



FAN SIZE	MOTOR FRAME	SHAFT AT BEARINGS	DIMENSIONS																									
			A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	U	T	W							
12 1/4	143T, 145T	1 3/16-CL.I	13 1/8	10 7/8	8 7/8	12 1/2	10 1/8	15 1/2	16 1/8	19	6 15/16	24 11/16	17 3/16	9 7/8	5 3/4	7 5/8	10	6 1/2	8 9/16	W								
	182T	17 1/2						24 15/16													28 1/16	19 3/16	5 3/4	7 5/8	12	9 5/8		
	213T, 215T	1 7/16-CL.III						28 1/16													19 3/16	5 3/4	7 5/8	12	9 5/8			
13 1/2	143T, 145T	1 3/16-CL.I	14 3/8	11 7/8	9 5/8	13 3/4	11 5/8	16 3/4	17 3/8	19	7 3/8	25 1/8	17 3/16	10 3/4	6 3/16	8 1/16	10	7	8 9/16	W								
	182T	17 1/2						25 3/8													19 3/16	6 3/16	8 1/16	12	9 5/8			
	213T	1 7/16-CL.III						28 1/2													19 3/16	6 3/16	8 1/16	12	9 5/8			
15	143T, 145T	1 3/16-CL.I	16	13 1/8	10 5/8	15 1/8	11 3/4	18 1/4	18 7/8	19	8	25 3/4	17 3/16	12	6 13/16	8 11/16	10	7 3/4	8 9/16	W								
	182T	18 1/4						26													19 3/16	6 13/16	8 11/16	12	9 5/8			
	213T	1 7/16-CL.III						29 1/8													19 3/16	6 13/16	8 11/16	12	9 5/8			
16 1/2	143T, 145T	1 3/16-CL.I	17 5/8	14 3/8	11 5/8	16 5/8	12 3/4	19 3/4	20 3/8	19	8 9/16	26 5/16	17 3/16	13 1/8	7 3/8	9 1/4	10	8 1/4	8 9/16	W								
	182T, 184T	19 3/4						26 9/16													19 3/16	7 3/8	9 1/4	12	9 5/8			
	213T, 215T	1 7/16-CL.III						29 11/16													19 3/16	7 3/8	9 1/4	12	9 5/8			
18 1/4	143T, 145T	1 3/16-CL.I	19 1/4	15 7/8	12 7/8	18 1/4	13 7/8	22	23 3/8	22	9 1/4	29	19 3/16	14 9/16	8 1/8	10	12	9 1/4	9 5/8	W								
	182T, 184T	22						30 3/8													19 3/16	8 1/8	10	12	9 1/4			
	213T, 215T	1 7/16-CL.III						22													34 1/16	22 3/16	8 1/8	11	14	9 1/2	10 5/8	
20	143T, 145T	1 7/16-CL.I	21 1/4	17 1/4	14	20	15	23 3/4	25 3/8	26	9 7/8	32 5/8	22 3/16	15 3/4	9	11 9/16	14	10 1/4	10 5/8	W								
	182T, 184T	23 3/4						33 7/8													22 3/16	9	11 9/16	14	10 1/4			
	213T, 215T	1 11/16-CL.III						34													22 3/16	9	11 9/16	14	10 1/4			
22 1/4	143T, 145T	1 7/16-CL.I	23 5/8	19 1/8	15 1/2	22 1/8	16 1/2	26 3/4	27 3/8	26	10 13/16	33 9/16	22 3/16	17 5/8	9 15/16	12 1/2	14	11 1/4	10 5/8	W								
	182T, 184T	26 3/4						33 13/16													22 3/16	9 15/16	12 1/2	14	11 1/4			
	213T	1 11/16-CL.III						26 3/4													34 15/16	22 3/16	9 15/16	12 1/2	17 1/2	11 13/16		
24 1/2	182T, 184T	1 7/16-CL.I	26	21 1/8	17	24 3/8	18	29	29 7/8	29	11 11/16	38 3/16	25 11/16	19 3/8	10 13/16	13 3/8	17 1/2	13 1/4	11 13/16	W								
	213T	29						39 5/16													25 11/16	10 13/16	13 3/8	17 1/2	13 1/4			
	256T, 284T	2 3/16-CL.III						40 7/8													25 11/16	10 13/16	13 3/8	17 1/2	13 1/4			
27	182T, 184T	1 11/16-CL.I	28 5/8	23 1/8	18 3/4	26 3/4	20 1/8	32	33 3/8	29	12 5/8	39 1/8	25 11/16	21 1/4	11 3/4	14 5/16	17 1/2	14 1/4	11 13/16	W								
	213T	32						40 1/4													25 11/16	11 3/4	14 5/16	17 1/2	14 1/4			
	256T, 284T	2 3/16-CL.III						32													40 15/16	25 11/16	11 3/4	14 5/16	20	14 1/8		
30	182T, 184T	1 15/16-CL.I	32 3/4	25 5/8	20 3/4	29 3/4	23 1/8	35	36 3/8	33	13 5/8	42 5/8	28 3/16	23 1/4	13	15 5/16	20	16	14 1/8	W								
	213T, 215T	35						43 3/4													28 3/16	13	15 5/16	20	16			
	256T, 284T	2 3/16-CL.III						35													44 7/16	28 3/16	13	15 5/16	20	16		
33	182T, 184T	1 15/16-CL.I	36	28 1/8	22 3/4	32 5/8	25 1/8	38	39 3/8	36	14 3/4	44 5/8	30 3/16	25 1/2	14 1/8	16 7/16	22	17	15 1/4	W								
	213T, 215T	38						47 9/16													30 3/16	25 1/2	14 1/8	16 7/16	22	17		
	256T, 284T	2 7/16-CL.III						38													48 7/16	30 3/16	25 1/2	14 1/8	16 7/16	22	17	
36 1/2	182T, 184T	1 15/16-CL.I	39 3/4	31 1/8	25 1/8	36	27 5/8	41 1/2	42 7/8	40	16 1/8	52 1/4	34 3/16	28 1/4	15 7/16	17 7/8	26	18	20 1/4	W								
	213T	41 1/2						52 15/16													34 3/16	28 1/4	15 7/16	17 7/8	26	18		
	256T, 284T	2 3/16-CL.III						41 1/2													53 13/16	34 3/16	28 1/4	15 7/16	17 7/8	26	18	
40 1/4	182T, 184T	2 3/16-CL.I	42 1/16	34 1/4	27 5/8	39 5/8	30 7/16	45 1/2	46 7/8	44	18	54 1/4	34 3/16	32	28	17 3/8	19 11/16	26	18	21 3/4	18 5/8							
	213T, 215T	45 1/2						55 11/16														34 3/16	32	28	17 3/8	19 11/16	26	18
	256T, 284T	2 7/16-CL.III						45 1/2														56 1/8	34 3/16	32	28	17 3/8	19 11/16	26
44 1/2	182T, 184T	2 3/16-CL.I	48 3/8	37 5/16	29 15/16	43 7/16	33 1/2	22 3/4	51 1/4	44 1/2	19 13/16	52 1/2	44 5/16	34 5/8	30 1/2	19 1/16	23 5/16	18	21 1/2	21 1/2	20 5/16							
	213T, 215T	22 3/4						57 1/8														44 5/16	34 5/8	30 1/2	19 1/16	23 5/16	18	21 1/2
	256T, 284T	2 15/16-CL.III						22 3/4														57 1/8	44 5/16	34 5/8	30 1/2	19 1/16	23 5/16	18

ITEM NO	IDENTIFICATION	NO REQ'D	FAN SIZE	DISCH. & ROT.	CL	WHL. TYPE	PERFORMANCE					MOTOR DATA					
							CFM	S.P.	R.P.M.	B.H.P.	TEMP.	ELEV.	HP	RPM	CURRENT	FRAME	TYPE
1	3045 UNI	1	44 1/2	CW/UB	II	UNI	27000	6	918	34.4			40	1800	60/3/460	324T	

MOTOR AND DRIVES SUPPLIED AND MOUNTED BY S.E.

**SPECIAL FEATURES**

- ▷ A=FLANGED OUTLET
- ▷ B=FLANGED INLET
- ▷ C=INLET VOLUME CONTROL
- ▷ D=OUTLET DAMPER
- ▷ E=CLEANOUT DOOR
- ▷ 1. QUICK CLAMP
- ▷ 2. BOLTED
- ▷ 3. PLUG
- ▷ F=SHAFT COOLER
- ▷ G=HOUSING DRAIN
- ▷ H=INLET SCREEN
- ▷ J=SHAFT SEAL
- ▷ K=SPLIT HOUSING
- ▷ L=BELT GUARD
- ▷ M=SHAFT AND BEARING GUARD
- ▷ N=UNITARY BASE
- ▷ P=INLET COLLAR
- ▷ Q=EXTENDED GREASE LEADS
- ▷ R=SPARK RESISTANT CONSTRUCTION, TYPE 'C'
- ▷ S=SPECIAL FINISH-SEE NOTES

CUSTOMER: INDUSTRIAL AIR QUALITY INC

JOB NAME: TIMKEN COMPANY

LOCATION: IRON STATION, NC

P.O.#: 16790

**SHELDONS ENGINEERING**

www.sheldonsengineering.com  
sales@sheldonsengineering.com

TITLE: UNIFOIL FAN-DESIGN 3000  
GENERAL ASSEMBLY - UB - SIZES 12 1/4 - 44 1/2

DRW: S.P. CUST.:

DATE: SEP.28/04

CHCK: INDUSTRIAL AIR QUALITY INC

SCALE: NOT SHOWN DWG. NO.:

CD-049800