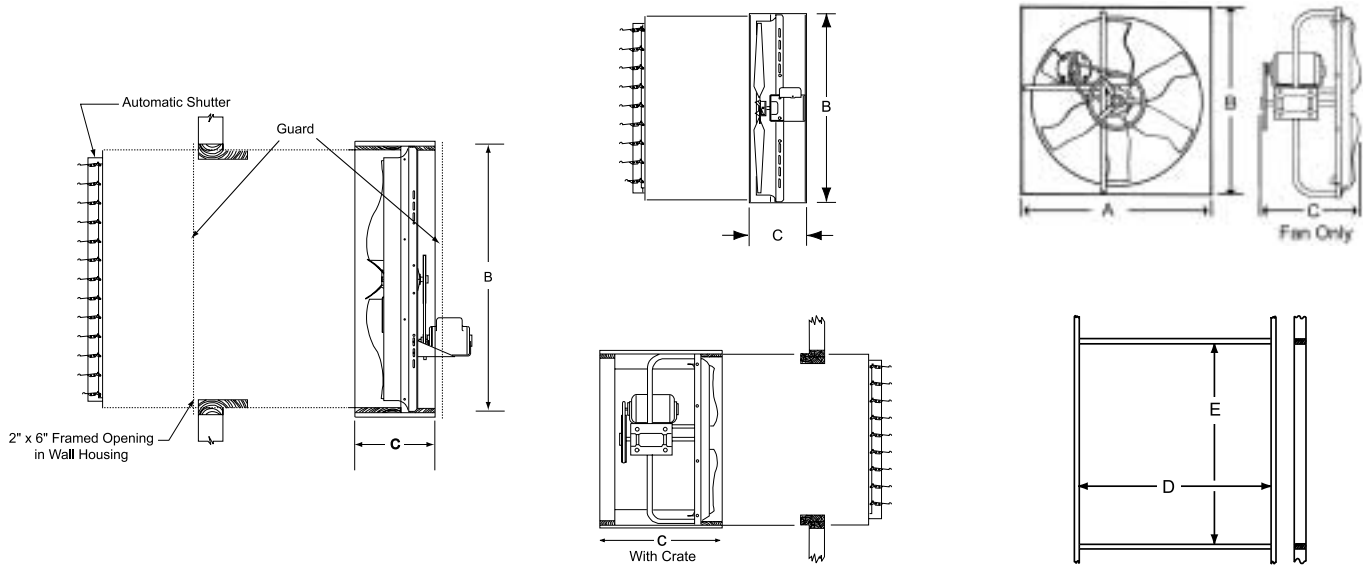
AGD/BDR/ADR WS, WSS, WSC, WSSC, & WB												
Fan Model	Framed Opening Width	Framed Opening Height	Width Including Mounting Flange	Height Including Mounting Flange	Overall Height	Top Depth Of Housing	Bottom Depth Of Housing	Top Depth With Cone	Bottom Depth With Cone	Cone O.D.	Cone Fan Center Distances Cone O.D. +15"	Est. Ship Weight Lbs.
	D	E	F	G	H	I	J	K	L	M	N	
AGD24 w/WS	28.75	30.75	31.38	33.34	35.61	31.66	24.86	N/A	N/A	N/A	N/A	144
AGD24 w/WSC	28.75	30.75	31.38	33.34	38.12	23.96	17.26	36.81	29.36	30.12	45.00	154
AGD30 w/WS	34.75	36.75	37.38	39.21	42.06	34.12	25.37	N/A	N/A	N/A	N/A	151
AGD30 w/WSC	34.75	36.75	37.38	39.21	45.83	25.41	16.65	41.63	32.35	37.46	53.00	166
AGD36 w/WSS	40.75	42.75	43.38	45.15	46.00	27.14	17.22	N/A	N/A	N/A	N/A	180
AGD36 w/WSSC	40.75	42.75	43.38	45.15	51.82	21.43	10.64	40.56	28.88	45.13	60.00	154
AGD42 w/WS	46.75	49.00	49.38	52.11	54.26	36.49	24.40	N/A	N/A	N/A	N/A	215
AGD42 w/WSC	46.75	49.00	49.38	52.11	60.61	28.68	16.90	49.22	36.21	52.35	67.00	183
AGD48 w/WSS	54.75	57.25	57.38	58.93	59.70	28.22	14.66	N/A	N/A	N/A	N/A	251
AGD48 w/WSSC	54.75	57.25	57.38	58.93	67.93	24.10	9.60	47.40	31.80	59.45	76.00	218
AGD24 w/WB	28.75	28.75	30.39	29.23	28.12	24.19	24.19	N/A	N/A	N/A	N/A	130
AGD30 w/WB	34.75	34.75	36.39	35.23	34.12	24.19	24.19	N/A	N/A	N/A	N/A	136
AGD36 w/WB	40.75	40.75	42.39	41.23	40.12	24.19	24.19	N/A	N/A	N/A	N/A	162
AGD42 w/WB	46.75	46.75	48.50	47.24	46.13	26.19	26.19	N/A	N/A	N/A	N/A	194
AGD48 w/WB	54.75	54.75	59.96	55.39	54.02	27.21	27.21	N/A	N/A	N/A	N/A	226
BDR36 w/WSS	40.75	42.75	43.38	45.15	46.00	27.14	17.22	N/A	N/A	N/A	N/A	192
BDR36 w/WSSC	40.75	42.75	43.38	45.15	51.82	20.73	10.71	33.75	22.25	45.13	60.00	212
BDR36 w/WB	40.75	40.75	42.39	41.23	40.12	24.19	24.19	N/A	N/A	N/A	N/A	171
BDR48 w/WSS	54.75	57.75	57.38	58.86	62.64	33.06	19.50	N/A	N/A	N/A	N/A	264
BDR48 w/WSSC	54.75	57.75	57.38	58.86	67.50	23.34	9.44	48.24	32.98	59.45	75.00	289
BDR48 w/WB	54.75	54.75	56.96	55.39	54.02	27.21	27.21	N/A	N/A	N/A	N/A	239
BDR54 w/WS	60.75	63.50	63.50	66.13	69.33	35.31	19.98	N/A	N/A	N/A	N/A	312
BDR54 w/WSC	60.75	63.50	63.50	66.13	76.84	24.82	9.30	52.33	34.82	67.98	83.00	340
BDR54 w/WB	60.75	60.75	63.50	61.65	60.28	31.21	31.29	N/A	N/A	N/A	N/A	270
ADR36 w/WSC	40.75	42.75	43.38	45.37	53.96	26.49	16.27	45.70	34.64	45.13	60.00	184
ADR36 w/WSSC	40.75	42.75	43.38	45.15	51.82	20.73	10.71	33.75	22.25	45.13	60.00	177
ADR36 w/WS	40.75	42.75	43.38	45.15	46.00	33.90	23.73	N/A	N/A	N/A	N/A	164
ADR36 w/WSS	40.75	42.75	43.38	45.15	46.00	27.14	17.22	N/A	N/A	N/A	N/A	157
ADR36 w/WB	40.75	40.75	42.39	41.23	40.12	24.19	24.19	N/A	N/A	N/A	N/A	165

DIMENSIONAL DATA



DDPS/DDPG/DC/DCA/FQ/FN WS, WSS, WSC, & WB												
Fan Model	Framed Opening Width	Framed Opening Height	Width Including Mounting Flange	Height Including Mounting Flange	Overall Height	Top Depth Of Housing	Bottom Depth Of Housing	Top Depth With Cone	Bottom Depth With Cone	Cone O.D.	Cone Fan Center Distances Cone O.D. +15"	Est. Ship Weight Lbs.
	D	E	F	G	H	I	J	K	L	M	N	
DDPS14-C	18.25	19.25	21.81	22.89	26.44	20.46	15.79	30.53	24.90	19.63	35.00	50
DDPS18-C	24.13	25.50	27.50	29.10	32.77	22.02	16.17	34.36	27.79	24.63	40.00	65
DDPS24-C	30.88	32.25	34.25	35.69	41.12	23.26	15.20	39.36	30.08	31.63	47.00	90
DDPS36-C	46.25	47.75	49.63	51.09	57.57	24.02	13.64	48.51	36.36	46.97	62.00	174
DDPG & DDPS48 -A	57.13	59.75	58.50	62.14	62.14	32.66	20.48	N/A	N/A	N/A	N/A	335
DDPG & DDPS48 -C	57.13	59.75	58.50	62.14	71.14	26.69	13.97	48.34	32.50	61.20	76.00	335
DC/DCA24 w/WS	28.75	30.75	31.38	33.34	35.61	31.66	24.86	N/A	N/A	N/A	N/A	120
DC/DCA30 w/WS	34.75	36.50	37.38	39.21	42.06	34.12	25.37	N/A	N/A	N/A	N/A	151
DC/DCA36 w/WS	40.75	42.75	43.38	45.15	46.00	27.14	17.22	N/A	N/A	N/A	N/A	157
DC/DCA42 w/WS	46.75	49.00	49.38	52.11	54.46	36.49	24.40	N/A	N/A	N/A	N/A	183
DC/DCA48 w/WS	54.75	57.25	57.38	58.86	64.76	40.74	26.86	N/A	N/A	N/A	N/A	229
DC/DCA54 w/WS	60.75	63.50	63.50	66.13	70.26	39.27	23.78	N/A	N/A	N/A	N/A	320
DC/DCA24 w/WSC	28.75	30.75	31.38	33.34	38.12	23.96	17.26	36.81	29.36	30.12	45.00	119
DC/DCA30 w/WSC	34.75	36.50	37.38	39.21	45.83	25.41	16.65	41.63	32.35	37.46	53.00	143
DC/DCA36 w/WSC	40.75	42.75	43.38	45.15	54.66	26.53	16.27	45.33	33.68	45.07	60.00	178
DC/DCA42 w/WSC	46.75	49.00	49.38	52.11	60.61	28.68	16.90	49.22	36.21	52.35	67.00	207
DC/DCA48 w/WSC	54.75	57.25	57.38	59.74	69.19	31.04	17.05	52.40	37.64	59.50	75.00	237
DC/DCA54 w/WSC	60.75	63.50	63.50	66.13	75.86	28.58	13.10	53.77	37.24	67.05	82.00	266
DC/DCA24 w/WB	28.75	28.75	30.39	29.23	28.12	24.19	24.19	N/A	N/A	N/A	N/A	108
DC/DCA30 w/WB	34.75	34.75	36.39	35.23	34.12	24.19	24.19	N/A	N/A	N/A	N/A	136
DC/DCA36 w/WB	40.75	40.75	42.39	41.23	40.12	24.19	24.19	N/A	N/A	N/A	N/A	142
DC/DCA42 w/WB	46.75	46.75	48.50	47.24	46.13	26.19	26.19	N/A	N/A	N/A	N/A	165
DC/DCA48 w/WB	54.75	54.75	56.96	55.39	54.02	27.21	27.21	N/A	N/A	N/A	N/A	207
DC/DCA54 w/WB	60.75	60.75	63.07	61.65	60.28	31.21	31.29	N/A	N/A	N/A	N/A	288
FQ129 w/WB	16.88	17.75	19.41	20.57	22.64	20.28	16.13	N/A	N/A	N/A	N/A	52
FQ16C6 w/WS	21.88	22.88	24.41	25.75	28.50	24.10	18.59	N/A	N/A	N/A	N/A	66
FN18E4 w/WS	23.88	24.88	26.41	27.83	30.04	22.65	16.62	N/A	N/A	N/A	N/A	76

DIMENSIONAL DATA



AGD/BDR/ADR Wood Box or Metal Box DC/DCA Fan Only/Crate						
Fan Model	Actual Width O.D.	Actual Height O.D.	Depth	Framed Opening Width	Framed Opening Height	Est. Ship Weight Lbs.
	A	B	C	D	E	
AGD24 WOOD BOX	29.00	29.00	14.50	26.50	26.50	59
AGD30 WOOD BOX	35.00	35.00	14.50	32.50	32.50	74
AGD36 WOOD BOX	41.00	41.00	14.50	38.50	38.50	90
AGD36 WIDE WOOD BOX	41.00	41.00	19.00	38.50	38.50	100
AGD36 METAL BOX	40.17	40.17	12.05	40.35	40.35	80
AGD36 WIDE METAL BOX	40.17	40.17	18.55	40.35	40.35	90
AGD42 WOOD BOX	47.00	47.00	15.91	44.50	44.50	128
AGD48 WOOD BOX	54.87	54.87	15.91	52.38	52.38	170
AGD WIDE WOOD BOX	54.87	54.87	22.00	52.38	52.38	185
AGD48 METAL BOX	54.05	54.05	17.02	54.24	54.24	150
AGD48 WIDE METAL BOX	54.05	54.05	22.27	54.24	54.24	170
BDR36 WOOD BOX	41.00	41.00	14.50	38.50	38.50	104
BDR36 WIDE WOOD BOX	41.00	41.00	25.00	38.50	38.50	115
BDR36 METAL BOX	40.17	40.17	14.55	40.35	40.35	92
BDR36 WIDE METAL BOX	40.17	40.17	25.05	40.35	40.35	104
BDR48 WOOD BOX	54.87	54.87	15.91	52.38	52.38	196
BDR48 WIDE WOOD BOX	54.87	54.87	28.50	52.38	52.38	213
BDR48 METAL BOX	54.05	54.05	16.02	54.24	54.24	173
BDR48 WIDE METAL BOX	54.05	54.05	28.52	54.24	54.24	196
BDR54 WOOD BOX	61.00	61.00	18.00	58.50	58.50	216
BDR54 METAL BOX	60.15	60.15	17.88	60.35	60.35	194
ADR36 WOOD BOX	41.00	41.00	17.00	38.50	38.50	95
ADR36 WIDE METAL BOX	40.17	40.17	18.55	40.35	40.35	95
	Fan Only		Fan/Crated		Using the Crate	
DC24 FAN ONLY/CRATE	28.00	28.00	18.50/18.75	26.50	26.50	123
DC30 FAN ONLY/CRATE	34.00	34.00	19.13/19.50	32.50	32.50	140
DC36 FAN ONLY/CRATE	40.00	40.00	17.38/18.75	38.50	38.50	183
DC42 FAN ONLY/CRATE	46.00	46.00	18.75/20.75	44.50	44.50	213
DC48 FAN ONLY/CRATE	54.00	54.00	19.63/23.00	52.50	52.50	320

Typical drawings are for dimensional purposes only and are correct within limits suitable for normal installation requirements. They do not necessarily show actual construction.

TERMS AND CONDITIONS

ACCEPTANCE All orders and sales are subject to written approval and acceptance by an executive officer of Acme Engineering & Manufacturing Corporation at Muskogee, Oklahoma, and are not binding on the Company until so approved.

DELIVERY Delivery of the equipment herein specified shall be made F.O.B. point of shipment, unless otherwise stated. The Company shall not be liable for delay due to causes beyond its reasonable control, such as Acts of God, acts of the purchaser, acts of civil or military authorities, priorities, fires, strikes, floods, epidemics, war, riots, delays in transportation, car shortages, and inability, due to reasons beyond its reasonable control, to obtain necessary labor, material, or manufacturing facilities. In the event of such a delay, the date of delivery shall be extended for a period equal to the time lost by reason of the delay.

TERMS OF PAYMENT If, in the judgment of the Company, the financial condition of the purchaser at any time does not justify continuation of manufacture or shipment on the terms of payment specified, the Company may require full or partial payment in advance.

Pro rata payments shall become due as shipments are made. Each shipment or delivery shall constitute a separate sale, and the default of any shipment or delivery shall constitute a separate sale, and the default of any shipment or delivery shall not vitiate the contract as to other shipments or deliveries.

PRICE ADJUSTMENT In the event of a price change prior to completion of this offer, price will be that prevailing at time of shipment.

SALES AND SIMILAR TAXES The Company's prices do not include sales, use, excise, or similar taxes. Consequently, in addition to the price specified herein, the amount of any present or future sales, use, excise, or other similar tax applicable to the sale of the equipment herein shall be paid by the Purchaser, or in lieu thereof the Purchaser shall provide the Company with a tax exemption certificate acceptable to the taxing authorities.

CANCELLATION Any contract resulting from this quotation may be cancelled by the Purchaser only by negotiations and upon payments of reasonable cancellation charges which will take into account expenses already incurred and commitments made by the Company.

DESIGN CHANGES The company reserves the right to make changes in design, improvements and additions in and to its products any time without imposing any liability or obligations to itself to apply or install the same in any product manufactured by it.

TITLE The title and right of possession of the equipment sold herein shall remain with the Company and such equipment shall remain personal property until all payments herein (including deferred payments whether evidenced by notes or otherwise) shall have been made in full in cash and the Purchaser agrees to do all acts necessary

to perfect and maintain such right and title in the Company.

PRICE ADJUSTMENTS AND PROTECTION Prices on equipment manufactured by the Company are firm for shipment up to four months from the date of the original order entry. Such prices are subject to adjustment if shipment is made after four months and up to ten months from the date of the original order entry, if equipment is shipped ten months from the date of the original order entry, prices will be adjusted to the price in effect at the time of shipment automatically. All complete component accessory material manufactured by others and furnished with the Company's equipment such as motors, drives, vibration equipment, controls or other completely assembled component structures, are subject to adjustment to the price at time of shipment regardless of the date of original order entry.

SAFETY ACCESSORIES The Company manufactures equipment designed to serve multiple applications and offers a wide range of safety equipment, including guards and other devices, as may be required to meet customer specifications. Without exception, the Company recommends that all orders include applicable safety devices. Equipment ordered without applicable safety devices is clearly the responsibility of the Purchaser. Further, the Purchaser warrants that he has determined and acquired any and all safety devices required for equipment sold by the Company. Weather covers and guards for motor and V-belt drives, couplings, shafts and bearings, along with inlet and outlet screens, are optional accessories noted in the price list.

WARNING Acme products are designed and manufactured to provide reliable performance but they are not guaranteed to be 100% free of defects. Even reliable products will experience occasional failures and this possibility should be recognized by the User. If these products are used in a life support ventilation system where failure could result in loss or injury, the User should provide adequate back-up ventilation, supplementary natural ventilation or failure alarm system, or acknowledge willingness to accept the risk of such loss or injury.

WARNING DO NOT use in HAZARDOUS ENVIRONMENTS where fan's electrical system could provide ignition to combustible or flammable materials unless unit is specifically built for hazardous environments.

CAUTION Guards must be installed when fan is within reach of personnel or within seven (7) feet (2.134 m) of working level or when deemed advisable for safety.

DISCLAIMER The Company has made a diligent effort to illustrate and describe the products in this literature accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the products are merchantable, or fit for a particular purpose, or that the products will necessarily conform to the illustrations or descriptions or dimension.

LIMITED WARRANTY

WARRANTY AND DISCLAIMER: Acme Engineering and Manufacturing Corporation extends this limited warranty to the original buyer and warrants that products supplied by the Company, shall be free from original defects in workmanship and materials for two years from date of shipment (except for the warranty periods noted for products in the paragraph immediately following), provided same have been properly handled, stored, installed, serviced, maintained and operated. This warranty shall not apply to products which have been altered or repaired without the Company's express authorization, or altered or repaired in any way so as, in the Company's judgment, to affect its performance or reliability, nor which have been improperly installed or subjected to misuse, negligence, or accident, or incorrectly used in combination with other substances. Evaporative cooling pads are warranted to be free of defects in materials and workmanship for a period of two years from date of shipment provided same have been properly handled, stored, installed, serviced, maintained and operated; and further, not subjected to excessive heat, corrosive agents or chemicals, or mechanical abuse that may cause tearing, crushing or undue deterioration, nor used on a system or in a manner other than that for which it was designed as explained in the product literature. The Buyer assumes all risks and liability for results of use of all products.

Acme's exclusive duplex split pillow block bearings and shaft are warranted to be free of defects in materials and workmanship for a period of five years from date of shipment. Belts are warranted to be free of defects in materials and workmanship for a period of one year from date of shipment. Polyethylene tubing is warranted to be free of defects in materials and workmanship for a period of 90 days from date of shipment.

LIMITATION OF REMEDY AND DAMAGES: All claims under this warranty must be made in writing and delivered to P. O. Box 978, Muskogee, Oklahoma, 74402, within 15 days after discovery of the defect and prior to the expiration of two years from the date of shipment by the Company of the product claimed defective, and Buyer shall be barred from any remedy if Buyer fails to make such claim within such period.

Within 30 days after receipt of a timely claim, the Company shall have the option either to inspect the product while in Buyer's possession or to request Buyer to return the product to the Company at Buyer's expense for inspection by the Company. The Company shall replace, or at its option repair, free of charge, any product it determines to be defective, and it shall ship the repaired or replacement product to Buyer F.O.B. point of shipment; provided, however, if circumstances are such as in the Company's judgment to prohibit repair or replacement to remedy the warranted defects, the Buyer's sole and exclusive remedy shall be a refund to the Buyer of any part of the invoice price, paid to the Company, for the defective product or part.

The Company is not responsible for the cost of removal of the defective product or part, damages due to removal, or any expenses incurred in shipping the product or part to or from the Company's plant, or the installation of the repaired or replaced product or part.

Implied warranties, when applicable, shall commence upon the same date as the express warranty provided above, and shall, except for warranties of title, extend only for the duration of the express warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. The only remedy provided to you under an applicable implied warranty and the express warranty shall be the remedy provided under the express warranty, subject to the terms and conditions contained therein. The Company shall not be liable for incidental and consequential losses and damages un-

der the express warranty, any applicable implied warranty, or claims for negligence, except to the extent that this limitation is found to be unenforceable under applicable state law. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

No employee, agent, dealer, or other person is authorized to give any warranties on behalf of the Company or to assume for the Company any other liability in connection with any of its products except in writing and signed by an officer of the Company.

REPLACEMENT PARTS If replacement parts are ordered, buyer warrants that the original components in which these replacement parts will be placed are in satisfactory working condition, and when said replacement parts are installed, the resultant installation will operate in a safe manner, at speeds and temperatures for which the original equipment was purchased.

TECHNICAL ADVICE AND RECOMMENDATIONS, DISCLAIMER: Notwithstanding any past practice or dealings or any custom of the trade, sales shall not include the furnishing of technical advice or assistance or system design. Any such assistance shall be at the Company's sole option and may be subject to additional charge.

The Company assumes no obligation or liability on account of any recommendations, opinions or advice as to the choice, installation or use of products. Any such recommendations, opinions or advice are given and shall be accepted at your own risk and shall not constitute any warranty or guarantee of such products or their performance.

GENERAL In no event shall any claim for consequential damages be made by either party. The Company will comply with all applicable Federal, State, and local laws.



**ACME ENGINEERING AND
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