

# PERFORMANCE DATA

Models: TL-C VAV cooling only. TL-RAD Return air, ducted  
 TL-CW VAV cooling with constant warm up. TL-RAP Return air, plenum  
 TL-D Manually adjustable blades.  
 TL-RAD Return air, ducted.

## Performance Chart – I-P (Inch Pound) 2-Slot 2-Way Linear

Nominal Length in	Inlet Static Pressure in wg	Maximum Flow CFM	Maximum Flow		25% Maximum Flow	
			Throw - Feet* @v <sub>i</sub> =50/100/150FPM	<sup>1</sup> NC	Throw - Feet* @v <sub>i</sub> =50/100/150FPM	<sup>1</sup> NC
24	0.05	70	4/3/2	< 15	3/<1/<1	< 15
	0.10	90	5/4/3	< 15	4/3/<1	< 15
	0.15	120	9/7/4	21	6/4/3	20
	0.18	135	10/8/5	23	7/5/3	22
	• 0.20	140	10/8/5	25	7/5/3	24
	0.25	165	13/10/7	30	8/6/4	29
36	0.05	80	4/3/2	<15	3/<1/<1	< 15
	0.10	115	7/5/3	16	4/3/<1	<15
	• 0.14	143	9/7/5	22	6/4/2	21
	0.15	150	9/7/5	23	6/4/2	22
	0.20	170	11/9/7	28	7/5/3	27
	0.25	185	13/10/8	32	8/6/4	31
48	0.05	150	7/5/3	<15	4/3/<1	< 15
	0.10	200	11/9/7	16	6/4/2	19
	0.15	240	13/11/9	22	8/6/4	25
	• 0.17	256	15/12/9	23	9/6/4	27
	0.20	280	17/14/10	28	10/7/5	29
	0.25	310	19/15/11	32	12/9/6	32
60	0.05	170	6/4/3	<15	4/3/<1	< 15
	0.10	240	8/6/4	20	5/3/2	19
	• 0.12	260	9/7/4	22	6/3/2	21
	0.15	290	10/8/5	26	7/4/3	25
	0.20	330	14/11/7	31	9/6/4	30
	0.25	370	19/14/9	34	11/8/5	33

**Performance Notes:**

- \* Denotes 750 fpm/3.81 m/s inlet velocity.
- \* Throw data is for air 20°F 11°C lower than room temperature. Throws for isothermal air are 40 to 50% greater.
- <sup>1</sup>NC based on Lw(10<sup>-12</sup> watts reference) -10db
- Ratings independently verified by Inchcape Testing Services, ETL Testing Laboratories.
- Tested in accordance with ANSI/ASHRAE 70-1991, ANSI S12.31, ARI 890-2001, ISO 5219 and ISO 3741.

The volume of induction air (into the ceiling) required in addition to rated air volume is:		
Inlet SP in. wg	1- and 2- Slots CFM	4-Slots CFM
0.05	7	11
0.10	9	14
0.15	11	17
0.20	12.5	20

# PERFORMANCE DATA

**Models:** TL-C VAV cooling only. TL-RAD Return air, ducted  
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 TL-D Manually adjustable blades.  
 TL-RAD Return air, ducted.

## Performance Chart – I-P (Inch Pound) 2-Slot 1-Way Linear

Nominal Length in	Inlet Static Pressure in wg	Maximum Flow CFM	Maximum Flow		25% Maximum Flow	
			Throw - Feet* @v <sub>i</sub> =50/100/150FPM	<sup>1</sup> NC	Throw - Feet* @v <sub>i</sub> =50/100/150FPM	<sup>1</sup> NC
24	0.05	65	6/4/3	<15	4/3/<1	<15
	0.07	75	7/5/4	17	5/3/<1	17
	0.10	90	9/7/5	20	6/4/2	19
	0.15	110	14/11/7	25	9/6/4	24
	0.20	130	17/13/8	29	10/7/5	28
	• 0.25	145	19/14/9	32	12/9/6	31
36	0.05	85	5/3/2	16	3/<1/<1	<15
	0.10	120	9/7/5	23	5/4/2	22
	0.12	130	11/8/6	24	6/5/3	23
	• 0.15	145	13/10/7	26	8/6/4	25
	0.20	165	16/12/8	30	10/7/5	29
	0.25	180	18/14/9	33	12/9/6	32
48	0.05	150	8/6/4	17	5/4/2	<15
	0.10	200	15/13/8	24	9/6/4	20
	0.15	240	22/17/11	30	13/9/6	26
	• 0.17	256	23/17/11	31	13/10/6	27
	0.20	280	24/18/12	32	14/11/7	28
	0.25	310	25/19/13	35	15/12/7	31
60	0.05	170	6/4/3	17	4/3/<1	16
	0.10	230	14/11/7	24	8/6/4	23
	• 0.13	263	17/13/8	28	11/7/5	27
	0.15	280	19/14/9	30	12/8/5	29
	0.20	320	20/15/10	32	12/9/6	31
	0.25	360	22/17/11	35	13/10/6	34

**Performance Notes:**

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- <sup>1</sup>NC based on Lw(10<sup>-12</sup> watts reference) -10db
- Ratings independently verified by Inchcape Testing Services, ETL Testing Laboratories.
- Tested in accordance with ANSI/ASHRAE 70-1991, ANSI S12.31, ARI 890-2001, ISO 5219 and ISO 3741.

The volume of induction air (into the ceiling) required in addition to rated air volume is:		
Inlet SP in. wg	1- and 2- Slots CFM	4-Slots CFM
0.05	7	11
0.10	9	14
0.15	11	17
0.20	12.5	20

# PERFORMANCE DATA

**Models:** TL-C VAV cooling only. TL-RAD Return air, ducted  
 TL-CW VAV cooling with constant warm up. TL-RAP Return air, plenum  
 TL-D Manually adjustable blades.  
 TL-RAD Return air, ducted.

## Performance Chart – I-P (Inch Pound) 1-Slot 1-Way Linear

Nominal Length in	Inlet Static Pressure in wg	Maximum Flow CFM	Maximum Flow		25% Maximum Flow	
			Throw - Feet* @v <sub>i</sub> =50/100/150FPM	<sup>1</sup> NC	Throw - Feet* @v <sub>i</sub> =50/100/150FPM	<sup>1</sup> NC
24	0.05	45	6/4/3	<15	4/3/<1	<15
	0.10	60	9/7/4	19	6/4/2	<15
	0.15	70	13/10/7	23	8/6/4	16
	• 0.18	76	15/11/8	25	9/7/5	19
	0.20	80	17/12/8	27	10/8/5	21
	0.25	90	19/14/9	30	12/9/6	24
36	0.05	70	6/4/3	<15	4/3/<1	<15
	• 0.07	78	8/6/4	17	5/3/<1	<15
	0.10	90	10/8/6	20	6/4/2	<15
	0.15	110	13/10/7	24	8/6/4	17
	0.20	125	18/14/9	28	10/7/5	21
	0.25	140	20/15/10	31	12/9/6	24
48	0.05	90	6/4/3	16	4/3/<1	<15
	0.10	125	14/10/6	23	8/6/4	17
	• 0.12	135	16/12/7	25	10/7/4	18
	0.15	150	20/14/8	28	12/8/5	20
	0.20	175	21/15/9	31	13/10/6	24
	0.25	190	22/17/11	34	14/12/7	28
60	0.05	100	6/5/4	17	4/3/<1	<15
	• 0.09	140	9/7/6	23	6/4/2	18
	0.10	150	10/8/6	24	6/4/2	19
	0.15	180	15/13/8	30	9/6/4	23
	0.20	210	17/13/9	32	10/7/5	26
	0.25	230	20/15/10	35	12/9/6	29

**Performance Notes:**

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- <sup>1</sup>NC based on Lw(10<sup>-12</sup> watts reference) -10db
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- Tested in accordance with ANSI/ASHRAE 70-1991, ANSI S12.31, ARI 890-2001, ISO 5219 and ISO 3741.

The volume of induction air (into the ceiling) required in addition to rated air volume is:		
Inlet SP in. wg	1- and 2- Slots CFM	4-Slots CFM
0.05	7	11
0.10	9	14
0.15	11	17
0.20	12.5	20

# PERFORMANCE DATA

Models: TL-C VAV cooling only. TL-RAD Return air, ducted  
 TL-CW VAV cooling with constant warm up. TL-RAP Return air, plenum  
 TL-D Manually adjustable blades.  
 TL-RAD Return air, ducted.

## Performance Chart – I-P (Inch Pound) 4-Slot 2-Way Linear

Nominal Length in	Inlet Static Pressure in wg	Maximum Flow CFM	Maximum Flow		25% Maximum Flow	
			Throw - Feet* @v <sub>i</sub> =50/100/150FPM	<sup>1</sup> NC	Throw - Feet* @v <sub>i</sub> =50/100/150FPM	<sup>1</sup> NC
24	0.05	150	4/3/2	<15	3/2<1	<15
	0.10	210	7/5/3	23	4/3<1	22
	0.13	240	8/6/4	25	5/4/2	24
	• 0.15	260	9/7/5	26	5/4/2	25
	0.20	300	11/9/7	30	7/5/3	29
	0.25	335	13/11/8	33	8/6/4	32
36	0.05	185	5/4/3	<15	3/2<1	<15
	• 0.10	260	8/6/4	23	5/4/2	22
	0.13	296	9/7/5	25	6/5/3	24
	0.15	320	10/8/6	27	6/5/3	26
	0.20	370	12/10/8	31	8/6/4	30
	0.25	410	14/12/9	34	9/7/4	33
48	0.05	275	8/7/5	<15	5/4/3	<15
	0.10	390	11/9/7	25	9/7/4	24
	• 0.11	408	12/10/7	26	10/8/5	25
	0.15	480	14/12/9	32	12/10/7	31
	0.20	550	17/14/10	37	14/12/8	36
	0.25	620	20/17/12	39	16/14/10	38
60	0.05	430	9/8/6	20	5/4/3	<15
	• 0.09	570	11/10/8	28	8/6/4	19
	0.10	605	12/10/8	30	9/7/4	20
	0.15	745	16/14/10	35	14/11/7	29
	0.20	860	19/16/12	39	15/13/8	34
	0.25	960	21/18/13	42	18/15/10	36

**Performance Notes:**

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- Tested in accordance with ANSI/ASHRAE 70-1991, ANSI S12.31, ARI 890-2001, ISO 5219 and ISO 3741.

The volume of induction air (into the ceiling) required in addition to rated air volume is:		
Inlet SP in. wg	1- and 2- Slots CFM	4-Slots CFM
0.05	7	11
0.10	9	14
0.15	11	17
0.20	12.5	20

# PERFORMANCE DATA

Models: TL-C VAV cooling only. TL-RAD Return air, ducted  
 TL-CW VAV cooling with constant warm up. TL-RAP Return air, plenum  
 TL-D Manually adjustable blades.  
 TL-RAD Return air, ducted.

## Performance Chart – I-P (Inch Pound) 4-Slot 1-Way Linear

Nominal Length in	Inlet Static Pressure in wg	Maximum Flow CFM	Maximum Flow		25% Maximum Flow	
			Throw - Feet* @v <sub>i</sub> =50/100/150FPM	'NC	Throw - Feet* @v <sub>i</sub> =50/100/150FPM	'NC
24	0.05	150	6/5/3	<15	4/3/<1	<15
	0.10	210	13/10/7	26	8/6/4	24
	0.13	240	17/13/8	27	10/7/5	25
	• 0.15	260	19/15/9	28	11/8/5	26
	0.20	300	20/16/10	33	12/9/6	31
	0.25	335	21/18/12	36	13/10/7	34
36	0.05	180	6/5/4	<15	4/3/<1	<15
	0.10	250	14/12/8	26	8/6/4	24
	• 0.11	262	15/12/8	27	9/6/4	25
	0.15	310	19/14/10	30	11/8/5	28
	0.20	360	21/18/12	34	13/10/7	32
	0.25	400	22/19/13	37	14/12/7	35
48	0.05	315	16/13/9	<15	9/7/4	<15
	• 0.08	393	18/15/11	23	10/8/5	22
	0.10	445	20/17/12	28	10/8/5	26
	0.15	545	26/23/16	34	13/10/7	32
	0.20	630	35/29/21	38	19/15/9	36
	0.25	700	37/32/24	42	21/18/12	39
60	0.05	400	17/14/11	16	9/7/4	<15
	0.10	570	25/22/15	28	12/10/7	20
	• 0.11	596	26/23/16	29	13/11/7	22
	0.15	700	32/26/18	34	15/13/9	31
	0.20	805	36/30/22	38	21/16/12	36
	0.25	903	40/33/25	41	25/19/14	38

**Performance Notes:**

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The volume of induction air (into the ceiling) required in addition to rated air volume is:		
Inlet SP in. wg	1- and 2- Slots CFM	4-Slots CFM
0.05	7	11
0.10	9	14
0.15	11	17
0.20	12.5	20