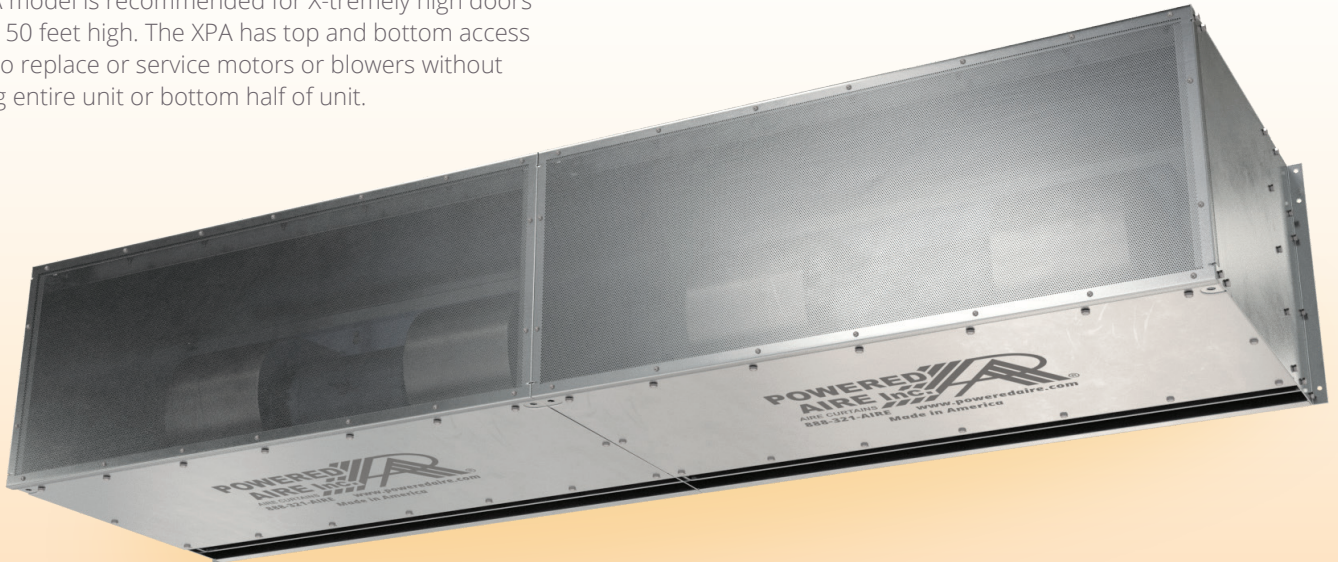




XPA



The XPA model is recommended for X-tremely high doors of up to 50 feet high. The XPA has top and bottom access panels to replace or service motors or blowers without lowering entire unit or bottom half of unit.



AT A GLANCE

Single Incremental Widths

6' to 30'

Max Installation Height

50'

Heavy Duty Motors

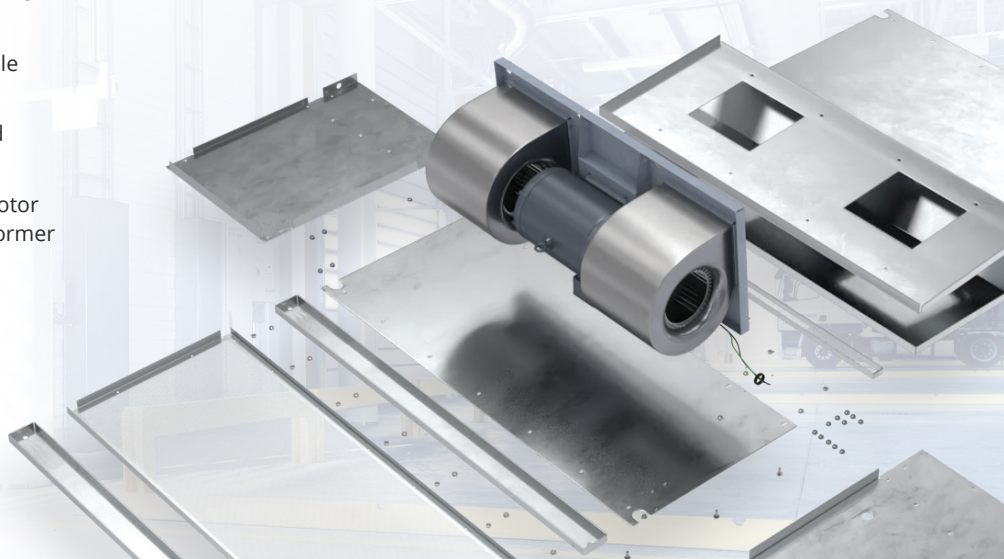
20 HP

KEY DESIGN FEATURES

- Outer cabinet constructed of 16-gauge 304 stainless steel with #3 finish
- 20 HP TEAO (Totally Enclosed Air Over) direct-drive single-speed motor(s)
- High-efficiency discharge plenum with adjustable air foil vane (+/-20°)
- Top and bottom access panels for servicing and removal of motor-blower assembly
- NEMA 12 control panel with factory installed motor soft starter, overload relays, and control transformer

RECOMMENDED CONTROLS

- Activation by 24V magnetic door switch
- Toggle disconnect switch
- Hand/Off/Auto selector switch



► XPA | PERFORMANCE

XPA | Performance Table

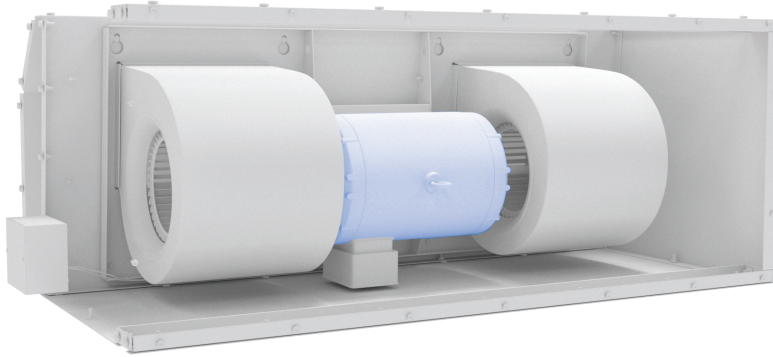
MODEL	Door Width (ft)	Nozzle Width (in)	Max. FPM at Nozzle	Max. CFM at Nozzle	Avg. FPM at Nozzle	CFM at Nozzle	Outlet Velocity Uniformity	Number of Motors	Motor HP (per motor)	Weight (lbs)
XPA-1-72	6	72	10660	28994	5448	21800	93%	1	20	895
XPA-1-84	7	84	10660	31932	5164	24099	91%	1	20	996
XPA-1-96	8	96	10660	35365	5003	26590	89%	1	20	1098
XPA-2-144	12	144	10660	57988	5448	43600	93%	2	20	1790
XPA-2-156	13	156	10660	60926	5295	45899	92%	2	20	1891
XPA-2-168	14	168	10660	63864	5164	48198	91%	2	20	1992
XPA-2-180	15	180	10660	67297	5078	50689	90%	2	20	2094
XPA-2-192	16	192	10660	70730	5003	53180	89%	2	20	2196
XPA-3-216	18	216	10660	86989	5448	65400	93%	3	20	2685
XPA-3-228	19	228	10660	89920	5343	67699	92%	3	20	2786
XPA-3-240	20	240	10660	92858	5249	69998	91%	3	20	2887
XPA-3-252	21	252	10660	95796	5164	72297	91%	3	20	2988
XPA-3-264	22	264	10660	99229	5105	74788	90%	3	20	3090
XPA-3-276	23	276	10660	102662	5052	77279	90%	3	20	3192
XPA-3-288	24	288	10660	106095	5003	79770	89%	3	20	3294
XPA-4-300	25	300	10660	118914	5368	89499	92%	4	20	3681
XPA-4-312	26	312	10660	121852	5295	91798	92%	4	20	3782
XPA-4-324	27	324	10660	124790	5227	94097	92%	4	20	3883
XPA-4-336	28	336	10660	127728	5164	96396	91%	4	20	3984
XPA-4-348	29	348	10660	131161	5119	98887	90%	4	20	4086
XPA-4-360	30	360	10660	134594	5078	101378	90%	4	20	4188

XPA | Sound Levels

High Speed 85 dBA Measured 10 ft. from unit in a free field based on a 1 motor unit

XPA | Amp Draw and Breaker Options

Model/Number of Motors	208V Amp Draw (Breaker size)	240V Amp Draw (Breaker size)	480V Amp Draw (Breaker size)	575V Amp Draw (Breaker size)
XPA-1-72, 84, 96	56.0A (80)	54.0A (70)	27.0A (35)	22.0A (30)
XPA-2-144, 156, 168, 180, 192	112.0A (150)	108.0A (150)	54.0A (70)	44.0A (60)
XPA-3-216, 228, 240, 252, 264, 276, 288	168.0A (225)	162.0A (225)	81.0A (110)	66.0A (90)
XPA-4-300, 312, 324, 336, 348, 360	224.0A (300)	216.0A (300)	108.0A (150)	88.0A (125)



Performance Highlight

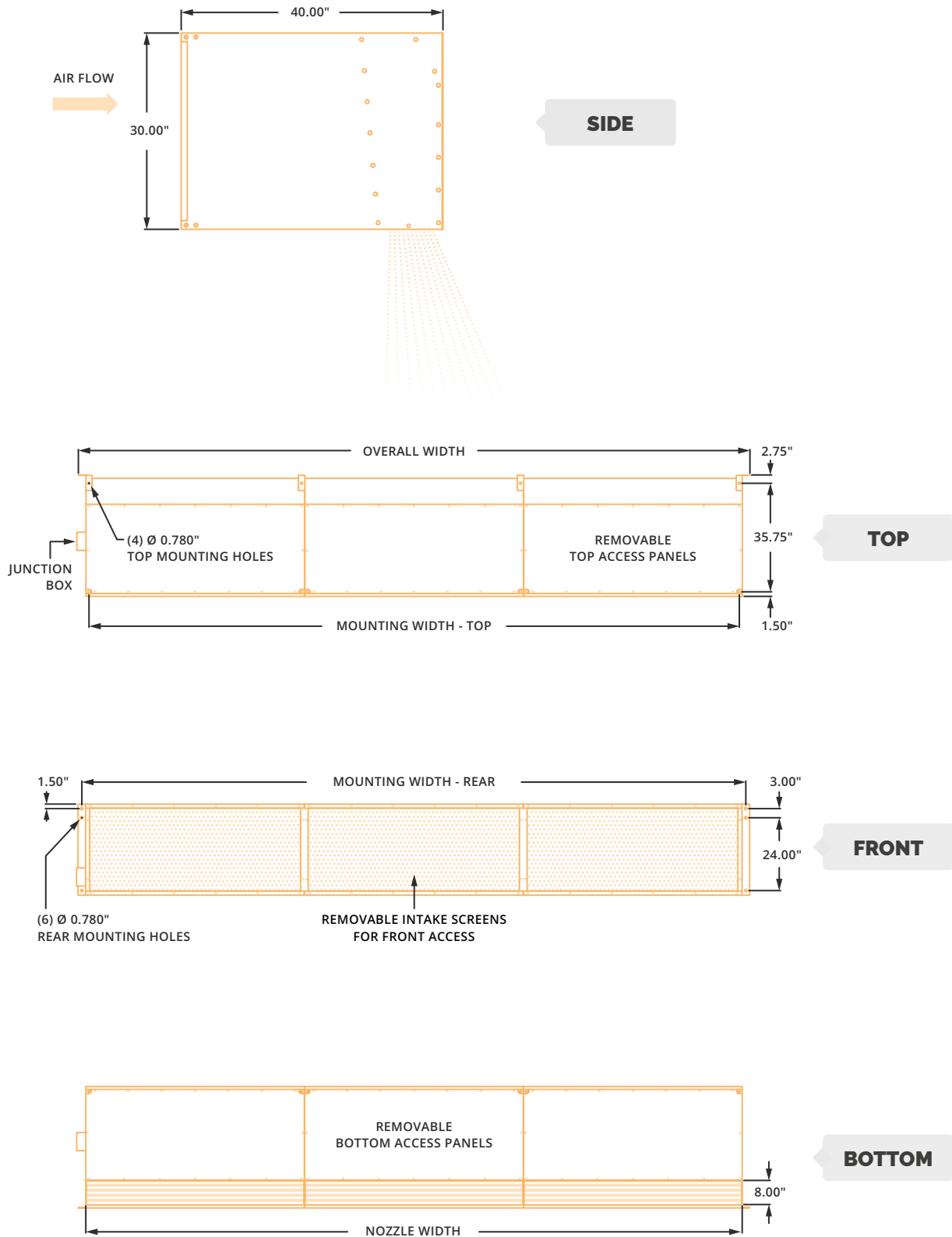
Totally enclosed, air over (TEAO) motors are constructed with a dust-tight cover and an aerodynamic body. They are efficient at running and are cooled by the air flow of the blower which it is driving.

► XPA | MECHANICAL DETAILS

XPA | Mechanical Information Table

MODEL	Overall Width (in.)	Nozzle Width (in.)	Mounting Width Rear (in.)	Mounting Width Top (in.)
XPA-1-72	75	72	73.5	71
XPA-1-84	87	84	85.5	83
XPA-1-96	99	96	97.5	95
XPA-2-144	147.12	144.12	145.62	143.12
XPA-2-156	159.12	156.12	157.62	155.12
XPA-2-168	171.12	168.12	169.62	167.12
XPA-2-180	183.12	180.12	181.62	179.12
XPA-2-192	195.12	192.12	193.62	191.12
XPA-3-216	219.24	216.24	217.74	215.24
XPA-3-228	231.24	228.24	229.74	227.24
XPA-3-240	243.24	240.24	241.74	239.24
XPA-3-252	255.24	252.24	253.74	251.24
XPA-3-264	267.24	264.24	265.74	263.24
XPA-3-276	279.24	276.24	277.74	275.24
XPA-3-288	291.24	288.24	289.74	287.24
XPA-4-300	303.36	300.36	301.86	299.36
XPA-4-312	315.36	312.36	313.86	311.36
XPA-4-324	327.36	324.36	325.86	323.36
XPA-4-336	339.36	336.36	337.86	335.36
XPA-4-348	351.36	348.36	349.86	347.36
XPA-4-360	363.36	360.36	361.86	359.36

► XPA | MECHANICAL DRAWINGS



► XPA | INSTALLATION



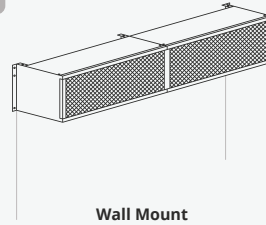
NOTE

The air curtain should be mounted as close to the door header/opening as possible for maximum performance. For every one inch the bottom of the air curtain is mounted above the door header, the back side of the air curtain should be moved away from the wall ¼ inch.

A WALL MOUNT

Rear flanges of air curtain have six holes, for six 1/2 inch bolts or lags with washers. When wall mounting use all six holes.

A



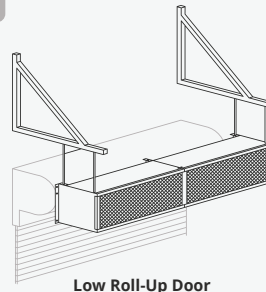
Wall Mount

B MOUNTING BRACKETS

Mounting brackets (also called knee, angle or L-brackets) can be flush to the wall or constructed to account for a projection from the wall. For proper size brackets measure standoff distance from wall to back of where air curtain will be.

If required, angle iron or steel tubing can be attached to the top of the air curtain, typically one foot longer at each end, to reach brackets that are mounted outside of the door system.

B



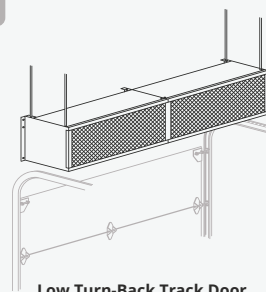
Low Roll-Up Door

C TOP MOUNT

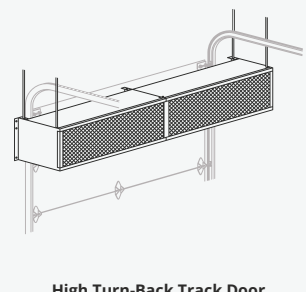
Unit has four 17/32 holes for installing one end of 1/2 inch threaded rods. The other ends of the threaded rods can be attached to the ceiling. Washers or locknuts are recommended. Mounting structure should be of sufficient strength to hold air curtain, and hardware (supplied by others) should be of sufficient strength and quality to support the unit safely. Additional mounting holes are provided on larger units for buildings where structural support is not adequate for supporting the air curtain from ends only.

*Powered Aire does not supply threaded rods.

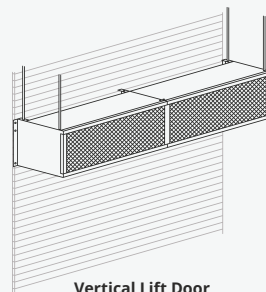
C



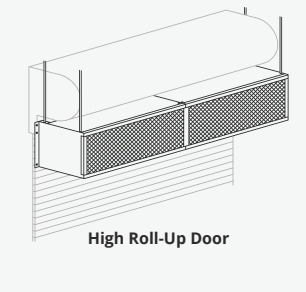
Low Turn-Back Track Door



High Turn-Back Track Door



Vertical Lift Door



High Roll-Up Door