

# SPECIFICATIONS & SUBMITTAL DATA

**FEATURES:**

- Heavy gauge galvanized steel cabinet
- Electrostatically applied polyester powder coating finish
- One piece drawn bottom pan
- Chem treated adjustable water troughs in pad frames
- Junction box with optional locations standard
- Bleed-off kit standard
- Made in the U.S.A.



**MODELS**

**N30S  
N40/45S  
N55/65S**

Project	
Location	
Architect	
Engineer	
Contractor	
Submitted By	Date

**MODELS**

**N31D  
N43/48D  
N56/66D**



Ref. No.	Cooler Model No.	Qty.	CFM	Static Pressure	Motor	HP	Speed	Volts	Phase	Optional Accesories
1										
2										
3										
4										
5										
6										
7										
8										
9										

**Notes**

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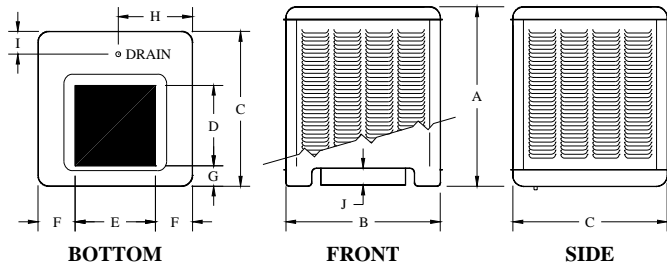
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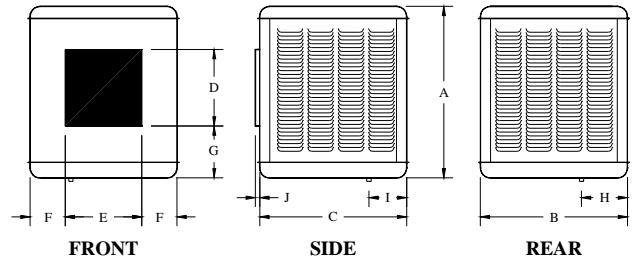
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**Essick Air Products**  
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## DOWN DISCHARGE UNITS



## SIDE DISCHARGE UNITS



### GENERAL SPECIFICATIONS\*

MODEL NO.	WEIGHT LBS.		CABINET DIMENSIONS			DUCT OPENING		DUCT LOCATION		DRAIN		DUCT EXT. J	FILTER PAD DIMENSIONS*			MOTOR PULLEY PART NO.	DRIVE BELT
	†SHIP.	††OPER.	A	B	C	D	E	F	G	H	I		NO. REQ'D	HEIGHT	WIDTH		
<b>DOWN DISCHARGE</b>																	
N31D	118	175	33 7/16	28 1/8	28 1/8	13 5/8	13 5/8	7 1/4	4 5/8	17 11/16	5 3/16	3 3/4	4	27	22	110277	4L-450
N43/48D	161	233	34 1/2	34 1/8	34 1/8	17 3/4	17 3/4	8 3/16	4 1/4	16 13/32	5	3 23/32	4	28	27	110278	4L-560
N56/66D	220	309	42 7/16	39	39	19 3/4	19 3/4	9 5/8	4 1/4	25 13/32	5 1/2	4	4	36	33	110278	4L-690
<b>SIDE DISCHARGE</b>																	
N30S	109	193	33 7/16	28 1/8	28 1/8	13 5/8	13 5/8	7 1/4	12 3/32	12 25/32	8 3/4	1	3	27	22	110277	4L-450
N40/45S	150	269	34 1/2	34 1/8	34 1/8	17 3/4	17 3/4	8 3/16	12 1/16	10 21/32	8 3/4	1	3	28	27	110278	4L-560
N55/65S	202	357	42 7/16	39	39	19 3/4	19 3/4	9 5/8	16 21/32	15 21/32	8 3/4	1	3	36	33	110278	4L-670

\* All Dimensions in inches.

† Shipping weight is without motor.

†† Operating weight shown is total weight of unit, motor and water.

MOTOR SPECIFICATIONS						CFM** INCHES STATIC PRESSURE											PUMP SPECIFICATIONS			
MODEL NO.	H.P.	MOTOR PART NO.	SPEED	VOLTS	AMPS*	0		0.1		0.2		0.3		0.4		0.5		PUMP PART NO.	VOLTS	AMPS
						CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM			
<b>DOWN DISCHARGE</b>																				
N31D	1/3	110444	1	115	7.2	2175	562	2060	580	1970	603	1810	630	1650	660	1520	690	110436	120	0.7
		110445	2																	
N43/48D	1/3	110444	1	115	7.2	3077	376	2880	400	2565	420	2240	440	NR	-	NR	-	110436	120	0.7
		110445	2																	
N56/66D	1/2	110446	1	115	9.8	3654	443	3430	460	3230	475	3064	494	2498	514	2010	539	110436	120	0.7
		110447	2																	
N56/66D	3/4	110448	1	115	13.8	4983	370	4780	382	4530	396	4280	411	4020	427	3780	446	110436	120	0.7
		110449	2																	
<b>SIDE DISCHARGE</b>																				
N30S	1/3	110444	1	115	7.2	2077	574	1950	595	1760	615	1700	645	1550	665	NR	-	110436	120	0.7
N40/45S	1/3	110444	1	115	7.2	2973	402	2726	420	2550	435	2230	461	NR	-	NR	-	110436	120	0.7
		110445	2																	
N40/45S	1/2	110446	1	115	9.8	3432	454	3230	470	3000	485	2775	500	2140	534	1475	535	110436	120	0.7
		110447	2																	
N55/65S	1/2	110446	1	115	9.8	4190	328	3910	345	3650	359	3330	376	2900	392	NR	-	110436	120	0.7
		110447	2																	
N55/65S	3/4	110448	1	115	13.8	4734	370	4600	392	4320	404	4060	418	3810	436	3630	455	110436	120	0.7
		110449	2																	

\* Amp rating is Full-Load Amperage per National Electric Code (for Blower Motor Only).

\*\* CFM - Cubic Feet per Minute