

LAMPIRAN DAFTAR TABEL

Tabel 4.0 Spesifikasi AC

Equipments	Contents	Descriptions
Air Conditioning Unit	Type	UAD-22SSSZ4
	Overall dimension	Breadth Lenght Height 2,165 mm 2,930 mfm 1,415 mm
	Refrigerant	R 404 A
	Power source	440 V 60 Hz 3 Ph
	Cooling Capacity	106.1 kW Con. Temp Eva Temp 40 ⁰ C 6.5 ⁰ C
	Heating capacity	132.4 kW
	Steam consumption	Total : 256 kg/h (0.39MPaG) Heater:226 kg/h + Humidifier:30 kg/h
	Heating source	Steam
	Color of paint	Munsell number 7.5G7/2
Compressor	Type	4GE-30Y-40P Semi hermetic type
	Cylinder bore Stroke No. Cylinder	75.0 mm x 55.0 mm x 4
	Driving method Speed	Dirrect driven 1.750 min ⁻¹
	Capacity control	100% 50%
	Charged refrigerant oil	4.5 liters SUNISO SL-68S
Motor for Compressor	No. Of poles Speed	4 Poles 1.750 min ⁻¹
	Nominal output Current Insulation	22 kW 51.2 Amp F Class
	Manufacture	BITZER
Condenser	Type	RSC-22HF4 Shell &finned tube type
	Shell size Tube length	□406.4 mm 1.650 mm
	Cooling surface	25.3 m ²
	Tube plate material	C4621P +KP42(Naval brass clad steel)
	Tube material	C6872T (Alumunium brass)
	Shell plate material	KSTPG38 (Mild steel pipe)
	Water cover material	FC 200 (Cast iron) Inside : Non tar poxy paint
	Required water quantitiy & head loss	23.4 t/Hr abt 0.04 Mpa (or 4.0 mH2o)
Starter	Type	Vertical, Drip proof type
	Manufacturer	USHIO REINETSU CO., LTD.
Air cooler	Type	Plate fin type
	Rows x Steps x Tube length x fin pitch	4 x 36 x 1,300 mm x 1.4 mm
	Cooling surface	113 m ²
	Material of fin tube	Copper tube with alumunium fin
	Type	Steam spray system (Manual adjust)

Air heater	Rows x Steps x Tube length x fin pitch	2 x 24 x 1.300 mm x 4.0 mm		
	Heating surface	41.4 m ²		
	Material of fin tube	Copper tube with aluminium fin		
Humidifier	Type	Steam spray system (Manual adjust)		
	Spray nozzle size x sets	Nozle size : □4 x 3 sets		
Circulation fan	Type	Centrifugal limit load type		
	Air quantity	200 m ³ /min		
	Total static pressure	2.45 kPa		
	Driving method	Speed	V-belt driven	2130 min ⁻¹
Motor for Circulation fan	Type	Totally enclosed fan cooled type		
	No. Of poles	Speed	4 Poles 1.740 min ⁻¹	
	Rated Output	Current	Insulation	15 kW 25 Amp B Class
	Manufacturer	TAIYO ELECTRIC CO., LTD		
Charged Refrigerant			35 kg	
Total weight			abt. 2,300 kg	

Tabel 4.1 Tabel kebenaran AND dan OR

INPUT		OUTPUT	
A	B	AND	OR
0	0	0	0
1	0	0	1
0	1	0	1
1	1	1	1

Tabel 4.2 Tabel kebenaran

Distribusi udara terhambat	Gangguan dalam sistem fan	Output
0	0	0
1	0	1
0	1	1
1	1	1

Tabel 4.3 Tabel kebenaran distribusi udara terhambat

Katup udara yang terlalu menutup	Filter udara kotor	Output
0	0	0
0	1	1
1	0	1
1	1	1

Tabel 4.4 Tabel kebenaran sistem pendingin

V-belt motor penggerak fan kendor	Pelumas pillow block tidak intensif	Baut pengikat fan kurang kencang	Bearing Pillow block rusak	Output
0	0	0	0	0
0	0	0	1	1
0	0	1	0	1
0	1	0	0	1
1	0	0	0	1
1	1	1	1	1

