

# 2' x 2' Diffusers Quick Selection Chart

September 8, 2020

cfm	0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700	Adjustable	Aluminum		
l/s	0	12	24	35	47	59	71	83	94	106	118	130	142	153	165	177	189	201	212	224	236	248	260	271	283	295	307	319	330	Airflow	Available		
AXO-S300		< 15 0.01 2 (6)	< 15 0.03 4 (10)	21 0.06 6 (17)	28 0.1 9 (26)	31 0.15 11 (33)	38 0.25 13 (41)																								✓	✓	
AXO-S400		< 15 0.01 3 (5)	< 15 0.01 4 (7)	< 15 0.03 6 (13)	< 15 0.04 7 (15)	19 0.05 8 (18)	22 0.07 10 (24)	26 0.10 11 (27)	29 0.12 13 (33)	31 0.15 14 (37)	33 0.17 15 (39)	36 0.21 17 (43)	38 0.24 18 (47)																		✓	✓	
AXO-S				< 15 0.01 4 (7)	< 15 0.01 5 (8)	< 15 0.02 6 (9)	< 15 0.02 7 (10)	15 0.03 8 (11)	18 0.04 8 (11)	20 0.05 9 (13)	22 0.06 10 (16)	24 0.07 11 (18)	26 0.08 12 (20)	27 0.09 13 (22)	29 0.1 14 (24)	30 0.11 15 (26)	32 0.13 16 (28)	33 0.14 17 (30)	34 0.16 18 (32)	35 0.17 19 (34)	36 0.19 20 (37)	37 0.21 21 (39)	38 0.23 22 (41)	39 0.25 23 (43)							✓	✓	
AXO-SX					< 15 0.01 3 (3)	< 15 0.01 4 (4)	< 15 0.02 5 (6)	< 15 0.02 6 (8)	< 15 0.02 6 (8)	< 15 0.03 7 (10)	16 0.04 8 (12)	19 0.04 8 (12)	21 0.05 9 (14)	23 0.06 10 (16)	25 0.07 10 (16)	27 0.07 11 (18)	29 0.08 12 (21)	30 0.09 12 (22)	32 0.10 13 (23)	33 0.11 14 (25)	34 0.13 15 (28)	36 0.14 15 (28)	37 0.15 16 (31)	38 0.16 17 (34)	39 0.18 17 (34)						✓	✓	
AXO-SY				< 15 0.01 4 (5)	< 15 0.01 5 (7)	< 15 0.02 6 (9)	< 15 0.02 7 (11)	< 15 0.03 8 (13)	17 0.04 9 (15)	18 0.05 10 (17)	21 0.06 10 (17)	24 0.07 11 (18)	25 0.08 11 (19)	26 0.09 12 (21)	29 0.11 13 (23)	31 0.13 15 (25)	32 0.14 15 (26)	33 0.15 16 (28)	34 0.16 16 (29)	35 0.18 17 (33)	37 0.20 18 (35)	38 0.23 20 (39)								✓	✓		
AXO-TWIN		< 15 0.01 2 (4)	< 15 0.01 3 (6)	< 15 0.01 4 (8)	< 15 0.03 5 (10)	< 15 0.04 6 (13)	< 15 0.05 7 (15)	< 20 0.07 8 (17)	< 20 0.09 9 (19)	< 25 0.11 9 (20)	< 25 0.13 10 (22)	< 30 0.16 11 (24)	< 35 0.19 12 (26)	< 35 0.21 12 (26)	> 40 0.24 13 (28)																✓	✓	
NEX-S				< 15 0.01 4 (5)	< 15 0.01 4 (5)	< 15 0.02 6 (9)	< 15 0.02 7 (11)	15 0.03 8 (13)	18 0.04 8 (13)	20 0.05 9 (15)	22 0.06 10 (16)	24 0.07 11 (18)	26 0.08 12 (20)	27 0.09 13 (22)	29 0.10 14 (24)	30 0.11 15 (26)	32 0.13 16 (29)	33 0.14 17 (31)	34 0.16 18 (34)	35 0.17 19 (36)	36 0.19 20 (38)	37 0.21 21 (40)	38 0.23 22 (42)	39 0.25 23 (44)							✓		
OTO-S			< 15 - 3 (5)	< 15 0.01 4 (7)	< 15 0.02 5 (9)	< 15 0.03 6 (12)	17 0.04 7 (13)	22 0.06 8 (14)	23 0.07 9 (16)	26 0.08 10 (18)	30 0.10 11 (20)	32 0.12 12 (22)	34 0.14 13 (24)	36 0.16 14 (26)	38 0.19 15 (28)																		
PLAY-S				< 15 0.01 4 (7)	< 15 0.02 5 (10)	< 15 0.02 6 (12)	< 15 0.03 6 (12)	16 0.04 7 (13)	20 0.05 8 (14)	22 0.06 9 (16)	25 0.07 10 (18)	27 0.08 11 (20)	29 0.09 11 (20)	31 0.11 12 (22)	33 0.12 13 (24)	35 0.14 14 (26)	37 0.16 14 (26)	38 0.17 15 (28)													✓		
RXO-S								12 0.02 5 (7)	14 0.02 5 (7)	16 0.02 6 (9)	18 0.02 6 (9)	21 0.03 7 (11)	23 0.03 8 (12)	25 0.04 9 (13)	26 0.04 9 (14)	28 0.05 10 (15)	30 0.06 11 (16)	31 0.07 11 (17)	33 0.07 12 (19)	35 0.08 13 (20)	36 0.08 13 (21)	38 0.09 14 (22)									✓		

Minimum Airflow	Optimal Airflow	Maximum Airflow
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< 20 < 20 = NC values based on 10 dB room attenuation  
 0.07 0.07 = Pressure loss in. w.g.  
 8 (17) 8 = Throw distance in ft for 40 fpm terminal velocity, isothermal, with Coanda effect  
 (17) = Induction ratio: use to calculate Total Induced Air = Supply cfm \* Induction Ratio

