

# SPECIFICATION SHEET



Heating and Air Conditioning

## PREDATOR<sup>®</sup>

### SINGLE PACKAGED AIR CONDITIONERS AND SINGLE PACKAGED GAS/ELECTRIC UNITS

DM090, DF090 and DH090  
7-1/2 NOMINAL TONS  
9.0-11.5 EER



### DESCRIPTION

YORK<sup>®</sup> Predator<sup>®</sup> units are convertible single packages with a common footprint cabinet and common roof curb for all 6-1/2 through 12-1/2 ton models. All units have two compressors with independent refrigeration circuits to provide 2 stages of cooling. The units were designed for light commercial applications and can be easily installed on a roof curb, slab, or frame.

All Predator<sup>®</sup> units are self-contained and assembled on rigid full perimeter base rails allowing for 3-way forklift access and overhead rigging. Every unit is completely charged, wired, piped, and tested at the factory to provide a quick and easy field installation.

All units are convertible between side and down airflow. Independent economizer designs are used on side and down discharge applications, as well as all tonnage sizes.

Predator<sup>®</sup> units are available in the following configurations: cooling only, cooling with electric heat, and cooling with gas heat. Electric heaters are available as factory-installed options or field-installed accessories.

*Tested in accordance with:*



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## UNIT CAPACITY RATINGS

Unit	Model	Cooling Capacity ARI Ratings <sup>1</sup>			CFM	Sound Rating (dB) <sup>2</sup>	Nominal Electric Heat Capacity (kW)	Gas Heat Capacity				Gas Line Size (in)
		MBH	EER	IPLV				Input (MBH)	Output (MBH)	Seasonal Efficiency (%)	Temp Rise	
DM090	Cooling Only						--	--	--	--	--	--
	Electric Heat	86	9.0	9.2	2886	84	18, 36	--	--	--	--	--
	Low Heat						--	120	96	80	20-50	3/4
	High Heat						--	180	144	80	35-65	3/4
DF090	Cooling Only						--	--	--	--	--	--
	Electric Heat	87	10.5	N/A	2516	84	18, 36	--	--	--	--	--
	Low Heat						--	120	96	80	20-50	3/4
	High Heat						--	180	144	80	35-65	3/4
DH090	Cooling Only						--	--	--	--	--	--
	Electric Heat	88	11.5	12.0	2633	84	18, 36	--	--	--	--	--
	Low Heat						--	120	96	80	20-50	3/4
	High Heat						--	180	144	80	35-65	3/4

<sup>1</sup> Rated at 95°F ambient 80°F dry bulb and 67°F wet bulb.

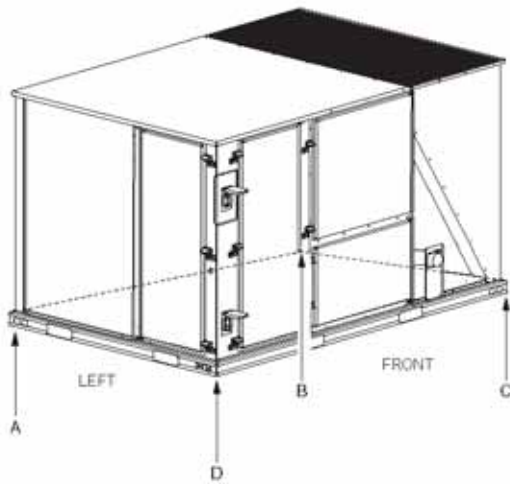
<sup>2</sup> Rated in accordance with ARI 270 Standard.

**PHYSICAL DATA**

<b>Component</b>		<b>MODEL</b>		
		<b>DM090</b>	<b>DF090</b>	<b>DH090</b>
<b>EVAPORATOR BLOWER</b>	Blower, Centrifugal (Dia X Wd. In)	12 X 12	12 X 12	12 X 12
	Motor, Standard (HP)	2	2	2
	Motor, Optional (HP)	3	3	3
<b>EVAPORATOR COIL</b>	Rows Deep X Rows High	2	3	3
	Fins per Inch	15	15	15
	Height (in.)	32	32	32
	Face Area (ft <sup>2</sup> )	10.67	10.67	10.67
<b>CONDENSER FAN (2 per unit)</b>	Propeller Dia. (in.)	24	24	24
	Motor (HP each)	3/4	1/3	1/3
	CFM, Nominal (each)	2200	1700	1700
<b>CONDENSER COIL (2 per unit)</b>	Rows Deep X Rows High	1	1	2
	Fins per Inch	20	20	20
	Height (in.)	28	36	36
	Face Area (ft <sup>2</sup> )	9.33	12	12
<b>REFRIGERANT CHARGE</b>	System 1 (lb/oz)	4lb / 10oz	5lb / 4oz	7lb / 4oz
	System 2 (lb/oz)	3lb / 14oz	5lb / 0oz	6lb / 12oz
<b>COMPRESSORS</b>	Quantity	2	2	2
	Type	Recip.	Recip.	Recip.
<b>AIR FILTERS</b>	Size (Wd. X Ht. x Thickness in.)	25 X 16 X 2	25 X 16 X 2	25 X 16 X 2
	Number Per Unit	2	2	2

### UNIT WEIGHTS

Unit Model	Unit Weight (Lbs.)		4-Point Loads			
	Shipping	Operation	A	B	C	D
<b>DM090</b>	930	925	325	242	155	208
<b>DF090</b>	940	935	329	245	156	210
<b>DH090</b>	930	925	325	242	155	208



# DM090 COOLING CAPACITY

Air On Evaporator Coil		Temperature of Air on Condenser Coil																	
		85°F									95°F								
		CFM	WB (°F)	Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)						Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)					
						Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				86	83	80	77	74	71	68			86	83	80	77	74	71	68
2250	72	87	7.8	56	49	43	37	30	-	-	93	8.4	54	48	41	35	29	-	-
	67	91	7.6	71	64	58	52	45	39	32	85	8.2	68	62	56	49	43	36	30
	62	83	7.5	83	77	71	65	58	52	45	78	8.1	78	75	68	62	56	49	43
	57	84	7.5	84	82	75	69	63	56	50	80	8.1	80	78	72	65	59	52	46
2625	72	100	7.8	62	54	47	39	31	-	-	95	8.5	60	52	45	37	30	-	-
	67	94	7.7	78	71	63	55	48	40	33	87	8.2	75	68	60	53	45	37	30
	62	86	7.5	86	83	77	69	62	54	47	80	8.1	80	78	74	68	59	51	44
	57	86	7.5	86	86	82	74	67	59	52	82	8.1	82	81	77	70	62	55	47
3000	72	103	7.9	68	59	50	42	33	-	-	98	8.5	66	57	48	39	31	-	-
	67	97	7.8	85	77	68	59	50	42	33	89	8.3	82	73	65	56	47	38	30
	62	89	7.6	89	89	83	74	66	57	48	82	8.1	82	82	80	71	62	53	45
	57	89	7.6	89	89	88	80	71	62	53	84	8.2	84	84	83	75	66	57	48
3375	72	104	7.9	72	62	52	42	32	-	-	99	8.5	71	61	51	41	31	-	-
	67	98	7.8	91	81	71	61	51	41	31	91	8.3	87	78	68	58	48	38	28
	62	90	7.6	90	90	87	77	67	57	47	84	8.2	84	84	83	73	63	53	43
	57	90	7.6	90	90	90	80	70	60	50	85	8.2	85	85	85	75	65	55	45
3750	72	106	7.9	77	66	55	43	32	-	-	101	8.6	76	64	53	42	31	-	-
	67	99	7.8	96	85	74	62	51	40	29	93	8.4	93	83	72	60	49	38	27
	62	91	7.6	91	91	90	79	68	58	45	85	8.2	85	85	85	74	63	52	41
	57	91	7.6	91	91	91	80	69	58	47	87	8.3	87	87	87	76	65	53	42

Air On Evaporator Coil		Temperature of Air on Condenser Coil																	
		105°F									115°F								
		CFM	WB (°F)	Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)						Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)					
						Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				86	83	80	77	74	71	68			86	83	80	77	74	71	68
2250	72	86	9.0	52	45	39	32	26	-	-	80	9.6	49	43	36	30	23	-	-
	67	78	8.7	65	59	53	46	40	33	27	71	9.3	62	56	50	43	37	30	24
	62	73	8.6	73	71	64	58	51	45	38	67	9.1	67	66	60	53	47	41	34
	57	74	8.6	74	72	65	59	53	46	40	68	9.1	68	66	59	53	46	40	34
2625	72	88	9.0	57	50	42	34	27	-	-	81	9.6	54	47	39	32	24	-	-
	67	80	8.8	72	65	57	49	42	34	27	72	9.4	68	61	54	46	39	31	23
	62	75	8.7	75	73	69	62	54	47	39	69	9.2	69	68	65	57	50	42	35
	57	75	8.7	75	74	71	63	56	48	40	69	9.2	69	68	64	57	49	41	34
3000	72	90	9.1	63	54	45	36	28	-	-	83	9.7	60	51	42	34	25	-	-
	67	82	8.9	78	70	61	53	44	35	26	74	9.5	74	67	58	49	40	32	23
	62	76	8.7	76	76	75	66	57	48	40	70	9.3	70	70	70	61	52	44	35
	57	77	8.7	77	77	76	67	59	50	41	70	9.3	70	70	69	60	52	43	34
3375	72	92	9.2	68	58	48	38	28	-	-	84	9.8	65	55	45	35	25	-	-
	67	83	8.9	81	75	65	55	45	35	25	75	9.5	75	71	61	52	42	32	22
	62	78	8.8	78	78	77	67	57	47	37	71	9.3	71	71	71	61	51	41	31
	57	78	8.8	78	78	78	68	58	48	38	72	9.3	72	72	71	61	51	41	31
3750	72	93	9.2	73	62	50	39	28	-	-	86	9.8	70	59	48	38	26	-	-
	67	84	8.9	84	79	68	57	46	35	24	76	9.5	76	76	65	54	43	32	20
	62	79	8.8	79	79	78	68	57	45	34	72	9.4	72	72	72	61	50	39	28
	57	80	8.8	80	80	80	69	58	46	35	73	9.4	73	73	73	62	50	39	28

Air On Evaporator Coil		Temperature of Air on Condenser Coil									
		125°F									
		CFM	WB (°F)	Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)					
						Return Dry Bulb (°F)					
				88	83	80	77	74	71	68	
2250	72	73	10.1	46	40	34	27	21	-	-	
	67	83	9.8	59	53	47	40	34	27	21	
	62	62	9.7	62	62	58	49	43	38	30	
	57	61	9.6	61	59	53	47	40	34	27	
2625	72	74	10.2	52	44	36	29	21	-	-	
	67	65	9.9	64	58	51	43	35	28	20	
	62	63	9.8	63	63	60	53	45	37	30	
	57	63	9.7	63	62	57	50	42	35	27	
3000	72	76	10.3	57	48	39	31	22	-	-	
	67	66	10.0	66	63	55	46	37	28	20	
	62	64	9.9	64	64	64	56	47	39	30	
	57	64	9.9	64	64	62	53	44	36	27	
3375	72	77	10.4	62	52	42	32	22	-	-	
	67	67	10.1	67	67	58	48	38	28	18	
	62	65	9.9	65	65	65	55	46	36	26	
	57	65	9.9	65	65	64	54	44	34	24	
3750	72	78	10.4	67	56	45	33	22	-	-	
	67	68	10.1	68	68	62	51	40	29	17	
	62	68	10.0	68	68	66	55	44	32	21	
	57	66	9.9	66	66	66	55	43	32	21	

 Nominal Rating  
 All Sensible Capacity

- 1 - These capacities are gross ratings. For net capacity, deduct air blower motor, MBh = 3.415 x kW. Refer to the appropriate Blower Performance Table for the kW of the supply air blower motor.
- 2 - These ratings include the condensate fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

### DF090 COOLING CAPACITY

Air On Evaporator Coil		Temperature of Air on Condenser Coil																	
		85°F									95°F								
		Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)							Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)						
Return Dry Bulb (°F)							Return Dry Bulb (°F)												
CFM	WB (°F)			86	83	80	77	74	71	68			86	83	80	77	74	71	68
2250	72	101	7.1	59	52	46	40	33	-	-	95	7.7	56	50	44	37	31	-	-
	67	93	6.9	73	67	61	54	48	41	35	87	7.5	71	65	59	52	45	39	33
	62	88	6.8	88	81	75	69	62	55	49	79	7.3	79	77	71	64	58	51	45
	57	85	6.8	85	84	77	71	65	59	52	80	7.3	80	78	72	66	59	53	46
2625	72	104	7.2	65	57	50	42	35	-	-	99	7.8	62	55	47	40	32	-	-
	67	96	7.0	81	73	66	58	50	43	35	90	7.6	78	71	63	56	48	41	33
	62	89	6.8	89	86	81	73	65	58	50	82	7.4	82	81	77	69	61	54	46
	57	88	6.8	88	87	84	76	68	61	53	83	7.4	83	82	78	71	63	55	48
3000	72	108	7.2	71	62	53	45	38	-	-	102	7.9	68	60	51	42	34	-	-
	67	99	7.1	88	79	70	62	53	44	35	92	7.7	86	77	68	60	51	42	33
	62	92	6.9	92	92	87	79	69	60	52	85	7.5	85	85	83	74	65	56	48
	57	91	6.8	91	91	90	81	72	64	55	85	7.4	85	85	84	76	67	58	49
3375	72	109	7.3	78	68	58	48	38	-	-	103	7.9	74	64	54	44	34	-	-
	67	101	7.1	94	84	74	64	54	44	34	94	7.7	90	82	72	62	52	42	33
	62	93	6.9	93	93	90	80	70	60	50	86	7.5	86	86	85	75	65	55	45
	57	92	6.9	92	92	91	81	71	62	52	87	7.5	87	87	86	76	66	56	46
3750	72	111	7.3	82	70	59	48	37	-	-	105	7.9	80	68	57	46	35	-	-
	67	102	7.1	101	89	78	67	56	45	33	95	7.7	95	88	76	65	54	43	32
	62	94	7.0	94	94	94	83	72	61	49	87	7.5	87	87	87	76	65	54	42
	57	93	7.0	93	93	93	82	71	59	46	86	7.5	86	86	86	77	66	54	43

Air On Evaporator Coil		Temperature of Air on Condenser Coil																	
		105°F									115°F								
		Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)							Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)						
Return Dry Bulb (°F)							Return Dry Bulb (°F)												
CFM	WB (°F)			86	83	80	77	74	71	68			86	83	80	77	74	71	68
2250	72	88	8.3	54	47	41	34	28	-	-	80	8.9	51	44	39	31	25	-	-
	67	79	8.1	68	61	55	49	42	36	29	72	8.6	65	58	52	45	39	33	26
	62	73	7.9	73	71	64	58	52	45	39	67	8.4	67	65	58	52	46	39	33
	57	74	7.9	74	72	66	60	53	47	40	68	8.5	68	66	60	54	47	41	34
2625	72	91	8.4	60	52	44	37	29	-	-	83	8.9	57	49	41	34	26	-	-
	67	82	8.1	74	68	60	52	45	37	30	74	8.7	70	64	57	49	42	34	27
	62	75	7.9	75	74	70	63	55	48	40	69	8.5	69	68	64	58	49	41	34
	57	77	8.0	77	76	72	64	57	49	42	70	8.6	70	69	66	59	51	43	36
3000	72	93	8.4	68	57	48	39	31	-	-	85	9.0	63	54	45	36	28	-	-
	67	84	8.2	81	74	65	56	48	39	30	76	8.8	76	71	62	53	44	36	27
	62	78	8.0	78	78	76	67	59	50	41	71	8.6	71	71	70	61	52	43	35
	57	79	8.0	79	79	78	69	61	52	43	72	8.7	72	72	72	63	54	45	37
3375	72	95	8.5	71	61	51	41	31	-	-	87	9.1	68	58	48	38	28	-	-
	67	85	8.3	84	78	69	59	49	39	29	77	8.9	77	74	66	56	46	36	28
	62	79	8.0	79	79	78	68	58	48	38	72	8.6	72	72	71	61	51	41	32
	57	80	8.1	80	80	80	70	60	50	40	73	8.7	73	73	73	63	53	43	33
3750	72	98	8.5	77	65	54	43	32	-	-	88	9.1	74	63	51	40	29	-	-
	67	87	8.3	87	83	73	62	51	40	29	78	8.9	78	78	71	59	48	37	26
	62	80	8.1	80	80	80	69	59	47	35	73	8.6	73	73	73	62	51	40	28
	57	81	8.1	81	81	81	70	59	48	37	75	8.7	75	75	75	63	52	41	30

Air On Evaporator Coil		Temperature of Air on Condenser Coil								
		125°F								
		Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)						
Return Dry Bulb (°F)										
CFM	WB (°F)			86	83	80	77	74	71	68
2250	72	73	8.4	48	41	35	28	22	-	-
	67	64	8.2	61	55	49	42	36	28	23
	62	61	8.0	61	59	52	46	39	33	27
	57	62	8.1	62	61	54	48	41	35	28
2625	72	75	9.5	54	46	39	31	23	-	-
	67	66	9.3	66	61	54	46	36	31	23
	62	62	9.0	62	61	58	50	43	35	27
	57	64	9.2	64	63	60	52	45	37	29
3000	72	77	9.6	60	51	42	33	25	-	-
	67	68	9.4	68	67	59	50	41	32	24
	62	64	9.1	64	64	63	54	46	37	28
	57	66	9.3	66	66	65	57	48	39	30
3375	72	78	9.6	65	55	45	35	25	-	-
	67	69	9.4	69	69	63	53	43	33	23
	62	65	9.1	65	65	65	55	45	35	25
	57	67	9.3	67	67	67	57	47	37	27
3750	72	80	9.7	71	60	49	37	26	-	-
	67	70	9.4	70	70	68	56	45	34	23
	62	66	9.2	66	66	66	55	44	32	21
	57	68	9.3	68	68	68	57	46	35	23

 Nominal Rating  
 All Sensible Capacity

1 - These capacities are gross ratings. For net capacity, deduct air blower motor, MBh = 3.415 x kW. Refer to the appropriate Blower Performance Table for the kW of the supply air blower motor.

2 - These ratings include the condensate fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

### DH090 COOLING CAPACITY

Air On Evaporator Coil		Temperature of Air on Condenser Coil																			
		85°F									85°F										
		CFM	WB (°F)	Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)						Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)							
						Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				86	83	80	77	74	71	68					86	83	80	77	74	71	68
2250	72	89	6.2	58	52	45	39	33	-	-	94	8.7	56	50	43	37	31	-	-		
	67	93	6.1	73	67	61	54	48	41	35	87	8.7	71	65	58	52	45	38	33		
	62	89	6.1	89	82	76	70	63	57	50	82	8.5	82	78	71	65	58	52	46		
	57	88	6.0	88	84	78	71	65	59	52	80	8.5	80	76	72	65	59	52	46		
2625	72	101	6.2	64	58	49	41	33	-	-	97	8.8	62	55	47	39	32	-	-		
	67	95	6.1	80	72	65	57	50	42	35	89	8.7	78	71	63	55	48	40	33		
	62	91	6.1	91	88	81	74	66	59	51	84	8.6	84	82	77	69	62	54	47		
	57	91	6.1	91	88	83	76	68	61	53	82	8.6	82	81	77	70	62	55	47		
3000	72	103	6.3	68	61	52	43	34	-	-	99	8.8	68	59	50	42	33	-	-		
	67	97	6.2	87	78	69	61	52	43	34	92	8.7	85	76	68	59	50	41	33		
	62	93	6.1	93	93	87	78	69	61	52	86	8.6	86	86	83	74	65	56	48		
	57	93	6.1	93	93	89	80	72	63	54	84	8.6	84	84	83	74	65	57	48		
3375	72	105	6.3	74	64	54	44	34	-	-	101	8.8	73	63	53	43	33	-	-		
	67	99	6.2	92	82	72	62	53	43	33	93	8.8	90	81	71	61	52	42	32		
	62	94	6.1	94	94	91	81	71	61	51	86	8.7	88	88	86	76	66	56	46		
	57	94	6.1	94	94	92	82	72	62	52	85	8.6	85	85	85	75	65	55	45		
3750	72	106	6.3	79	68	57	46	34	-	-	102	8.9	78	67	56	45	34	-	-		
	67	100	6.2	89	87	78	64	53	42	31	95	8.8	95	86	75	64	53	42	30		
	62	95	6.1	95	95	95	84	73	61	50	89	8.7	89	89	89	78	67	56	45		
	57	95	6.1	95	95	95	84	73	62	50	87	8.7	87	87	87	76	65	53	42		

Air On Evaporator Coil		Temperature of Air on Condenser Coil																			
		105°F									115°F										
		CFM	WB (°F)	Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)						Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)							
						Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				86	83	80	77	74	71	68					86	83	80	77	74	71	68
2250	72	87	7.3	54	47	41	34	28	-	-	81	7.8	51	45	38	32	25	-	-		
	67	80	7.2	68	61	55	49	42	36	29	72	7.7	65	58	52	45	39	32	26		
	62	76	7.1	76	72	65	59	52	46	40	70	7.6	70	66	59	53	47	40	34		
	57	74	7.1	74	72	66	59	53	46	40	68	7.6	68	66	60	53	47	40	34		
2625	72	90	7.4	60	52	44	37	29	-	-	83	7.9	57	49	42	34	27	-	-		
	67	82	7.2	74	67	60	52	45	37	30	74	7.7	70	64	57	49	42	34	26		
	62	78	7.1	78	76	71	63	56	48	41	72	7.7	72	70	65	57	50	42	35		
	57	76	7.1	76	75	71	64	56	49	41	70	7.7	70	69	65	58	50	43	35		
3000	72	92	7.4	66	57	48	39	31	-	-	85	8.0	63	54	46	37	28	-	-		
	67	84	7.3	81	73	65	56	47	38	30	76	7.8	76	70	62	53	44	35	27		
	62	80	7.2	80	80	77	68	59	50	42	74	7.7	74	74	71	62	53	45	36		
	57	78	7.2	78	78	77	68	60	51	42	72	7.7	72	72	71	62	53	45	36		
3375	72	93	7.4	71	61	51	41	31	-	-	86	8.0	68	59	48	39	29	-	-		
	67	85	7.3	84	78	69	59	49	39	29	77	7.8	77	74	66	56	46	36	26		
	62	81	7.2	81	81	80	70	60	50	40	74	7.7	74	74	73	63	53	43	33		
	57	79	7.2	79	79	79	69	59	49	39	73	7.8	73	73	72	62	52	42	32		
3750	72	95	7.5	76	65	54	43	31	-	-	87	8.1	74	63	51	40	29	-	-		
	67	86	7.3	86	82	72	61	50	39	28	78	7.9	78	78	70	58	47	36	25		
	62	82	7.2	82	82	82	71	60	49	38	75	7.8	75	75	75	64	53	42	31		
	57	80	7.2	80	80	80	69	58	47	35	73	7.8	73	73	73	62	51	40	28		

Air On Evaporator Coil		Temperature of Air on Condenser Coil									
		125°F									
		CFM	WB (°F)	Total Capacity <sup>1</sup> (MBh)	Total Input <sup>2</sup> (kW)	Sensible Capacity (MBh)					
						Return Dry Bulb (°F)					
				86	83	80	77	74	71	68	
2250	72	74	8.4	48	42	36	29	23	-	-	
	67	64	8.2	61	55	48	42	36	29	23	
	62	63	8.1	63	60	53	47	41	34	28	
	57	62	8.2	62	60	53	47	41	34	28	
2625	72	76	8.5	55	47	39	32	24	-	-	
	67	66	8.2	66	61	54	46	38	31	23	
	62	65	8.2	65	64	59	52	44	36	29	
	57	64	8.2	64	63	58	52	44	36	29	
3000	72	78	8.5	61	52	43	34	26	-	-	
	67	69	8.3	68	67	59	50	41	32	24	
	62	67	8.2	67	67	65	56	47	39	30	
	57	65	8.3	65	65	65	56	47	39	30	
3375	72	79	8.6	66	56	46	36	26	-	-	
	67	69	8.4	69	69	63	53	43	33	23	
	62	68	8.3	68	68	67	57	47	37	27	
	57	66	8.3	66	66	66	56	46	36	26	
3750	72	80	8.7	72	60	49	38	27	-	-	
	67	70	8.4	70	70	67	56	44	33	22	
	62	68	8.3	68	68	68	57	46	35	24	
	57	67	8.4	67	67	67	55	44	33	22	

Nominal Rating

All Sensible Capacity

1 - These capacities are gross ratings. For net capacity, deduct air blower motor, MBh = 3.415 x kW. Refer to the appropriate Blower Performance Table for the kW of the supply air blower motor.

2 - These ratings include the condensate fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

**ELECTRICAL DATA TABLES W/O PWRD CONVENIENCE OUTLET**

Model Number	Voltage	Compressors		OD Fan Motors	Supply Blower Motor FLA		Pwr Exh Motor	Pwr Conv Outlet	Electric Heater Model No.	Actual KW	Heater Amps	Min. Circuit Ampacity (Amps)		MCA w/Power Exhaust (Amps)		Max Fuse* Size (Amps)		Max Fuse Size w/Power Exhaust (Amps)			
		RLA	LRA	FLA	2 HP	3 HP	FLA	FLA				2 HP	3 HP	2 HP	3 HP	2 HP	3 HP	2 HP	3 HP	2 HP	3 HP
		ea.	ea.	ea.																	
DM090	208	11.5	84.0	3.5	8.2	10.9	5.5	0.0	None	--	--	41.1	43.8	46.6	49.3	50	50	50	60		
									2TP04521825	13.5	37.5	57.1	60.5	64.0	67.3	60	70	70	70		
									2TP04543625	25.5	70.8	98.7	102.1	105.6	109.0	100	110	110	110		
	230	11.5	84.0	3.5	8.2	10.9	5.5	0.0	None	--	--	41.1	43.8	46.6	49.3	50	50	50	60		
									2TP04521825	18.0	43.3	64.4	67.8	71.3	74.6	70	70	80	80		
									2TP04543625	34.0	81.8	112.5	115.9	119.4	122.7	125	125	125	125		
	460	6.4	42.0	1.6	4.1	5.3	2.2	0.0	None	--	--	21.7	22.9	23.9	25.1	25	25	30	30		
									2TP04521846	18	22.6	32.2	33.7	34.9	36.4	35	35	35	40		
									2TP04543646	34	42.7	56.2	57.7	59	60.5	60	60	60	70		
	575	5.1	34.0	1.3	3.6	4.1	1.8	0.0	None	--	--	17.7	18.2	19.5	20	20	20	20	25		
									2TP04521858	18	18.1	26.2	26.8	28.4	29	30	30	30	30		
									2TP04543658	34	34.1	45.4	46	47.6	48.3	50	50	50	50		

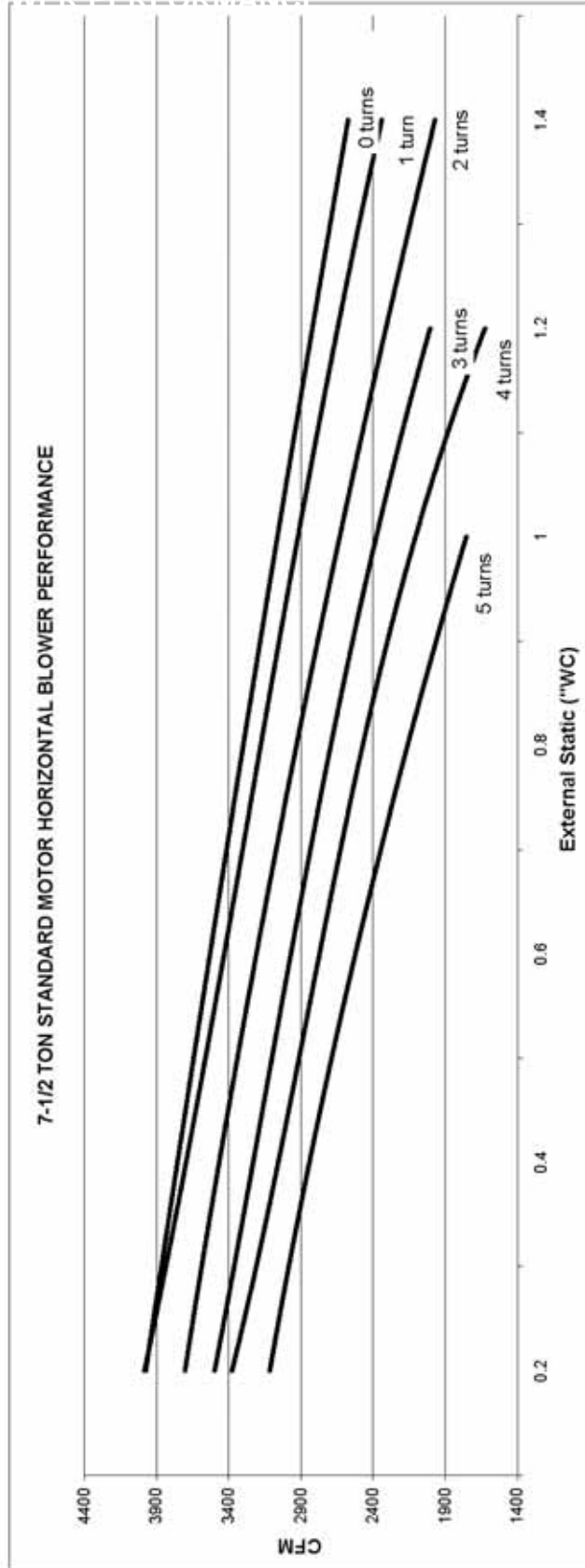
Model Number	Voltage	Compressors		OD Fan Motors	Supply Blower Motor FLA		Pwr Exh Motor	Pwr Conv Outlet	Electric Heater Model No.	Actual KW	Heater Amps	Min. Circuit Ampacity (Amps)		MCA w/Power Exhaust (Amps)		Max Fuse* Size (Amps)		Max Fuse Size w/Power Exhaust (Amps)			
		RLA	LRA	FLA	2 HP	3 HP	FLA	FLA				2 HP	3 HP	2 HP	3 HP	2 HP	3 HP	2 HP	3 HP	2 HP	3 HP
		ea.	ea.	ea.																	
DF090	208	12.8	84.0	1.5	8.2	10.9	5.5	0.0	None	--	--	40.0	42.7	45.5	48.2	50	50	50	60		
									2TP04521825	13.5	37.5	57.1	60.5	64.0	67.3	60	70	70	70		
									2TP04543625	25.5	70.8	98.7	102.1	105.6	109.0	100	110	110	110		
	230	12.8	84.0	1.5	8.2	10.9	5.5	0.0	None	--	--	40.0	42.7	45.5	48.2	50	50	50	60		
									2TP04521825	18.0	43.3	64.4	67.8	71.3	74.6	70	70	80	80		
									2TP04543625	34.0	81.8	112.5	115.9	119.4	122.7	125	125	125	125		
	460	5.8	42.0	0.8	4.1	5.3	2.2	0.0	None	--	--	18.8	20	21	22.2	20	25	25	25		
									2TP04521846	18	22.6	32.2	33.7	34.9	36.4	35	35	35	40		
									2TP04543646	34	42.7	56.2	57.7	59	60.5	60	60	60	70		
	575	5.1	34.0	0.6	3.6	4.1	1.8	0.0	None	--	--	16.3	16.8	18.1	18.6	20	20	20	20		
									2TP04521858	18	18.1	26.2	26.8	28.4	29	30	30	30	30		
									2TP04543658	34	34.1	45.4	46	47.6	48.3	50	50	50	50		

Model Number	Voltage	Compressors		OD Fan Motors	Supply Blower Motor FLA		Pwr Exh Motor	Pwr Conv Outlet	Electric Heater Model No.	Actual KW	Heater Amps	Min. Circuit Ampacity (Amps)		MCA w/Power Exhaust (Amps)		Max Fuse* Size (Amps)		Max Fuse Size w/Power Exhaust (Amps)			
		RLA	LRA	FLA	2 HP	3 HP	FLA	FLA				2 HP	3 HP	2 HP	3 HP	2 HP	3 HP	2 HP	3 HP	2 HP	3 HP
		ea.	ea.	ea.																	
DH090	208	11.5	84.0	1.5	8.2	10.9	5.5	0.0	None	--	--	37.1	39.8	42.6	45.3	45	50	50	50		
									2TP04521825	13.5	37.5	57.1	60.5	64.0	67.3	60	70	70	70		
									2TP04543625	25.5	70.8	98.7	102.1	105.6	109.0	100	110	110	110		
	230	11.5	84.0	1.5	8.2	10.9	5.5	0.0	None	--	--	37.1	39.8	42.6	45.3	45	50	50	50		
									2TP04521825	18.0	43.3	64.4	67.8	71.3	74.6	70	70	80	80		
									2TP04543625	34.0	81.8	112.5	115.9	119.4	122.7	125	125	125	125		
	460	5.8	42.0	0.8	4.1	5.3	2.2	0.0	None	--	--	18.8	20	21	22.2	20	25	25	25		
									2TP04521846	18	22.6	32.2	33.7	34.9	36.4	35	35	35	40		
									2TP04543646	34	42.7	56.2	57.7	59	60.5	60	60	60	70		
	575	5.1	34.0	0.6	3.6	4.1	1.8	0.0	None	--	--	16.3	16.8	18.1	18.6	20	20	20	20		
									2TP04521858	18	18.1	26.2	26.8	28.4	29	30	30	30	30		
									2TP04543658	34	34.1	45.4	46	47.6	48.3	50	50	50	50		

### STANDARD MOTOR HORIZONTAL BLOWER PERFORMANCE

ESP	0 Turn			1 Turn			2 Turns			3 Turns			4 Turns			5 Turns		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.2	3986	1149	2.263	3721	1108	1.951	3495	1053	1.834	3377	1006	1.721	3259	959	1.598	3142	912	1.465
0.4	3751	1195	2.315	3487	1149	2.13	3239	1055	1.908	3058	1008	1.788	2825	959	1.652	2717	912	1.525
0.6	3532	1199	2.195	3439	1152	1.966	2964	1057	1.831	2772	1010	1.721	2523	960	1.598	2415	913	1.465
0.8	3309	1202	2.058	3178	1156	1.847	2688	1060	1.721	2469	1012	1.617	2177	963	1.465	2069	916	1.372
1	3058	1206	1.899	2918	1159	1.714	2385	1063	1.624	2108	1015	1.525	1746	965	1.372	1640	917	1.279
1.2	2809	1209	1.793	2645	1162	1.595	2002	1066	1.525	1624	1017	1.421	1217	966	1.279	1100	918	1.186
1.4	2580	1212	1.701	2340	1165	1.455	1951	1118	1.372	1511	1018	1.279	1017	966	1.186	910	918	1.093

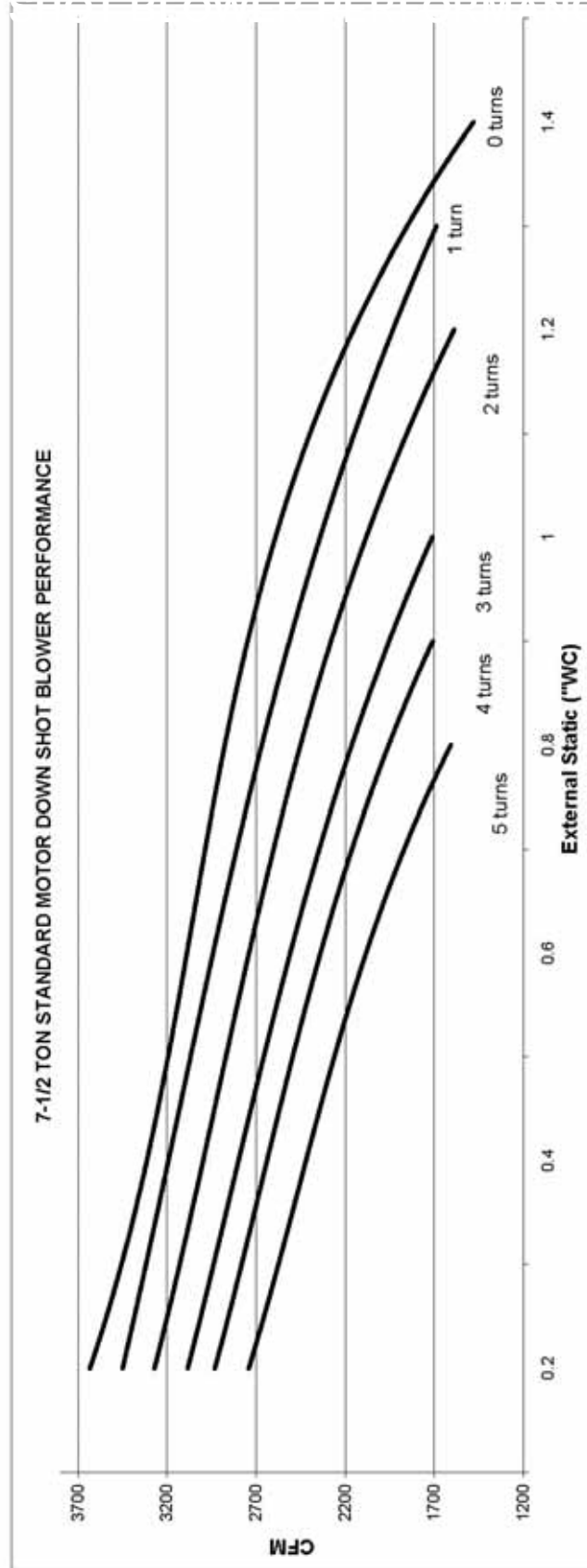
High Horsepower Option Required



### STANDARD MOTOR DOWN SHOT BLOWER PERFORMANCE

ESP	0 Turn					1 Turns					2 Turns					3 Turns					4 Turns					5 Turns						
	CFM	RPM	KW	BHP	BH <sup>1/2</sup>	CFM	RPM	KW	BHP	BH <sup>1/2</sup>	CFM	RPM	KW	BHP	BH <sup>1/2</sup>	CFM	RPM	KW	BHP	BH <sup>1/2</sup>	CFM	RPM	KW	BHP	BH <sup>1/2</sup>	CFM	RPM	KW	BHP	BH <sup>1/2</sup>		
0.2	3619	1203	2.148	2.3	3452	1156	1.913	2.1	3272	1110	1.696	1.8	3085	1063	1.503	1.6	2932	1013	1.289	1.4	2742	963	1.124	1.2	2559	913	1.067	1.1	2421	865	1.024	1.1
0.4	3343	1204	1.988	2.1	3189	1159	1.782	1.9	2995	1113	1.547	1.7	2798	1065	1.36	1.5	2640	1014	1.19	1.3	2421	965	1.024	1.1	2219	913	1.067	1.1	2084	867	0.918	1.0
0.6	3100	1205	1.857	2.0	2944	1162	1.676	1.8	2746	1116	1.44	1.5	2512	1068	1.246	1.3	2340	1017	1.067	1.1	2162	1071	0.988	1.0	1956	1020	0.934	1.0	1806	969	0.781	0.8
0.8	2846	1205	1.713	1.8	2675	1166	1.534	1.6	2448	1118	1.326	1.4	2162	1071	1.098	1.2	1956	1020	0.934	1.0	1712	1074	0.941	1.0	1559	1027	0.881	1.0	1457	1029	0.812	0.9
1.0	2559	1207	1.575	1.7	2335	1169	1.384	1.5	2084	1119	1.174	1.3	1712	1074	0.941	1.0	1559	1027	0.881	1.0	1359	1077	0.881	1.0	1219	1029	0.812	0.9	1119	1030	0.743	0.8
1.2	2219	1208	1.435	1.5	1935	1174	1.039	1.1	1559	1120	0.941	1.0	1359	1077	0.881	1.0	1219	1029	0.812	0.9	1119	1030	0.743	0.8	1019	1030	0.743	0.8	919	1030	0.644	0.7
1.4	1457	1209	1.093	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

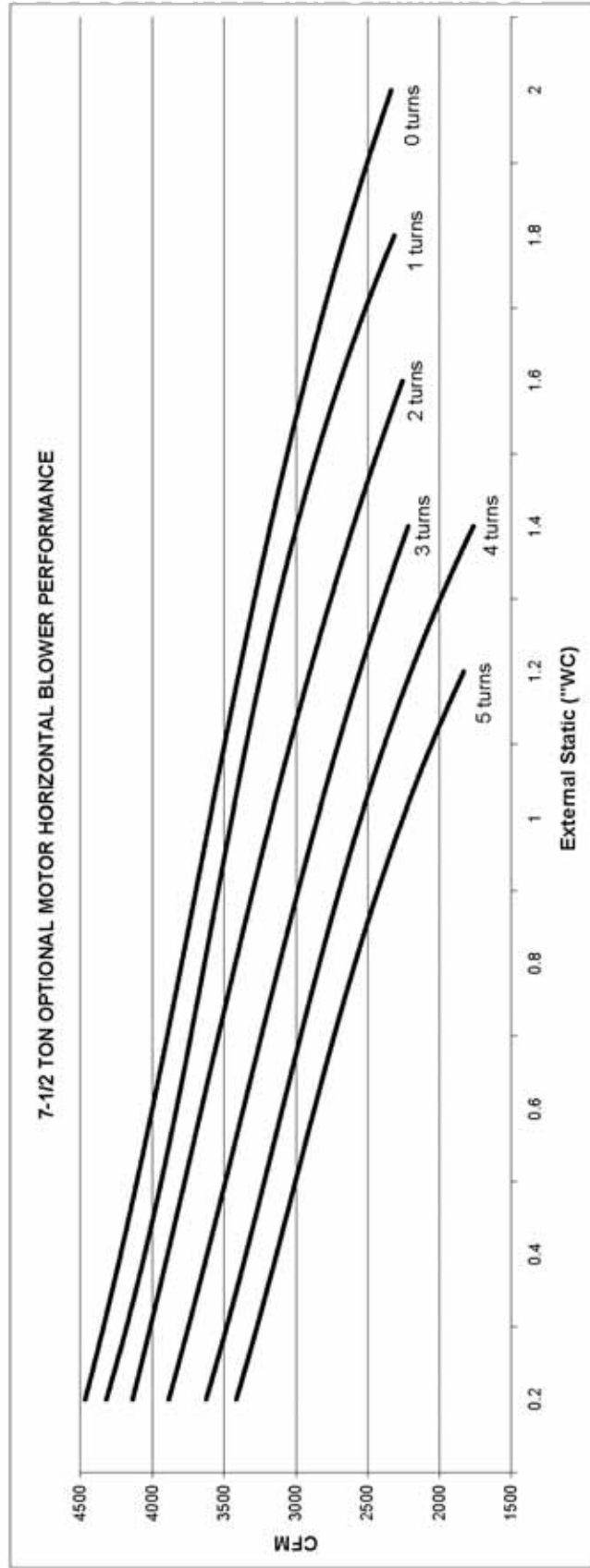
High Horsepower Option Required



### OPTIONAL MOTOR HORIZONTAL BLOWER PERFORMANCE

ESP	0 Turn			1 Turn			2 Turns			3 Turns			4 Turns			5 Turns					
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP			
0.2																					
0.4																					
0.6																					
0.8																					
1																					
1.2																					
1.4	3185	1312	2.327	30	2970	1262	2.049	2.6	2817	1212	1.719	2.2	2216	1158	1.417	1.8	1758	1105	1.116	1.4	
1.6	2928	1315	2.173	2.8	2742	1266	1.944	2.5	2251	1214	1.555	2.0	-	-	-	-	-	-	-	-	-
1.8	2678	1319	2.055	2.6	2294	1268	1.687	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2326	1354	1.844	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

High Horsepower Option Required





## NOTES

## NOTES

# NOTES