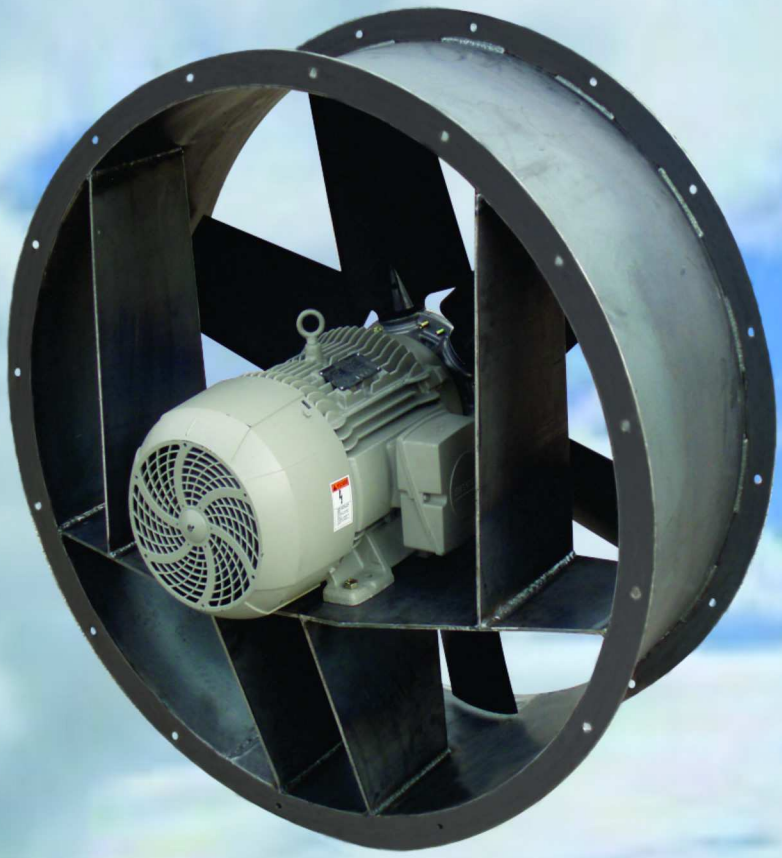
ATC

AIR TECHNOLOGY CORPORATION, S.A. DE C.V.

TWP/A

AERO VENTILADORES TUBO AXIALES ATC
ACOPLAMIENTO DIRECTO
HELICE EN ANGULO VARIABLE



ATC INDUSTRIAL TUBULAR AXIAL FLOW
DIRECT DRIVE FANS

AIR TECHNOLOGY CORPORATION, S.A. DE C.V.

TWP/A

AERO EXTRACTOR – INYECTOR TUBULAR

ACOPLAMIENTO DIRECTO DE ALTA EFICIENCIA

HELICE DE ANGULO VARIABLE DE 42" Y 48" DE DIÁMETRO

La serie TWP/A de Aero Extractores – Inyectores Tubulares Mca. ATC de acoplamiento directo, ha sido específicamente desarrollada para aplicaciones industriales, en donde la combinación de cantidades de alabes en una hélice con ángulo de inclinación variable y diferentes revoluciones por minuto del motor (polos) permite obtener la gama de ventiladores mas eficientes con el rango mas completo de caudales-presiones en el mercado.

Características principales:

- Carcaza tubular fabricada en placa de acero rolado en caliente, totalmente soldada, con acabado en pintura poliester en polvo horneada.
- Hélice de aluminio inyectado o polipropileno reforzado con fibra de vidrio de 42" y 48" de diámetro en 3 y 6 alabes con ángulo de inclinación variable, balanceada dinámicamente, anti-chispa, altamente resistente a la corrosión.
- Accionado por acoplamiento directo a los motores eléctricos trifásicos de alta eficiencia en 4 y 6 polos, totalmente cerrados con ventilación exterior, diseñados bajo especificaciones NEMA con protección IP55 y aislamiento clase F.

Aplicaciones:

Presurización en procesos industriales, ventilación en minas, túneles, chimeneas, estacionamientos subterráneos, cabinas de pintura, torres de enfriamiento, etc.

NOMENCLATURA:

T WP / A– 4– 48–6 / 23º

1 2 3 4 5 6

1. Modelo
2. Tipo de Hélice
   P: Plástico
   A: Aluminio
3. No. De Polos del Motor
4. Diámetro de hélice en pulgadas
5. No. de alabes de la hélice
6. Grado de inclinación de las alabes.

AIR TECHNOLOGY CORPORATION, S.A. DE C.V.

TWP/A

ATC INDUSTRIAL DIRECT DRIVE TUBE AXIAL FANS

HIGH EFFICIENCY VARIABLE PITCH BLADES
42" AND 48" DIAMETERS

The TWP/A series are heavy duty tubular supply and exhaust fans designed for industrial applications, where the combination of the quantities of blades, variable pitch angles and different motor RPM generates a wide range of top performance fans with high air volumes and pressure in today's market.

Construction Features:

- The fan casing is made of heavy gauge all welded steel construction with a corrosion resistant electrostatically applied polyester powder coating finish.
- The high performance non spark die cast aluminum or polypropylene reinforced fiberglass fan blades are available in 42" and 48" diameters with 3 and 6 blades in adjustable pitch angles.
- All heavy duty motors are totally enclosed fan cooled (TEFC) and are manufactured in cast aluminum or cast iron with IP55 protection and class F insulation in 4 and 6 poles.

Applications:

Pressurization in industrial processes, ventilation in mining industries, tunnels, chimneys, indoor parking lots, painting booths, cooling towers, etc.

NOMENCLATURE:

T WP / A – 4 – 48 – 6 / 23°
1 2 3 4 5 6

1. Model
2. Type of Fan Blade
   P: Plastic
   A: Aluminum
3. No. of motor poles
4. Fan blade diameter in inches
5. No. of blades
6. Pitch degree angle.

AIR TECHNOLOGY CORPORATION, S.A. DE C.V.

TWP/A

ESPECIFICACIONES TÉCNICAS (PERFORMANCE DATA)

MODELO (MODEL)	CAUDAL@ 0" C.A. VOLUME@ 0" W.G.		POTENCIA POWER (HP)	VELOCIDAD MOTOR MOTOR SPEED (RPM)	AMPERAJE MAX MAX CURRENT (A)		NIVEL SONORO * SOUND PRESSURE LEVEL dB (A) *	PESO APROX. ** ESTIMATED WEIGHT **	
	CFM	M^3/HR			220V	440V		LB	KG
TWP/A-4-42-3/21º	29,800	50,630	7.5	1725	23	11.5	78	385	175
TWP/A-4-42-3/24º	34,500	58,616	10	1725	28	14	81	392	178
TWP/A-4-42-3/29º	42,700	72,547	15	1725	42	21	85	498	226
TWP/A-4-42-3/33º	47,800	81,212	20	1725	54	27	88	531	241
TWP/A-4-42-6/20º	29,400	49,951	10	1725	28	14	77	409	186
TWP/A-4-42-6/25º	38,200	64,902	15	1725	42	21	83	515	234
TWP/A-4-42-6/29º	45,100	76,625	20	1725	54	27	87	548	249
TWP/A-4-42-6/31º	48,500	82,402	25	1725	64	32	89	691	314
TWP/A-4-42-6/34º	53,300	90,557	30	1725	78	39	90	735	334
TWP/A-4-48-3/22º	44,800	76,115	15	1725	42	21	82	553	251
TWP/A-4-48-3/25º	51,900	88,178	20	1725	54	27	85	586	266
TWP/A-4-48-3/27º	56,900	96,673	25	1725	64	32	87	729	331
TWP/A-4-48-3/30º	64,500	109,586	30	1725	78	39	90	773	351
TWP/A-4-48-3/34º	71,000	120,629	40	1725	104	52	92	883	401
TWP/A-4-48-3/37º	75,800	128,784	50	1725	126	63	93	905	411
TWP/A-4-48-6/20º	42,000	71,358	20	1725	54	27	80	603	274
TWP/A-4-48-6/23º	49,600	84,270	25	1725	64	32	84	746	339
TWP/A-4-48-6/25º	54,800	93,105	30	1725	78	39	86	790	359
TWP/A-4-48-6/29º	65,000	110,435	40	1725	104	52	90	900	409
TWP/A-4-48-6/32º	72,400	123,008	50	1725	126	63	92	922	419
TWP/A-6-42-3/20º	18,800	31,941	2	1150	7	3.5	68	321	146
TWP/A-6-42-3/24º	23,000	39,077	3	1150	9	4.5	72	354	161
TWP/A-6-42-3/30º	29,600	50,290	5	1150	14	7	77	395	180
TWP/A-6-42-3/36º	34,100	57,936	7.5	1150	20	10	81	489	222
TWP/A-6-42-6/20º	19,600	33,300	3	1150	9	4.5	69	371	169
TWP/A-6-42-6/26º	26,600	45,193	5	1150	14	7	75	412	187
TWP/A-6-42-6/31º	32,300	54,878	7.5	1150	20	10	80	506	230
TWP/A-6-42-6/35º	36,600	62,183	10	1150	28	14	82	540	245
TWP/A-6-48-3/20º	26,700	45,363	5	1150	14	7	71	450	205
TWP/A-6-48-3/23º	31,400	53,349	5	1150	14	7	74	450	205
TWP/A-6-48-3/27º	38,000	64,562	7.5	1150	20	10	78	544	247
TWP/A-6-48-3/31º	44,100	74,926	10	1150	28	14	81	578	263
TWP/A-6-48-3/37º	50,600	85,969	15	1150	40	20	84	608	276
TWP/A-6-48-6/23º	33,100	56,237	7.5	1150	20	10	75	561	255
TWP/A-6-48-6/27º	39,900	67,790	10	1150	28	14	79	595	270
TWP/A-6-48-6/32º	48,300	82,062	15	1150	40	20	84	625	284
TWP/A-6-48-6/36º	54,700	92,935	20	1150	52	26	86	768	349
TWP/A-6-48-6/39º	59,600	101,260	25	1150	64	32	88	865	393
TWP/A-6-48-6/42º	64,300	109,246	30	1150	78	39	90	933	424

* Nivel Sonoro calculado a 1.5 mt. (5 pies) de la fuente en un campo hemisférico libre según AMCA standar 301.

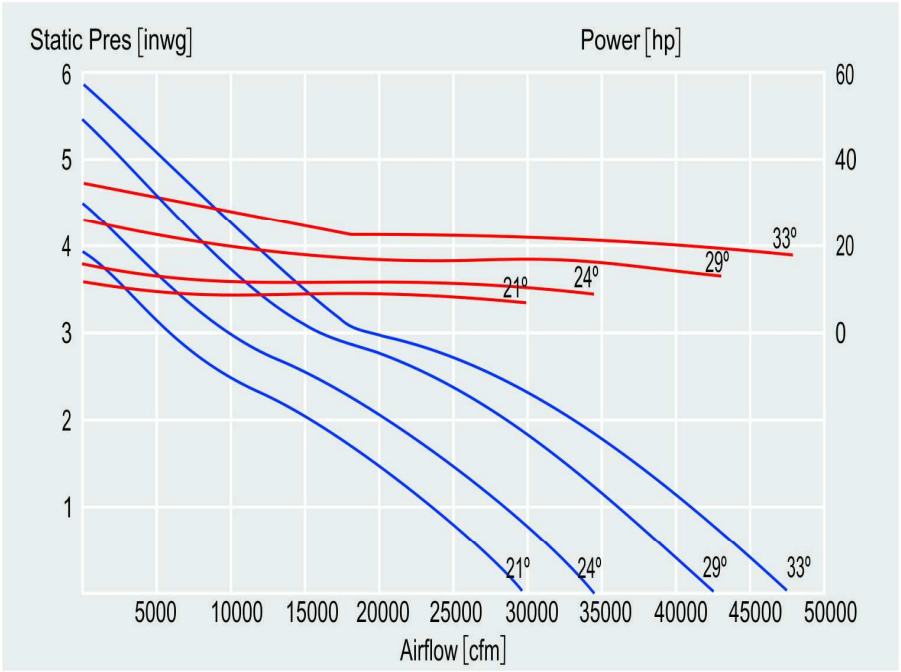
* Sound Pressure measured in a free field with ½ spherical propagation at a distace of 1.5 meter (5 feet) from the source according to AMCA Standard 301.

** El peso indicado en la tabla superior es para ventiladores con hélice de aluminio; para hélice de plástico en 3 y 6 alabes, reduzca el peso en 13Lb (6 Kg) y 16 Lb (7.4 Kg) respectivamente.

** The weight shown in the above table is for fans with aluminium blades; for 3 & 6 plastics blades, reduce the fan weight by 13Lb (6 Kg) and 16 Lb (7.4 Kg) respectively.

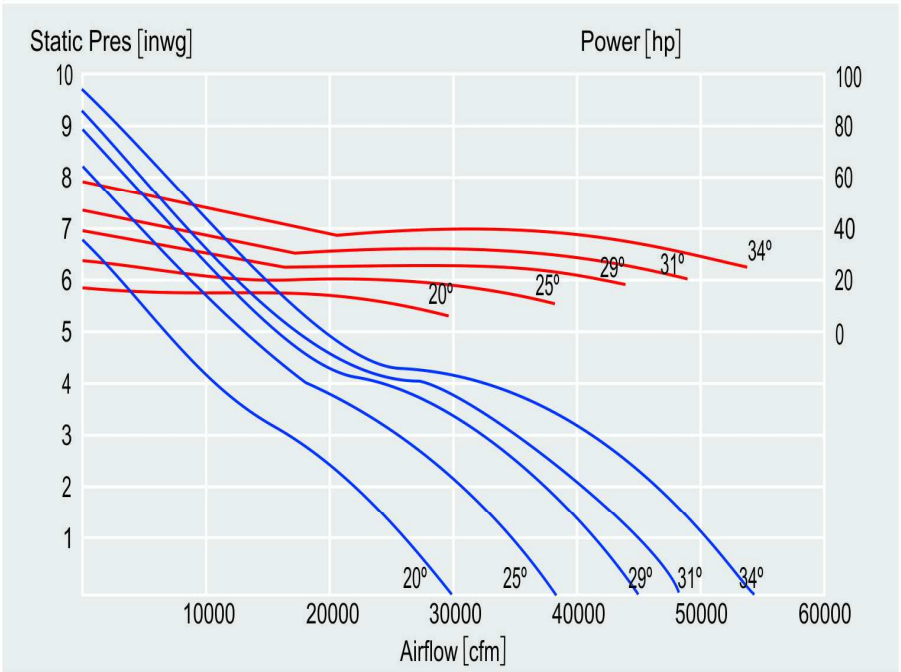
CURVAS DE OPERACIÓN (PERFORMANCE CURVES)

TWP/A-42 4 POLOS 3 ALABES



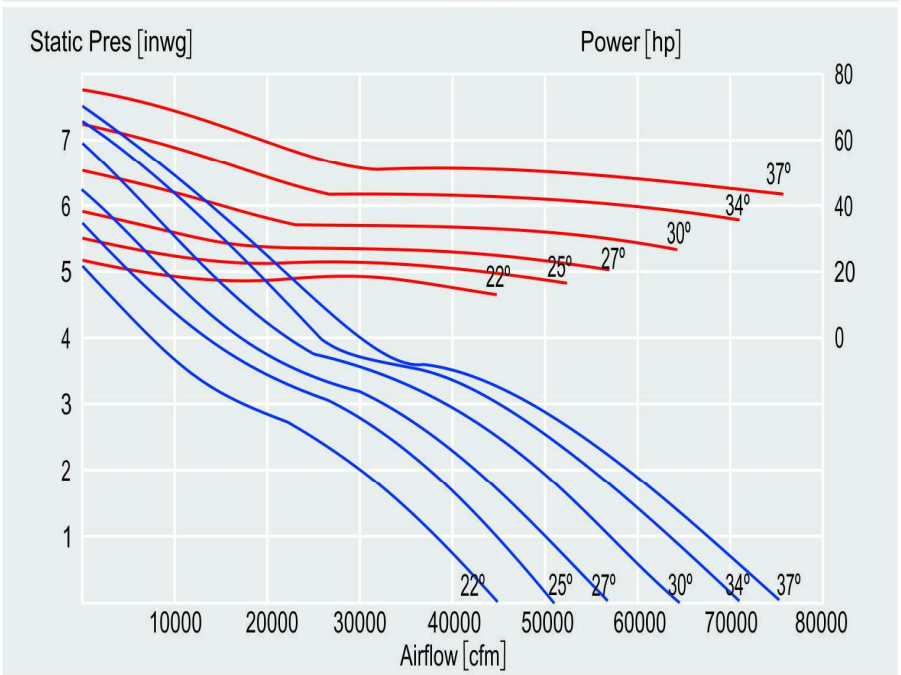
TWP/A-42 4 POLES 3 BLADES

TWP/A-42 4 POLOS 6 ALABES



TWP/A-42 4 POLES 6 BLADES

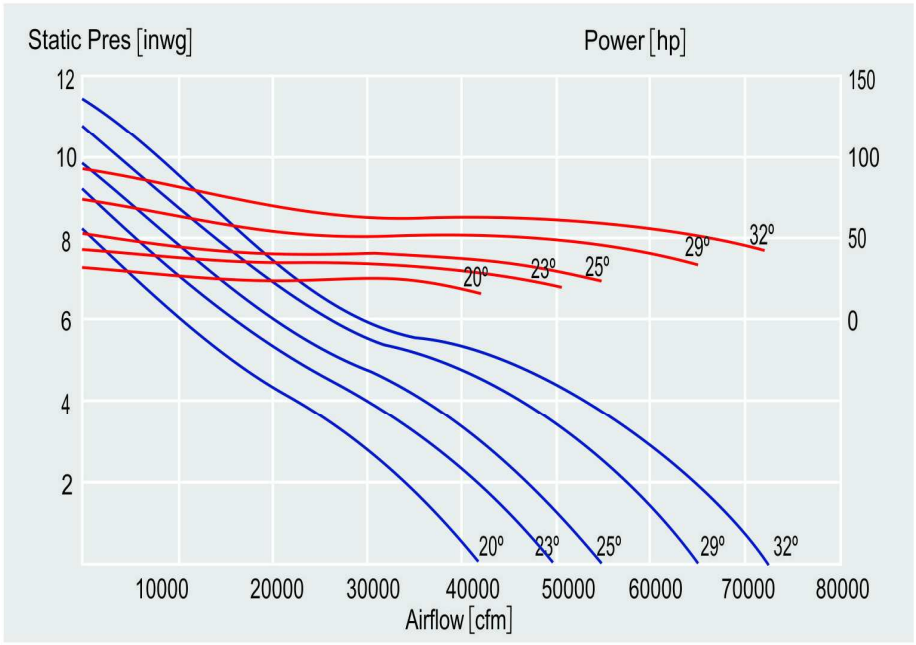
TWP/A-48 4 POLOS 3 ALABES



TWP/A-48 4 POLES 3 BLADES

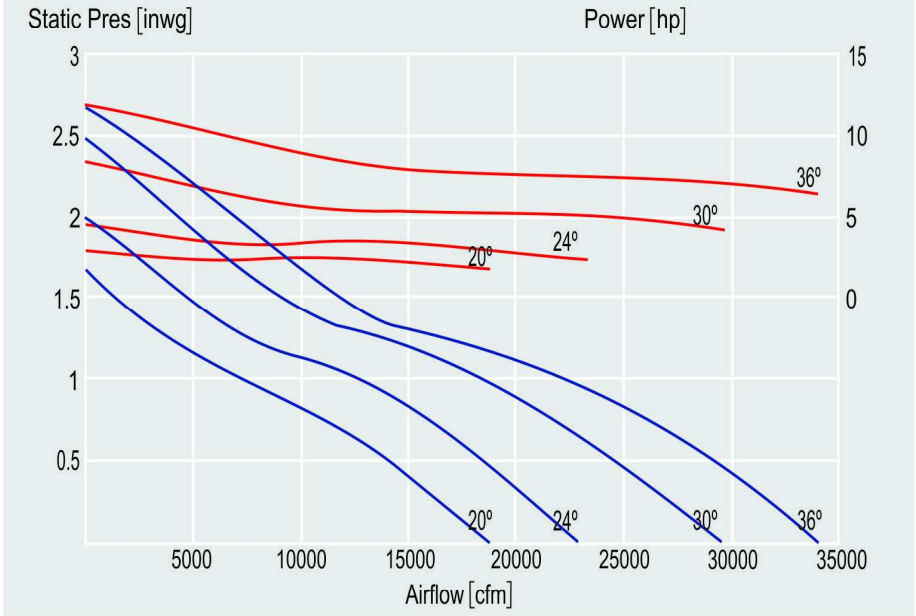
CURVAS DE OPERACIÓN (PERFORMANCE CURVES)

TWP/A-48 4 POLOS 6 ALABES



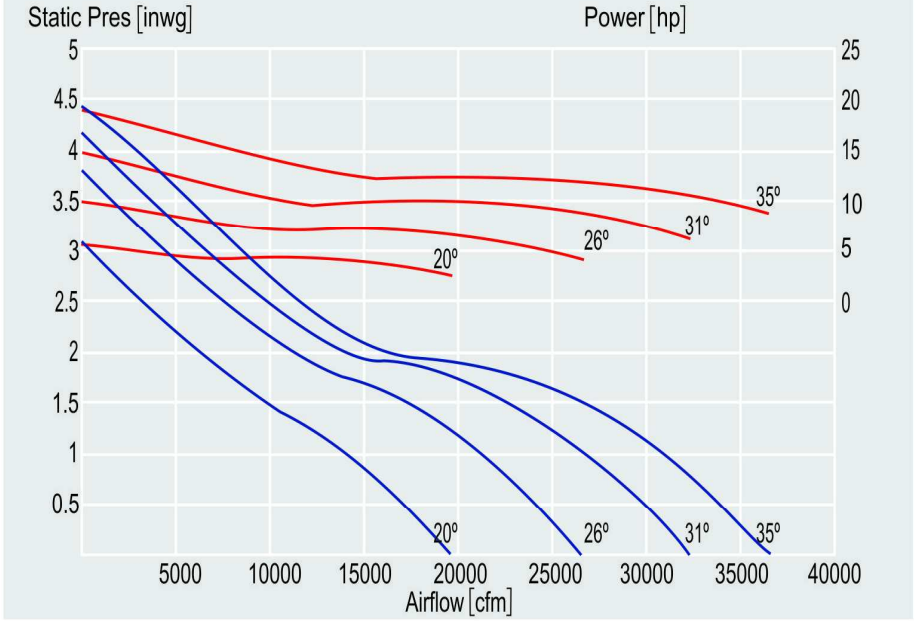
TWP/A-48 4 POLES 6 BLADES

TWP/A-42 6 POLOS 3 ALABES



TWP/A-42 6 POLES 3 BLADES

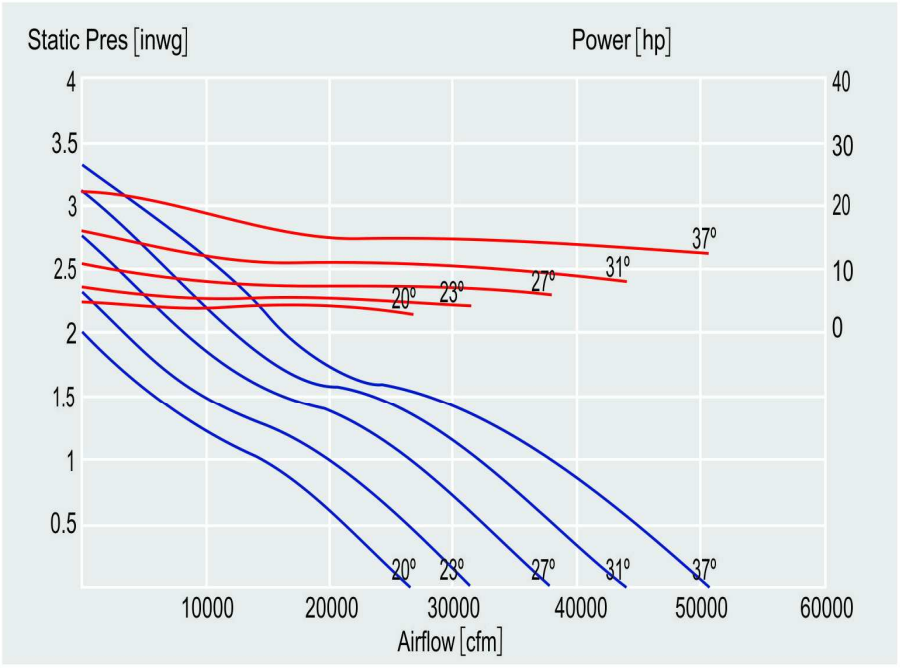
TWP/A-42 6 POLOS 6 ALABES



TWP/A-42 6 POLES 6 BLADES

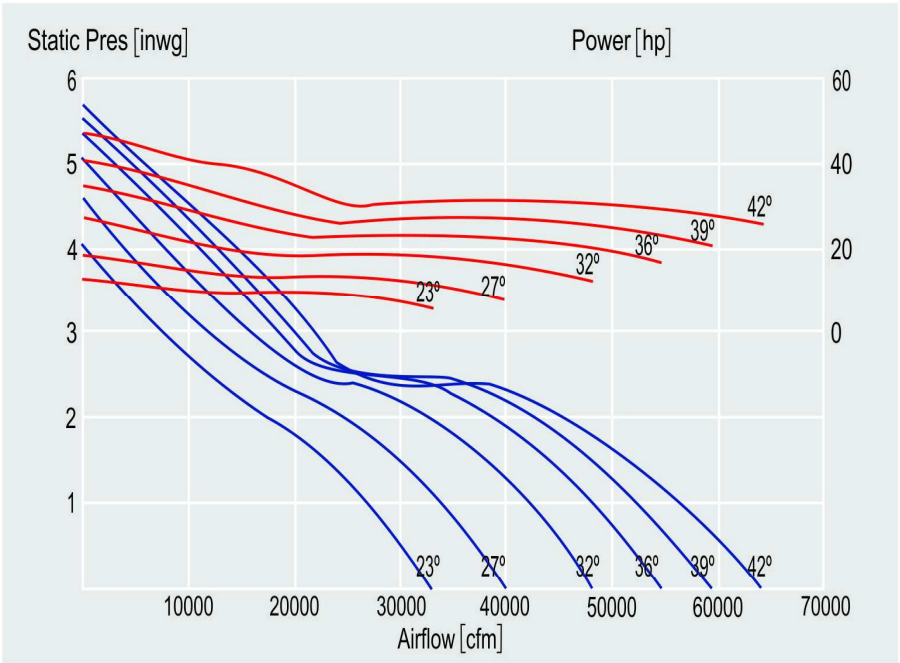
CURVAS DE OPERACIÓN (PERFORMANCE CURVES)

TWP/A-48 6 POLOS 3 ALABES



TWP/A-48 6 POLES 3 BLADES

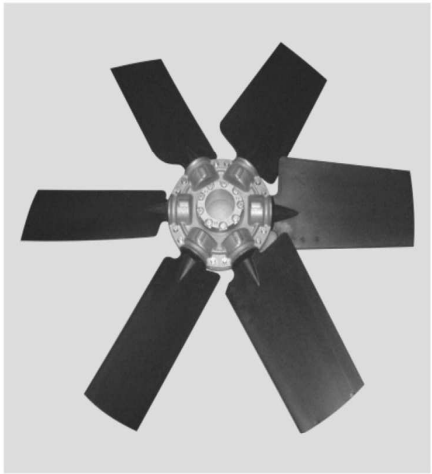
TWP/A-48 6 POLOS 6 ALABES



TWP/A-48 6 POLES 6 BLADES

Hélice de Aluminio Inyectado
(Aluminum Fan Blade)

Cubo en Aluminio Inyectado
(Aluminum Hub Set)



Hélice en Plástico retozado
con Fibra de Vidrio
(PPG Fan Blade)

AIR TECHNOLOGY CORPORATION, S.A. DE C.V.

TWP/A

ESPECIFICACIONES ACÚSTICAS (SOUND PRESSURE SPECIFICATIONS)

SPL dB (A)@ 0" W.G. (C.A.)	BANDA DE FRECUENCIA (FREQUENCY BAND) HZ								
MODELO (MODEL)	63	125	250	500	1K	2K	4K	8K	TOTAL
TWP/A-4-42-3/21º	53	58	67	72	73	71	68	63	78
TWP/A-4-42-3/24º	56	61	70	75	76	74	71	66	81
TWP/A-4-42-3/29º	60	65	74	79	80	78	75	70	85
TWP/A-4-42-3/33º	63	68	77	82	83	81	78	73	88
TWP/A-4-42-6/20º	45	62	65	70	71	69	66	61	77
TWP/A-4-42-6/25º	51	68	71	76	77	75	72	67	83
TWP/A-4-42-6/29º	55	72	75	80	81	79	76	71	87
TWP/A-4-42-6/31º	57	74	77	82	83	81	78	73	89
TWP/A-4-42-6/34º	58	75	78	83	84	82	79	74	90
TWP/A-4-48-3/22º	57	62	71	76	77	75	72	67	82
TWP/A-4-48-3/25º	60	65	74	79	80	78	75	70	85
TWP/A-4-48-3/27º	62	67	76	81	82	80	77	72	87
TWP/A-4-48-3/30º	65	70	79	84	85	83	80	75	90
TWP/A-4-48-3/34º	67	72	81	86	87	85	82	77	92
TWP/A-4-48-3/37º	68	73	82	87	88	86	83	78	93
TWP/A-4-48-6/20º	48	65	68	73	74	72	69	64	80
TWP/A-4-48-6/23º	52	69	72	77	78	76	73	68	84
TWP/A-4-48-6/25º	54	71	74	79	80	78	75	70	86
TWP/A-4-48-6/29º	58	75	78	83	84	82	79	74	90
TWP/A-4-48-6/32º	60	77	80	85	86	84	81	76	92
TWP/A-6-42-3/20º	43	48	57	62	63	61	58	53	68
TWP/A-6-42-3/24º	47	52	61	66	67	65	62	57	72
TWP/A-6-42-3/30º	52	57	66	71	72	70	67	62	77
TWP/A-6-42-3/36º	56	61	70	75	76	74	71	66	81
TWP/A-6-42-6/20º	37	54	57	62	63	61	58	53	69
TWP/A-6-42-6/26º	43	60	63	68	69	67	64	59	75
TWP/A-6-42-6/31º	48	65	68	73	74	72	69	64	80
TWP/A-6-42-6/35º	50	67	70	75	76	74	71	66	82
TWP/A-6-48-3/20º	46	51	60	65	66	64	61	56	71
TWP/A-6-48-3/23º	49	54	63	68	69	67	64	59	74
TWP/A-6-48-3/27º	53	58	67	72	73	71	68	63	78
TWP/A-6-48-3/31º	56	61	70	75	76	74	71	66	81
TWP/A-6-48-3/37º	59	64	73	78	79	77	74	69	84
TWP/A-6-48-6/23º	43	60	63	68	69	67	64	59	75
TWP/A-6-48-6/27º	47	64	67	72	73	71	68	63	79
TWP/A-6-48-6/32º	52	69	72	77	78	76	73	68	84
TWP/A-6-48-6/36º	54	71	74	79	80	78	75	70	86
TWP/A-6-48-6/39º	56	73	76	81	82	80	77	72	88
TWP/A-6-48-6/42º	58	75	78	83	84	82	79	74	90

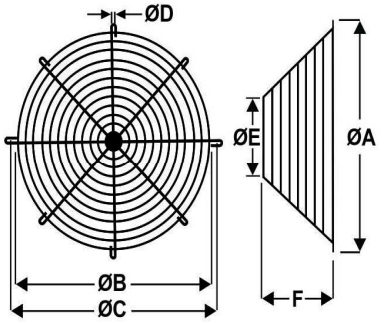
PRESIÓN SONORA (SOUND PRESSURE) dB (A)

Espectro de presión Sonora en dB (A) por banda de frecuencia en Hz.
Sound Pressure Spectrum [SPL dB (A)] per Frequency Band (Hz).

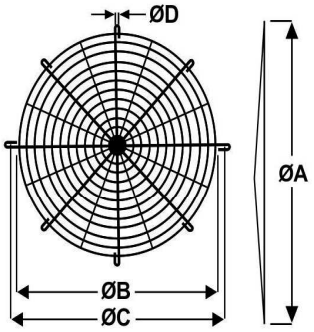
AIR TECHNOLOGY CORPORATION, S.A. DE C.V.

TWP/A

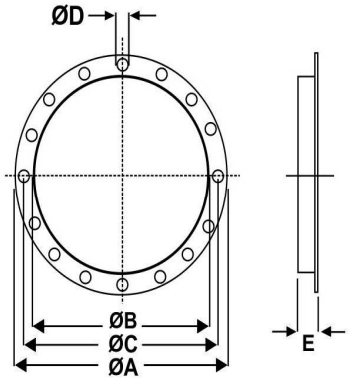
ACCESORIOS OPCIONALES: (OPTIONAL ACCESSORIES)



MODELO (MODEL)	PULGADAS (INCHES)						No. DE BARRENOS (HOLES)
	ØA	ØB	ØC	ØD	ØE	F	
TWP/A-42	47	43	45	½	25	13	8
TWP/A-48	53	49	51	½	31	15	8

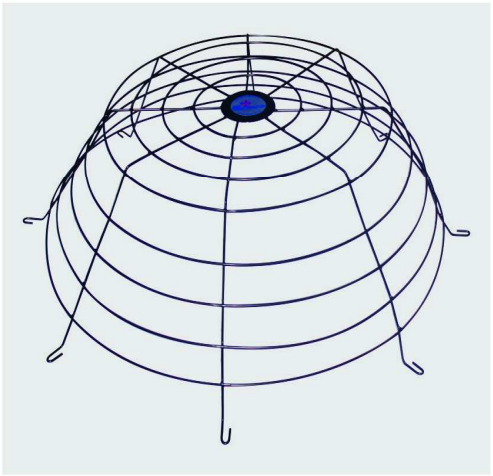


MODELO (MODEL)	PULGADAS (INCHES)				No. DE BARRENOS (HOLES)
	ØA	ØB	ØC	ØD	
TWP/A-42	47	43	45	½	8
TWP/A-48	53	49	51	½	8

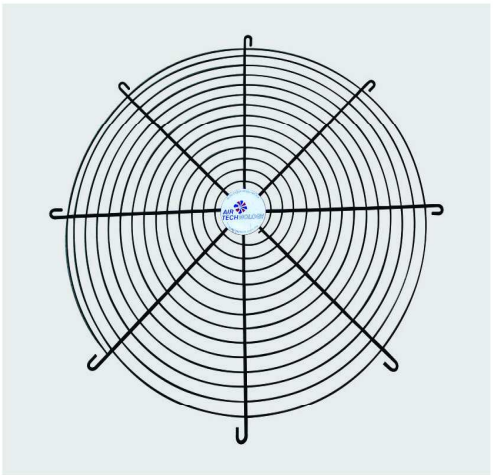


MODELO (MODEL)	PULGADAS (INCHES)					No. DE BARRENOS (HOLES)
	ØA	ØB	ØC	ØD	E	
TWP/A-42	47	43	45	½	2 3/4	16
TWP/A-48	53	49	51	½	2 3/4	16

REJILLA DE PROTECCION EN SUCCION (INLET GUARD)



REJILLA DE PROTECCION EN DESCARGA (DISCHARGE GUARD)

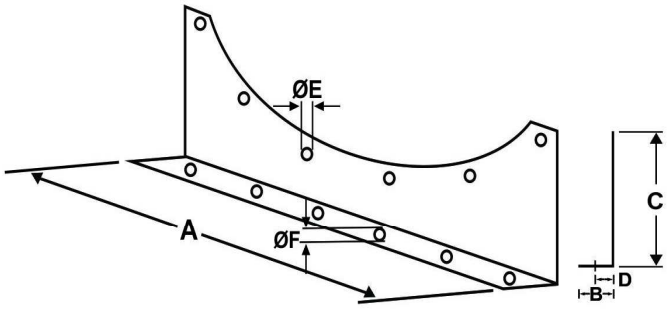


BRIDA PARA DUCTO (DUCT FLANGE)

AIR TECHNOLOGY CORPORATION, S.A. DE C.V.

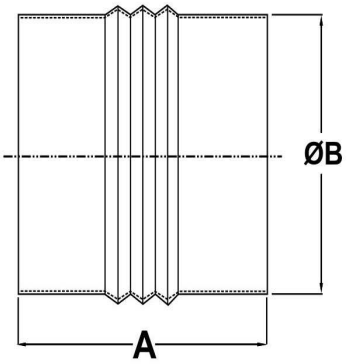
TWP/A

BASE O SOPORTE DEL VENTILADOR (FAN STAND)



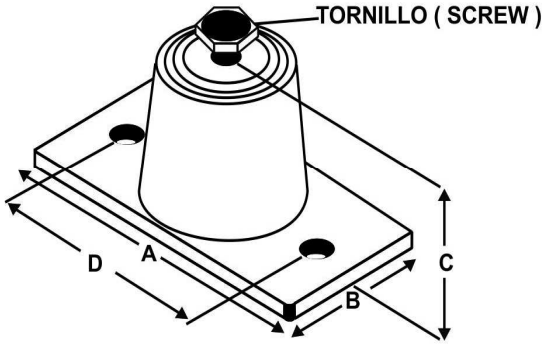
MODELO (MODEL)	PULGADAS (INCHES)						No. DE BARRENOS (HOLES)
	A	B	C	D	ØE	ØF	
TWP/A-42	39 3/4	2 3/4	12 ½	1 3/8	½	½	12
TWP/A-48	44 ½	2 3/4	14 ½	1 3/8	½	½	12

JUNTA ELASTICA ANTIVIBRATORIA (FLEXIBLE JOINT)



MODELO (MODEL)	PULGADAS (INCHES)	
	A	Ø B
TWP/A-42	12	43
TWP/A-48	12	49

TACONES ANTIVIBRATORIOS (VIBRATION ISOLATORS)



MODELO (MODEL)	PULGADAS (INCHES)					RANGO DE CARGA (WEIGHT RANGE)	
	A	B	C	D	TORNILLO (SCREW)	LB	KG
NT-B	3 7/8	2 1/3	1 7/8	3	3/8 NC16	88-484	40-220
NT-D	5 ½	3 3/8	3	4 1/8	½ NC13	198-1320	90-600

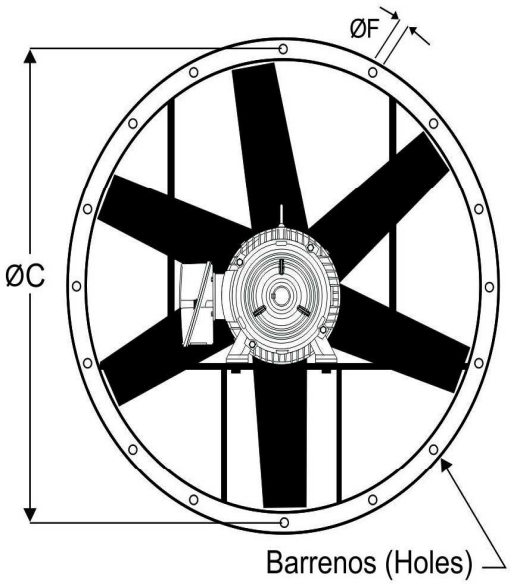
TWP/A

AERO EXTRACTOR–INYECTOR TUBULAR DE ACOPLAMIENTO DIRECTO

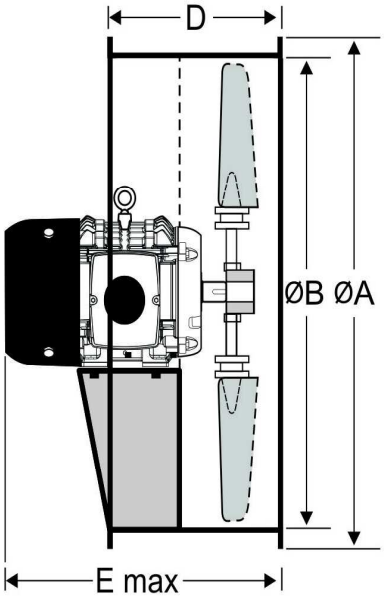
HELICE DE ALTA EFICIENCIA EN ANGULO VARIABLE DE 42" Y 48" DE DIAMETRO

ATC INDUSTRIAL DIRECT DRIVE TUBE AXIAL FANS
HIGH EFFICIENCY VARIABLE PITCH BLADES IN 42" AND 48" DIAMETERS

VISTA POSTERIOR (BACK VIEW)



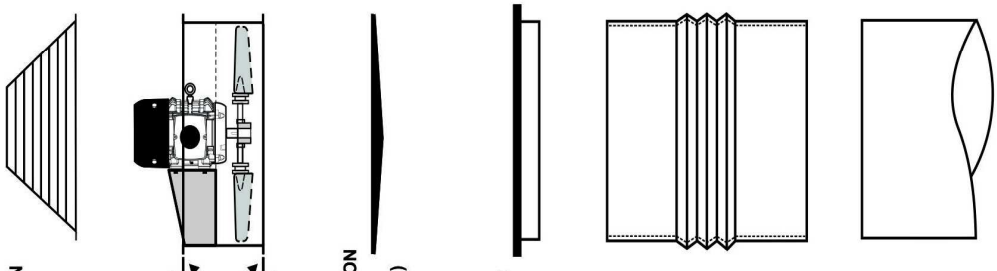
VISTA LATERAL (SIDE VIEW)



DIMENSIONES GENERALES (DIMENSIONS)

MODELO (MODEL)	PULGADAS (INCHES)						No. de Barrenos (Holes)
	Ø A	Ø B	Ø C	D	E MAX	Ø F	
TWP/A-42	47	43	45	18	31	½	16
TWP/A-48	53	49	51	20	35	½	16

GUIA PARA ENSAMBLE (ASSEMBLY GUIDE)



REJILLA DE PROTECION EN SUCCION (INLET GUARD)

BASE O SOPORTE DEL VENTILADOR (FAN STAND)

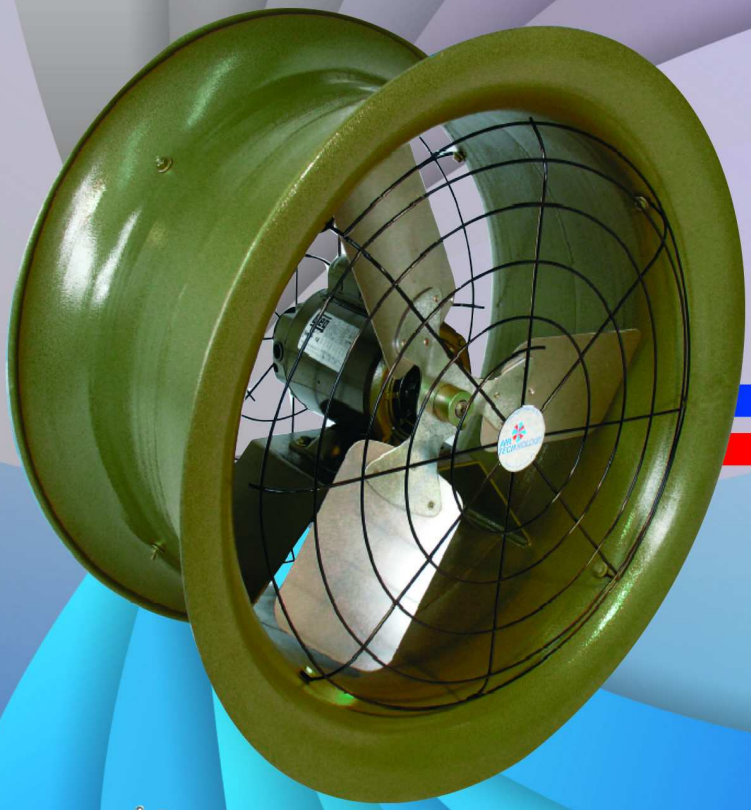
REJILLA DE PROTECCION EN DESCARGA (DISCHARGE GUARD)

BRIDA PARA DUCTO (DUCT FLANGE)

JUNTA ELASTICA ANTIVIBRATORIA (FLEXIBLE JOINT)

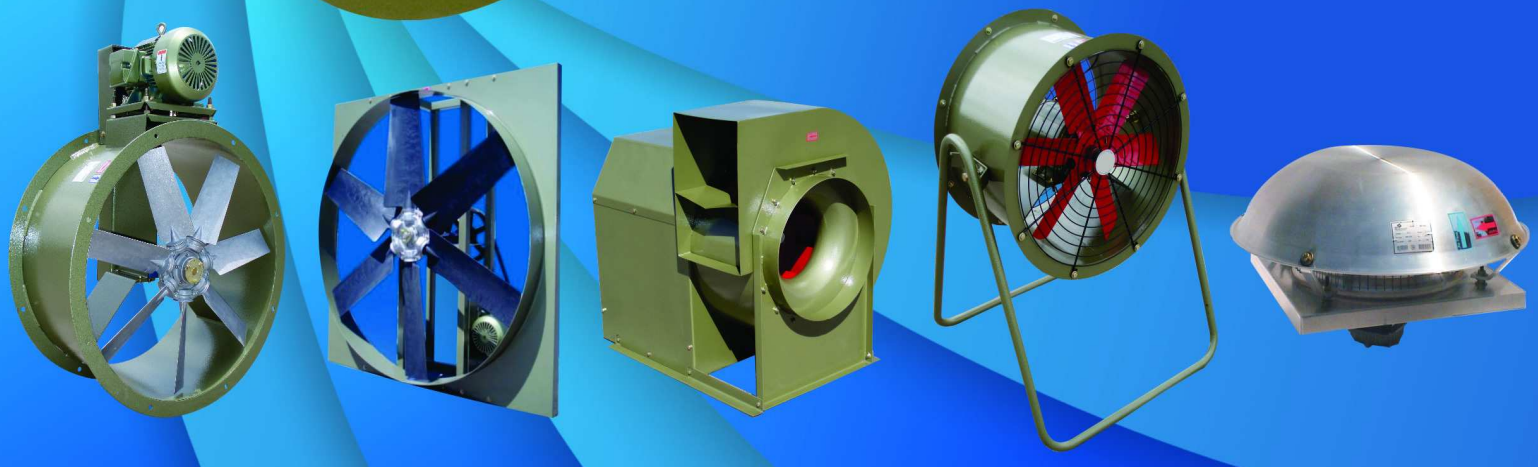
CONDUCTO (DUCT)

AIR TECHNOLOGY CORPORATION, S.A. DE C.V.



ATC

The Right Choice



Air Technology se reserva el derecho de modificación sin previo aviso.
Air Technology reserves the right to change specifications without prior notice.

OFICINAS:
AV. CONSTITUCIÓN No. 9
FRACC. IND. BERNARDO QUINTANA
C.P. 76246 EL MARQUÉS, QRO., MÉXICO
TEL.: (442) 192 15 00 FAX: (442) 192 15 09
E-Mail: airtech@prodigy.net.mx

PLANTA:
BARRANCA DEL POZO No. 8
FRACC. IND. BERNARDO QUINTANA
C.P. 76246 EL MARQUÉS, QRO. MÉXICO
Página Web: www.airtech.com.mx