



Chapter 4-2

Primary Air Fan

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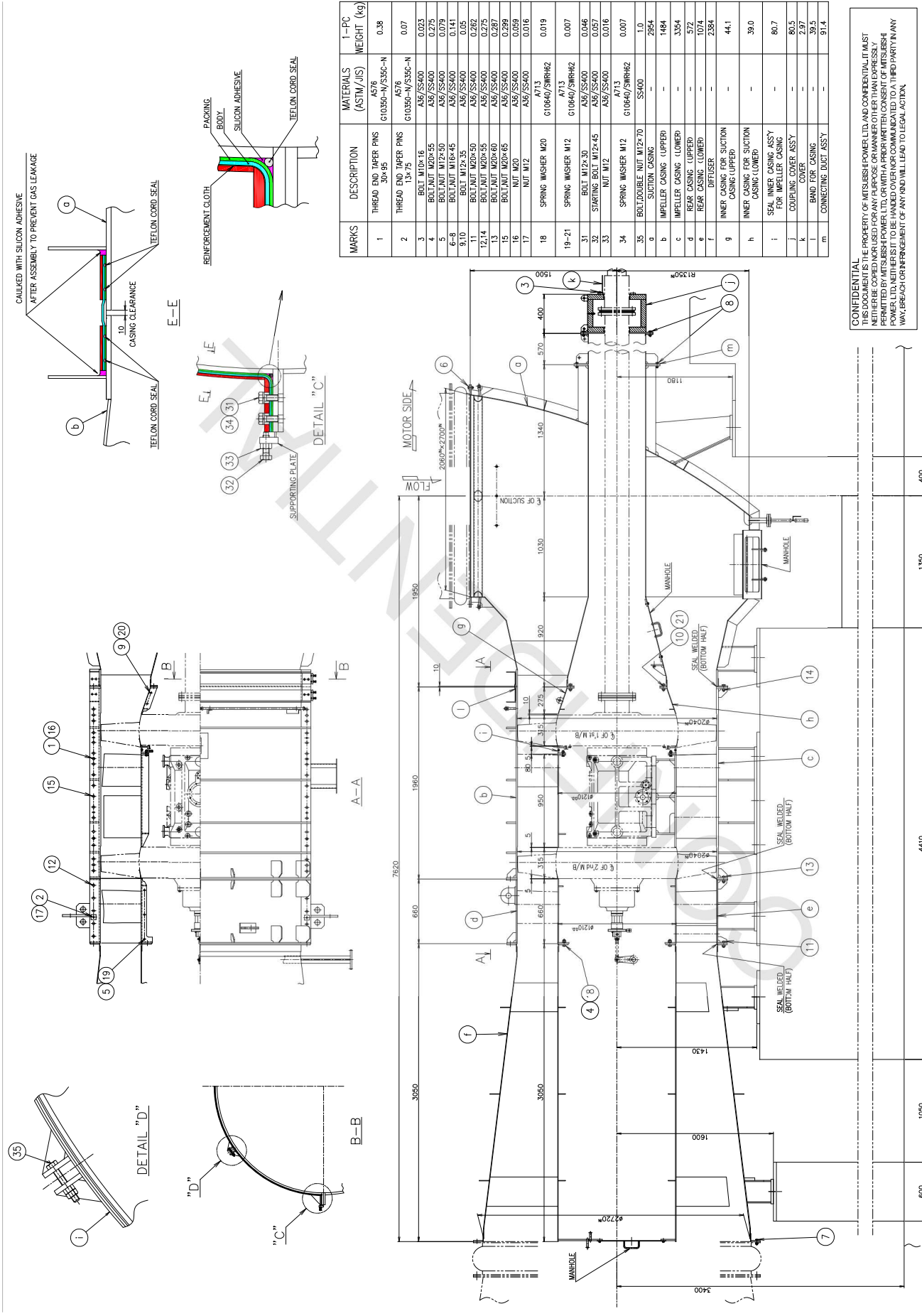


FIGURE 4-2.1.3 CASING ASSEMBLY

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Table A6-1
Casing Assembly Consumables

NOTE

•Remark ※ : Parts to be replaced at each regular inspection.
•Not Remark ※ : Replace with a new one depending on the condition.
•"Order Q'ty" shows parts quantity for two fans.
•(Quantity required normal maintenance.)

EQUIPMENT No.	MARKS	DESCRIPTION	PART NO	1-PIECE WEIGHT (kg)	REMARK	ORDER Q'TY	DELIVERY TIME (Month)	REPLACEMENT SCHEDULE (Year)
(A) C A S I N G A S S E M B L Y	1	THRES D END TAPER PINS 30 × 90	FIG-1-①	0.38		8		
	2	THRES D END TAPER PINS 13 × 75	FIG-1-②	0.07		4		
	3	BOLT M10 × 16	FIG-1-③	0.023		18		
	4	BOLT,NUT M20 × 55	FIG-1-④	0.275		32		
	5	BOLT,NUT M12 × 50	FIG-1-⑤	0.079		12		
	6	BOLT,NUT M16 × 45	FIG-1-⑥	0.141		172		
	7	BOLT,NUT M16 × 45	FIG-1-⑦	0.141		160		
	8	BOLT,NUT M16 × 45	FIG-1-⑧	0.141		64		
	9	BOLT M12 × 35	FIG-1-⑨	0.05		8		
	10	BOLT M12 × 35	FIG-1-⑩	0.05		12		
	11	BOLT,NUT M20 × 50	FIG-1-⑪	0.262		80		
	12	BOLT,NUT M20 × 55	FIG-1-⑫	0.275		20		
	13	BOLT,NUT M20 × 60	FIG-1-⑬	0.287		80		
	14	BOLT,NUT M20 × 55	FIG-1-⑭	0.275		40		
	15	BOLT,NUT M20 × 65	FIG-1-⑮	0.299		60		
	16	NUT M20	FIG-1-⑯	0.059		16		
	17	NUT M12	FIG-1-⑰	0.016		8		
	18	SPRING WASHER M20	FIG-1-⑱	0.019	※	32	4	during fan overhaul
	19	SPRING WASHER M12	FIG-1-⑲	0.007	※	12	4	during fan overhaul
	20	SPRING WASHER M12	FIG-1-⑳	0.007	※	8	4	during fan overhaul
	21	SPRING WASHER M12	FIG-1-㉑	0.007	※	24	4	during fan overhaul
	22	NAME PLATE t1.6 (FOR A)	FIG-1-㉒	0.78		1		
	23	NAME PLATE t1.6 (FOR B)	FIG-1-㉓	0.78		1		
	24	CAUTION PLATE t1.6	FIG-1-㉔	0.38		2		
	25	SCREW RIVETS #4	FIG-1-㉕	0.001		20		
	26	NAME PLATE t1.6 (FOR A)	FIG-1-㉖	0.02		1		
	27	NAME PLATE t1.6 (FOR B)	FIG-1-㉗	0.02		1		
	28	SEAL PACKING	FIG-1-㉘	—	※	2	4	during fan overhaul
	29	SPRING WASHER M12 (FOR SUCTION CASING INNER MANHOLE)	FIG-1-㉙	0.007	※	44	4	during fan overhaul
	30	SPRING WASHER M10 (FOR DIFFUSER MANHOLE)	FIG-1-㉚	0.003	※	24	4	during fan overhaul
a	SUCTION CASING (FOR A)	FIG-1-㉛	2954		1			
b	SUCTION CASING (FOR B)	FIG-1-㉜	2954		1			
c	IMPELLER CASING (UPPER) (FOR A)	FIG-1-㉝	1484		1			
d	IMPELLER CASING (UPPER) (FOR B)	FIG-1-㉞	1484		1			
e	IMPELLER CASING (LOWER) (FOR A)	FIG-1-㉟	3354		1			
f	IMPELLER CASING (LOWER) (FOR B)	FIG-1-㊱	3354		1			
g	REAR CASING (UPPER)	FIG-1-㊲	572		2			
h	REAR CASING (LOWER) (FOR A)	FIG-1-㊳	1074		1			
i	REAR CASING (LOWER) (FOR B)	FIG-1-㊴	1074		1			
j	DIFFUSER (FOR A)	FIG-1-㊵	2384		1			

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Casing Assembly Consumables

NOTE
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EQUIPMENT No.	MARKS	DESCRIPTION	PART NO	1-PIECE WEIGHT (kg)	REMARK	ORDER Q'TY	DELIVERY TIME (Month)	REPLACEMENT SCHEDULE (Year)	
(A) C A S I N G A S S E M B L Y	k	DIFFUSER (FOR B)	FIG-1-(k)	2384		1			
	l	INNER CASING FOR SUCTION CASING (UPPER)	FIG-1-(l)	44.1		2			
	m	INNER CASING FOR SUCTION CASING (LOWER)	FIG-1-(m)	39.0		2			
	n	INNER CASING SEAL PLATE FOR IMPELLER CASING	FIG-1-(n)	80.7	※	2	6	depending on condition	
	o	COUPLING COVER ASS'Y	FIG-1-(o)	80.5		2			
	p	COVER	FIG-1-(p)	2.97		2			
	q1	BOLT M12 x 30 (BAND FOR CASING ASS'Y)	FIG-1-q1	0.046		16			
	q2	STARTING BOLT M12 x 45 (BAND FOR CASING ASS'Y)	FIG-1-q2	0.057		16			
	q3	NUT M12 (BAND FOR CASING ASS'Y)	FIG-1-q3	0.016		16			
	q4	SPRING WASHER M12 (BAND FOR CASING ASS'Y)	FIG-1-q4	0.007	※	16	4	during fan overhaul	
	q5	SILICON ADHESIVE (BAND FOR CASING ASS'Y)	FIG-1-q5	3.0	※	2	4	during fan overhaul	
	a11	DRAIN VALVE (FOR A)	FIG-1-a11	-		1			
	b11	DRAIN VALVE (FOR B)	FIG-1-b11	-		1			
	a12	GASKET ANSI #150-40 (FOR A)	FIG-1-a12	-	※	1	4	during fan overhaul	
	b12	GASKET ANSI #150-40 (FOR B)	FIG-1-b12	-	※	1	4	during fan overhaul	
	q11	SUPPORTING PLATE t12 (BAND FOR CASING ASS'Y)	FIG-1-q11	0.41		8			
	q12	SUPPORTING PLATE t6 (BAND FOR CASING ASS'Y)	FIG-1-q12	0.047		8			
	r	CONNECTING DUCT ASS'Y	FIG-1-(r)	91.4		2			

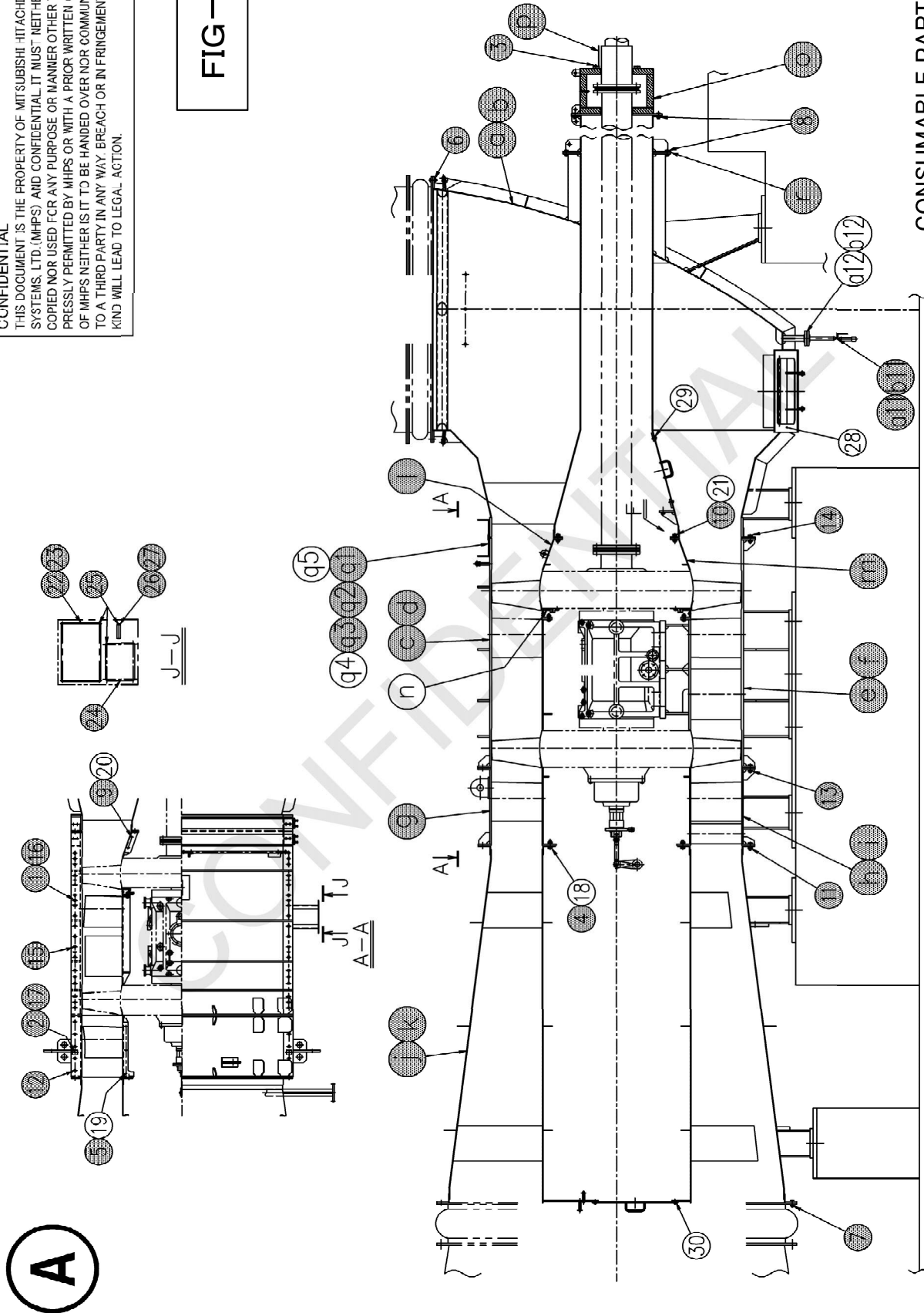
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FIG--1



CONSUMABLE PARTS LIST
(CASING ASSEMBLY)