



**COMPONENT-MATERIAL
ENGINEERING SPECIFICATION**

Part No.	801- 057- SUF (38-48)
Ref. Code	109
U.O.M.	EA
Engg. Ref.	AD

Part Description : BLOWER KIT ASSEMBLY ; NTHZ .. T2

AAAAA1-1

**APPROVED VENDOR: COMEFRI
NTHZ 315T2-NTHZ1000T2**

TECHNICAL CHARACTERISTICS:

- SCROLL IMPELLER** : MANUFACTURED FROM HIGH QUALITY GALVANIZED STEEL SHEET. BACKWARD CURVED IMPELLERS ARE MANUFACTURED IN CROSION PROOF STEEL. THESE IMPELLERS ARE OF WELDED CONSTRUCTION AND PAINTED. IMPELLERS ARE STATISTICALLY AND DYNAMICALLY BALANCED IN ACCORDANCE WITH ISO 1940/1,G2.5.
- BLOWER MOUNT** : STEEL FRAME PAINTED WITH EPOXY PAINT& HAVE CAST IRON BEARING SUPPORT WITH GREASE POINT
- BEARINGS** : 315 T2 - 500 T2 ; BEARING ARE SELF ALIGNING SINGLE ROW, DEEP GROOVE BALL TYPE W/ ECCENTRIC LOCKING RING.
560 T2 - 630 T2 ; BOUBLE ROW BALL BEARING IN PILLOW BLOCK SPLITTED CAST IRON HOUSING
710 T2 - 1250T2; DOUBLE ROW ROLLER BEARING IN PILLOW BLOCK SPLITTED CAST IRON HOUSING
- SHAFTS** : SHAFTS ARE MANUFACTURED FROM HIGH QUALITY STEEL, KEY WAY AT BOTH ENDS AND AT IMPELLER LOCATION POINT.

BLOWER KIT TO BE COMPRISED AND ASSEMBLED OF THE FOLLOWING ITEMS

- 1-SCROLL 2-IMPELLER 3-BEARINGS 4-CUT OFF 5-SHAFT 6-KEY
7-BLOWER/BEARING MOUNTING FRAME 8-OUTLET FLANGE. 9-FOREFINGER

SUFFIX

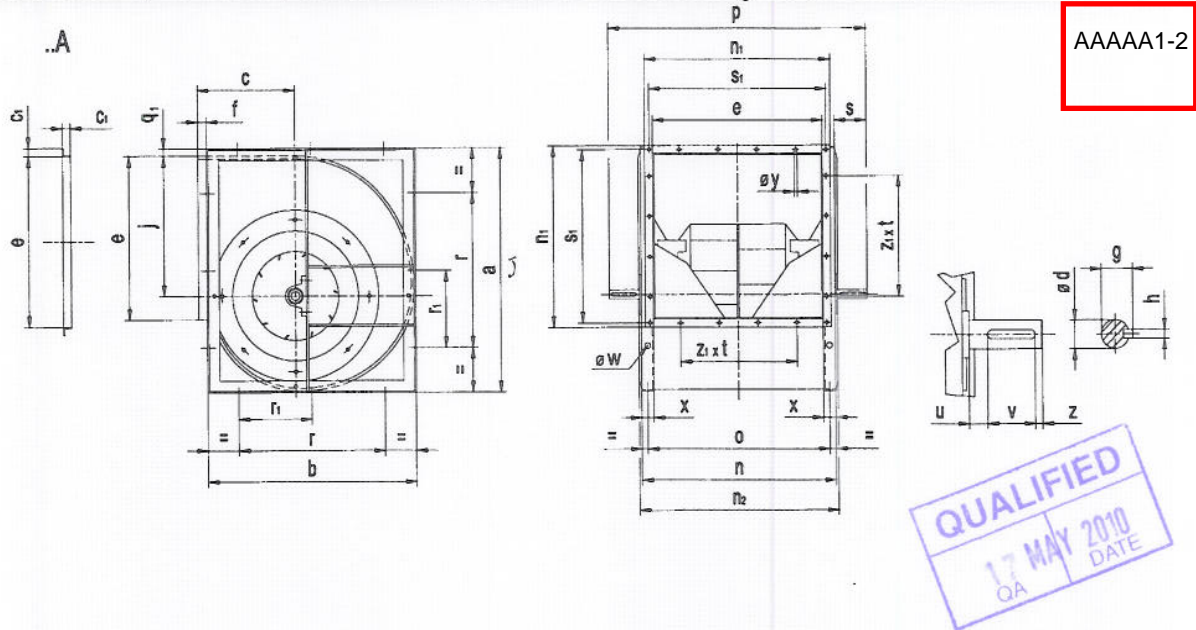
- A. INLET VANE CONTROL
- B. INLET GUARD
- C. SHAFT GUARD
- D. INSPECTION DOOR
- E. DRAIN PLUG
- F. EXPLOSION PROOF DESIGN
- G. EXTENDED GREASE LINES
- H. FAN EXPOXY COATED
- K. OUTLET GUARD
- Z. SPECIAL DESIGN (SPECIFY)



ALL DIMENSIONS ARE IN mm (BRACKET DIMENSIONS ARE IN INCHES)				SHEET 1 of 2		SCALE : N.T.S	
Tolerance: : Unless noted (±) : fraction 1/32" ; Decimal 0.031				WRITER	AL-ALI. HUSAIN		
				INITIATOR	ANWAR		
				ENG. CHECK	ANWAR		
				VERIFIED	OTHMAN		
				APPROVED	SAMI BANAT		
01	SUFFIX FOR OUTLET GUARD ADDED	HUSAIN	11-05-10	Issue Date	28-01-2006		
REV	Revision Details	Designer	Rev.Date	File Ref.	Ziicnas\Eng-Specs\801\05738-48		

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QUALIFIED
17 MAY 2010
DATE

SUF	REV	MODEL	a	b	c	c1	ød			e	f	g			h			j	n	n1	n2			o
							T1	T2L	T2			T1	T2L	T2	T1	T2L	T2				T1	T2L	T2	
38	01	NTHZ 315	578	480	236	25	25	-	30	404	39	28	-	33	8	-	8	341	464	454	490	-	490	434
39	01	NTHZ 355	655	542	261	25	30	-	35	453	39	33	-	38	8	-	10	384	533	503	541	-	641	493
40	01	NTHZ 400	736	606	291	25	30	-	35	507	45	33	-	38	8	-	10	432	587	557	595	-	695	547
41	01	NTHZ 450	828	674	322	25	35	-	40	569	52	38	-	43	10	-	12	486	649	619	677	-	757	609
42	01	NTHZ 500	918	744	352	25	35	-	40	638	56	38	-	43	10	-	12	540	718	688	746	-	746	678
43	01	NTHZ 560	1030	838	390	25	40	50	715	54	43	53,5	12	14	606	815	765	825	845	845	765	785	785	
44	01	NTHZ 630	1158	936	434	25	40	50	801	62	43	53,5	12	14	681	901	851	911	931	931	851	851	851	
45	01	NTHZ 710	1304	1048	485	25	50	60	898	71	53,5	64	14	18	767	998	948	1028	1028	948	948	948	948	
46	01	NTHZ 800	1468	1174	540	25	50	60	1007	81	53,5	64	14	18	864	1107	1057	1137	1137	1057	1057	1057	1057	
47	01	NTHZ 900	1648	1312	604	30	60	1130	97	64	18	972	1230	1190	1260	1190	1260	1190	1260	1190	1260	1190	1190	
48	01	NTHZ 1000	1810	1444	657	30	60	1267	97	64	18	1068	1367	1327	1397	1327	1397	1327	1397	1327	1397	1327	1327	

SUF	REV	MODEL	p			r	r1	s			s1	u			v			z			x	φ y	q1	φ w	z1x1
			T1	T2L	T2			T1	T2L	T2		T1	T2L	T2	T1	T2L	T2	T1	T2L	T2					
38	01	NTHZ 315	608	-	625	280	-	72	-	81	434	11	-	11	40	-	40	5	-	10	30	7,5	3	10	4x90
39	01	NTHZ 355	709	-	730	355	-	88	-	99	483	27	-	20	40	-	50	10	-	10	40	7,5	5	10	4x90
40	01	NTHZ 400	753	-	780	355	178	83	-	97	537	22	-	18	40	-	50	10	-	10	40	7,5	4	10	5x90
41	01	NTHZ 450	875	-	920	450	225	113	-	136	599	35	-	34	50	-	70	10	-	10	40	7,5	6	12	6x90
42	01	NTHZ 500	906	-	955	450	225	94	-	119	668	16	-	17	50	-	70	10	-	10	40	7,5	4	12	6x90
43	01	NTHZ 560	1028	1118	500	250	107	152	745	14	22	70	80	10	50	7,5	6	15	7x90	7x90	7x90	7x90	7x90	7x90	
44	01	NTHZ 630	1115	1220	560	280	107	160	831	14	30	70	80	10	50	7,5	7	15	8x90	8x90	8x90	8x90	8x90	8x90	
45	01	NTHZ 710	1260	1336	630	315	131	169	928	23	24	80	90	10	50	7,5	6	18	9x90	9x90	9x90	9x90	9x90	9x90	
46	01	NTHZ 800	1367	1445	710	355	130	169	1037	22	24	80	90	10	50	7,5	7	18	11x90	11x90	11x90	11x90	11x90	11x90	
47	01	NTHZ 900	1529	1574	800	400	150	172	1164	25	27	90	10	50	10	7	18	11x100	11x100	11x100	11x100	11x100	11x100	11x100	
48	01	NTHZ 1000	1666	1712	900	450	150	173	1301	25	28	90	10	50	10	7	18	12x100	12x100	12x100	12x100	12x100	12x100	12x100	

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