SERVICE REPORT PREVENTIVE **MAINTENANCE**

FORM NO.

		P'	ISION A T. HM SA LANT			,	PAC)		Tipe Form PM04	
Lok	asi : LT3			Team Engineer List: tes			Date :			
								2024- 08-03		
Coc	le unit : 12	No. Seri }: 12			1			Start PM : 06:10		
Noi	nor Unit : 83	Periode :			C			Close PM : 0	Close PM : 08:10	
CI	ECKLIST TEAM BRIE	FING							3000 1777 00170	
	ENSIVE SAFETY BRIEI				? (OK	?	NOT OK	
TE.										
A	Filter Section	Spec. Range /					Spec.			
	Item Checked	Cond. Std.		Checked	Item Checked I		Range	Actual Checked		
	1. Check/Replace filters	Clean or Dirty	Clean		pan			Clean		
	2. Grille area unrestricted	OK / Not OK	Ok		1 <u>*</u> 1		Clean or Dirty	Clean		
	3. Wipe section clean	Clean or Dirty	Clean		7. Check/Test filter-		Ol N-	Ok		
	4. Coil clean	Clean or Dirty	Clean		clog switch operation		Ok or No			
В	Blower Section	G B	Blower 1		Blower 2		Blower 3			
	Item Checked	Spec. Range / Cond. Std.	Before	Mer 1 After	Before	Mer 2 After	Before	Mer 3 After	Keterangan	
	1. Mounting bolts tight	Ok or No	OK	OK		OK	OK	OK	ОК	
	2. Fan-guard bolts tight	Ok or No	OK	OK	OK	OK	OK	OK	OK	
	3. Impeller spins freely	Ok or No	OK	OK		OK		OK	OK	
	4. Check/Test air sail switch	Ok or No	OK	ОК	OK	OK	OK	OK	OK	
	5. Motor amp draw	FLA L1 =····	L1	L1	L1	L1	L1	L1	1	
	• Compare to nameplate amps	FLA L2 =····	L2	L2	L2	L2	L2	L2	1	
		FLA L3 =····	L3	L3	L3	L3	L3	L3	1	
	6. Check belt tension and condition	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok	
	7. Check sheave/pulley	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok	
C	Reheat						II			
	Item Checked	Spec. Range / Cond. Std.	Hea Before	After	Heater 2 Before After		Heater 3 Before After		Keterangan	
	1. Reheat amp draw	FLA =·····	1	1	1	1	1	1	1	
	2. Check Heater Resistance	18-22 ohm	1	1	1	1	1	1	1	
	3. Inspect elements	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok	
	4. Check wire connections	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok	
D	Steam Generating Hum	l Jidifier								
	Item Checked	Spec. Range	Actual Checked 1 Ok		Item Checked 4. Check condition of steam hose 5. Clean strainer			Spec. Range	Actual Checked	
	1. Humidifier amp draw	A						Ok or No	Clean	
	2. Check drain valve/drain lines/trap fordamage/clogs/leaks	Ok or No						Ok or No	Clean	
	3. Check water fill valve and all supply lines/connection for leaks	Ok or No	Clean		6. Check humidifier bottle (Boiler tank)			Ok or No	Clean	
					7. Check operation of humidifier			Ok or No	Ok	
E	Electrical Panel				The second of manuality					
	Item Checked	Spec. Range / Cond. Std.		Before	Actual Checked After				Keterangan	
	1. Check fuses	Ok or No	Ok			Ok			Ok	
	2. Check contactors for	Olr on No	Ok			Ok			Ok	

Ok or No

pitting (Replace if pitted)

Ok

3. Check/Rok or No torque wire connections

E	Electrical Panel								
	Item Checked	Spec. Range /			Actual				Keterangan
l		Cond. Std.		Before	Checked				
	4. Voltage Line to		Detore			After			1
	Neutral Ground	220 + 10%	L1/L2/L3 =1		V	L1/L2/L3 =1		V	
	5. Voltage Line to Line	380 + 10%	L1L2/L2L3/L V	1L3 =1		L1L2/L2L3/L1L3 = 1			1
	6. Frequency	50 + 10%	F=1		Hz	F=1		Hz	1
ĸ	Controls	30 10/0	_		112	112 1 -		HE	-
	Item Checked	Spec. Range / Cond. Std.	Actual	Checked	Item Checked		Spec. Range	Actual Checked	
	1. Check/Verify control operation	Ok or No	Ok		3. Check/Test water- detectiondevice			Ok or No	Ok
	2. Check/Test changeover device	Ok or No	Ok		4. Check/Test CAN connection between indoor and outdoor units			Ok or No	Ok
G	Refrigeration Piping								
	Item Checked	Spec. Range	Actual Checked		Item Checked			Spec. Range	Actual Checked
	1. Check refrigerant lines (clamps secure/no rubbing/no leaks)	Ok or No	Ok		3. Check for restriction temperature drop across filterdrier			Ok or No	Clean
	2. Check for moisture (sight glass)	Ok or No	Ok		filterdrier				
121	H Compressor Section								
	-	Spec. Range /	Comp. 1		Comp. 2 Con		np. 3		
	Item Checked	Cond. Std.	Before	After	Before	After	Before	After	Keterangan
	1. Ampere draw	OA··· A	1	1	1	1	1	1	1
	2. Check oil level	55 - 90 PsiG	1	1	1	1	1	1	1
	3. Check for oil leaks	200 - 300 PsiG	1	1	1	1	1	1	1
	4. Check compressormounts (springs/bushings)	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	5. Cap tubes (not rubbing)	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	6. Check/Re-torque wireconnections (inside compressor box)	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	7. Compressor operation (vibration/noise)	Hz dB	1	1	1	1	1	1	1
	8. Check crank-case heater fuses/operation	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	9. Check for refrigerantleaks	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	10. Suction pressure Circuit	55 - 90 PsiG	1	1	1	1	1	1	1
	11. Discharge PressureCircuit	200 - 300 PsiG	1	1	1	11	1	1	1
	12. Superheat Circuit	?C		1	1	1	1	1	1
	13. Low-pressure switchcut out Circuit	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	14. Low pressure cut in Circuit	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	15. High pressure cut out Circuit	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	16. Sight Glass	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	5 - ·····				1.				

Item Checked 1. Coil clean of debris (Cle ifrequired) 2. Fans free of debris 3. Fans securely mounted 4. Motor bearings in good 5. Check all refrigerant lir vibration isolation. Support as neces 6. Check for refrigerant le	condition nes for	Spec. Range Clean or Dirty Clean or Dirty 1	Before Clean	A1	ter	Keterangan						
1. Coil clean of debris (Cle ifrequired) 2. Fans free of debris 3. Fans securely mounted 4. Motor bearings in good 5. Check all refrigerant livibration isolation. Support as neces	condition nes for	<u> </u>	Clean									
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3. Fans securely mounted 4. Motor bearings in good 5. Check all refrigerant livibration isolation. Support as neces	nes for	Clean or Dirty 1		Clean								
4. Motor bearings in good 5. Check all refrigerant lir vibration isolation. Support as neces	nes for	1	Clean	Clean								
5. Check all refrigerant ling vibration isolation. Support as neces	nes for	1	1	1								
vibration isolation. Support as neces		1	1	1								
isolation. Support as neces		Ok or No	Ok	Ok								
6. Check for refrigerant leaks				01								
		Ok or No	Ok	Ok								
7. Check surge-protection (ifinstalled) status-indicat	or lights	Ok or No	Ok	Ok								
8. Check/Re-torque wire c	onnections	Ok or No	Ok Ok									
9. Check contactors for pi ifpitted)	tting (replace	Ok or No	Ok	Ok								
10. Verify operation seque	nce/set points	1	1 1									
11. Charge verification:		1	1	1								
a. Outdoor Ambient Temp	perature	1	1									
		1	1									
		1	1									
d. Sight-glass level (if Lee-Temp		1	1									
		FLA = 1 A		L1/L2/L3 =								
•			1 Amp	1 P	шр							
Item Checked	Spec. Range	Actual Checked	Item Checked		Spec. Range	Actual Checked						
1. Cooling Test	Ok or No	Ok	4. Dehumidification T	`est	Ok or No							
		Ok	5. Alarm Test									
3. Humidification Test		Ok										
Room Condition												
Item Checked	Spec. Range	Actual Checked	Item Checked		Spec. Range	Actual Checked						
1. Temperature	1 C	1	2. Humidity		1 %	1						
		NOT	TES									
nuan : tes												
Rekomendasi : tes												
omendasi : tes		RESUME										
omendasi : tes		RESU	NO, please check on NOTES									
JOB COMPLETED	Yes		NOTES	RUNNING	HOUKS:							
	Yes	NO, please check on N		RUNNING	HOURS:							
JOB COMPLETED ?	Yes	NO, please check on N APPRO SIGN	OVAL IING	RUNNING								
JOB COMPLETED	Yes	NO, please check on N	OVAL IING	RUNNING		Service By						
JOB COMPLETED ?	Yes	NO, please check on N APPRO SIGN	OVAL ING Sy	RUNNING		Service By m Leader/Staf,						
(i i i i i i i i i i i i i i i i i i i	9. Check contactors for pi ifpitted) 10. Verify operation seque 11. Charge verification: a. Outdoor Ambient Temp b. Subcooling c. Indoor-unit Return-air' d. Sight-glass level (if Lee- orpumped refrigerant) 12. Motor amp draw General Function Item Checked 1. Cooling Test 2. Heating Test 3. Humidification Test Room Condition Item Checked	9. Check contactors for pitting (replace ifpitted) 10. Verify operation sequence/set points 11. Charge verification: a. Outdoor Ambient Temperature b. Subcooling c. Indoor-unit Return-air Temperature d. Sight-glass level (if Lee-Temporpumped refrigerant) 12. Motor amp draw General Function Item Checked Spec. Range 1. Cooling Test Ok or No 2. Heating Test Ok or No 3. Humidification Test Ok or No Room Condition Item Checked Spec. Range	9. Check contactors for pitting (replace ifpitted) 10. Verify operation sequence/set points 11. Charge verification: 1 a. Outdoor Ambient Temperature 1 b. Subcooling 1 c. Indoor-unit Return-air Temperature 1 d. Sight-glass level (if Lee-Temporpumped refrigerant) 12. Motor amp draw FLA = 1 A General Function Item Checked Spec. Range Actual Checked 1. Cooling Test Ok or No Ok 2. Heating Test Ok or No Ok 3. Humidification Test Normalise Checked 1. Condition Item Checked Spec. Range Actual Checked Checked Ok or No Ok Room Condition Item Checked Spec. Range Actual Checked Checked	9. Check contactors for pitting (replace ifpitted) 10. Verify operation sequence/set points 11. Charge verification: 12. A. Outdoor Ambient Temperature 13. Subcooling 14. C. Indoor-unit Return-air Temperature 15. Subcooling 16. Sight-glass level (if Lee-Temp or pumped refrigerant) 17. Motor amp draw 18. FLA = 1 A 19. L1/L2/L3 = 1 Amp 19. Checked 19. Checked 19. Checked 10. Cooling Test 10. Ok or No 10. Ok 11. Charge verification: 10. Indoor-unit Return-air Temperature 11. Charge verification: 12. Indoor-unit Return-air Temperature 13. Sight-glass level (if Lee-Temp or pumped refrigerant) 14. Charge verification: 15. Subcooling 16. Checked 16. Sight-glass level (if Lee-Temp or pumped refrigerant) 17. Charge verification: 18. Charge verification: 19. Charge verification: 10. Charge verification: 10. Charge verification: 10. Charge verification: 10. Checked 10. Checked 11. Temperature 10. Checked 11. Charge verification: 10. Charge verification: 11. Charge verification: 12. L1/L2/L3 = 1 Amp 13. Actual Checked 14. Dehumidification: 15. Alarm Test 16. Checked 17. Checked 18. Checked 19. Checked 19. Checked 19. Charge verification: 10. Charge verification: 11. Charge verification: 12. Charge verification: 13. Charge verification: 14. Charge verification: 15. Charge verification: 16. Charge verification: 18. Charge verification: 19. Charge verification: 10. Charge verificati	9. Check contactors for pitting (replace ifpitted) 10. Verify operation sequence/set points 1	Ok or No						

 ${\it Keterangan: Lembar\ 1\ untuk\ Teknisi; Lembar\ 2\ untuk\ User; Lembar\ 3\ Arsip\ Kantor}$