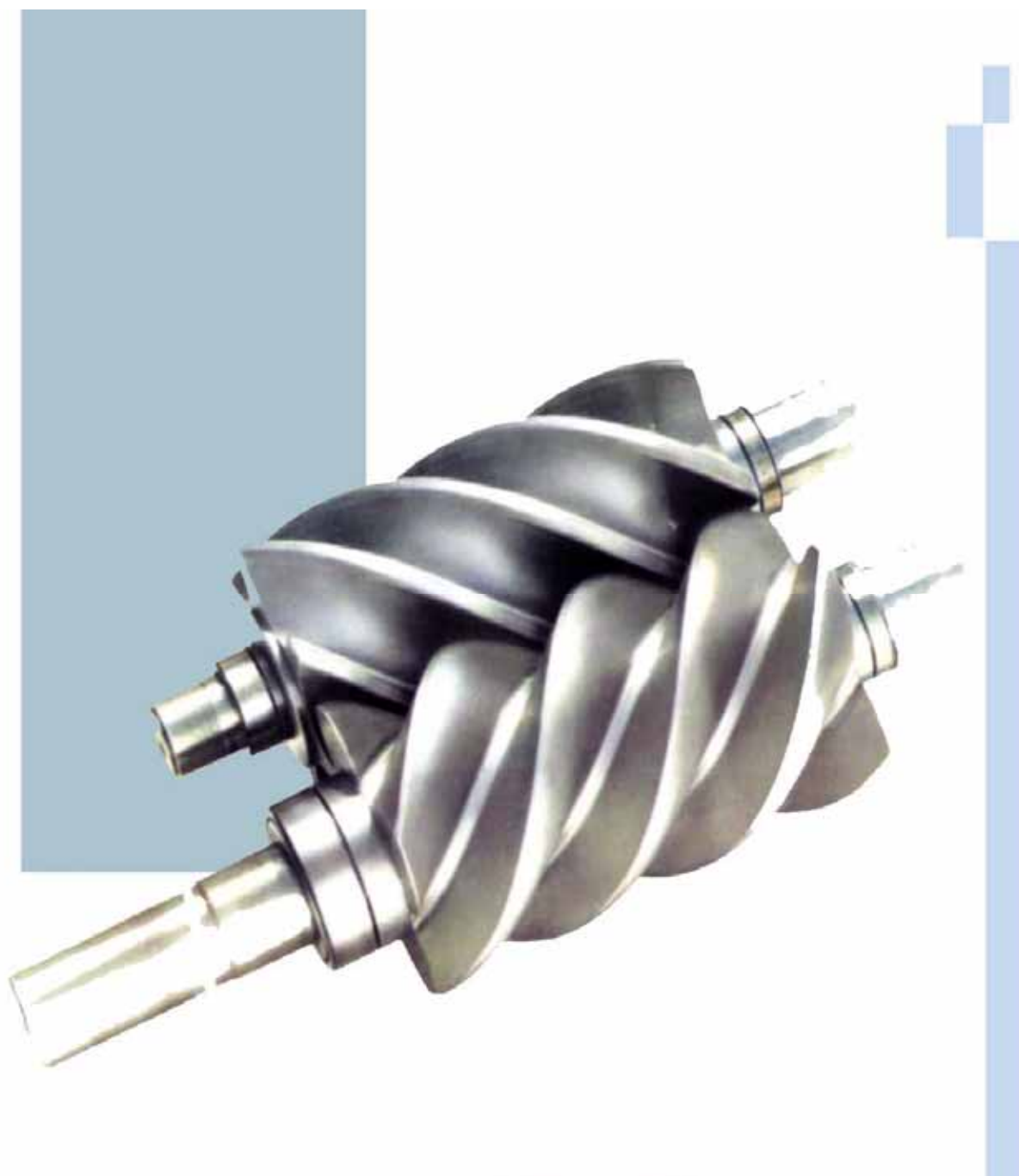




Air Compressor

LCD TYPE MANUAL

SSC series



(,)

A/S



주의

(CONTENTS)

1.	-----	3
2.	-----	5
3.	-----	12
4.	-----	22
5.	-----	26
6.	-----	28
7.	-----	29
8.	-----	36
9.	Spare Parts List -----	43
10.	-----	49

(,)

1.

(1).

GTC AIR

. ,
가 .

(2).

가
가

(3).

. ,
가 가 . ,

MODEL	SSC - A
S E R. NO.	
M.F.G. NO.	

2.

가



(,)

1.

,
,

2.

(1) (Hand Pallet Truck)

A. 3,000kg , 85mm , 550mm

B. 15 , 5

C.

(2) / (Folk Lift)

A. ()

B. 3,000kg

C. 3



(3) (Hoist and Crane)

A. 3,000kg

B.

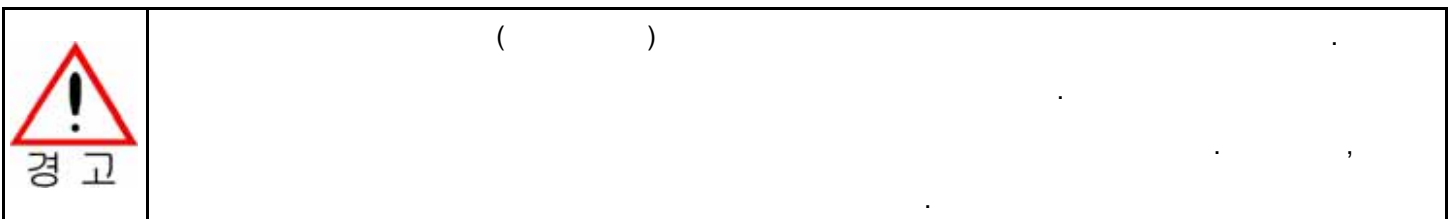
C.

D. 1m 5m

E. 8

F.

3.



가 ,

(1)

Blank box for answer

가
가 40 가



0.8m

,0.5m


,1m

, 1m

(2)

(3)

Blank box for answer

 주의	<p>가</p>
---	----------

4.

(1)

A.

B.

C.

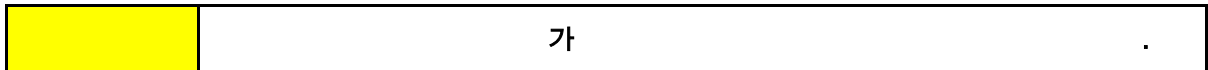
D.

E.

F.

500mm

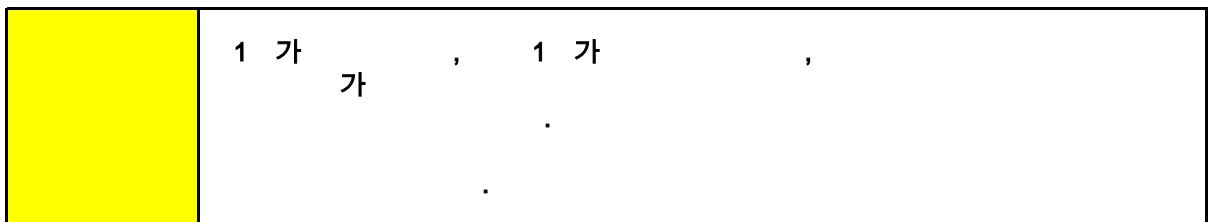
G.



(2) 2

2 1

가



(3)


가 . , .

(4)

가 , 가

	(m3)
50 HP	1
75 HP	1.5
100 HP	2.0
150 HP	2.5
200 HP	3.0
300 HP	4.0
350 HP	4.5

(5)

 주의	가 40°C
	가 40°C

A.


- a. 가 ,
- b. 1 1m³
- c.
- d. 가
- e.

(HP)	50 HP	75 HP	100 HP	150 HP	200 HP	300 HP	350 HP
(kcal/h)	11.000	16.000	22.500	30.000	39.500	56	62
(m ³ /min)	134	200	270	290	410	560	630

B.

- a. 가 ,
- b. 가 40°C

5.

	() 가 OFF ()
--	-------------------------

(1).

() ,
 가 가
 5%

(HP)		50	75	100	150	200	300	350
(mm ²)	AC220	60	100	125	200	325		
	AC440	38	60	60	125	150	200	325

가 10m , 가 .

(2).

AC220V	3	100
AC440V	3	10

(NFB)

(KIV)

MODEL	(V)	(A)			-
			(mm ²)	(m)	(mm ²)
SSC 20	220 AC	100	22	50	8
			38	100	
	380 / 440 AC	50	14	50	5.5
			22	100	
SSC 30	220 AC	175	38	50	8
			60	100	
	380 / 440 AC	100	22	50	5.5
			60	100	
SSC 50	220 AC	300	60	50	14
			100	100	
	380 / 440 AC	150	38	50	8
			60	100	
SSC 75	220 AC	400	60	50	22
			125	100	
	380 / 440 AC	250	38	50	14
			80	100	
SSC 100	220 AC	600	80	50	38
			150	100	
	380 / 440 AC	300	60	50	22
			100	100	
SSC 150	220 AC	800	200	50	60
			250	100	
	380 / 440 AC	400	125	50	38
			150	100	
SSC 200	220 AC	800	325	50	60
			400	100	
	380 / 440 AC	600	150	50	38
			200	100	
SSC 300	220 AC	1000		50	60
				100	
	380 / 440 AC	600	200	50	38
			325	100	
SSC 350	220 AC	1000		50	60
				100	
	380 / 440 AC	800	325	50	38
			325	100	

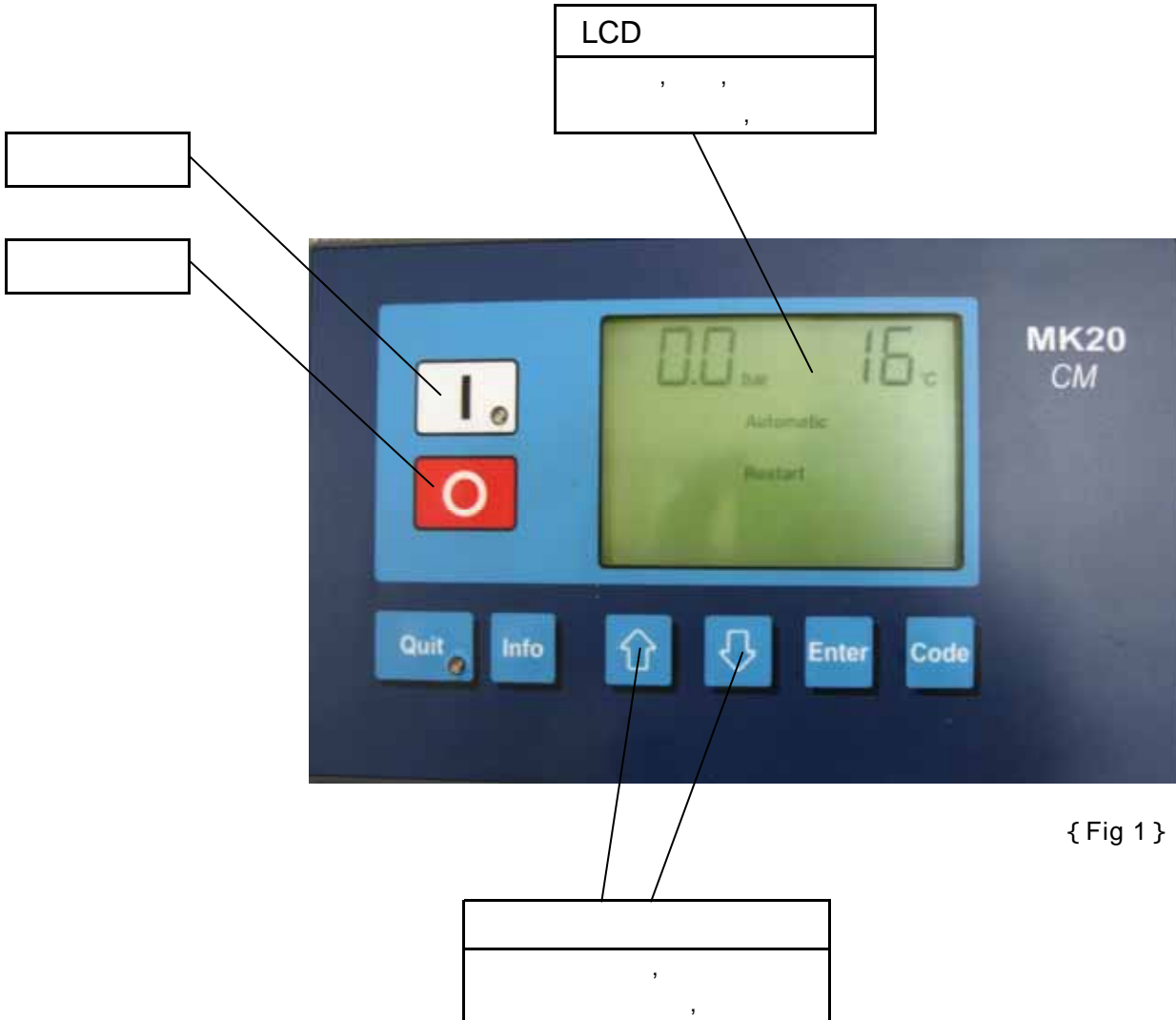


주의

가

1. LCD

LCD LCD()



{ Fig 1 }

2.

2-1.

- PANEL BOX MCCB ON

{ Fig 1 }

LCD

2-2. ,



{ Fig 2 }

A. ()

-

PILOT LAMP가 .{Fig1}

- {Fig 2}

Y- (5)

OPEN)

B.

-

15 (0~60 가) .{Fig2}

-

15

2-3.



{ Fig 3 }

- {Fig 3}

(: 6.8 Bar)

{Fig 2}

(OPEN)

(0~1,200 가)

(1,200 (20))

-

(OPEN)

Symbol		Text	
(M)		Automatic	
	(OPEN)	Restart	
		Remote	

*

3.

CODE ENTER

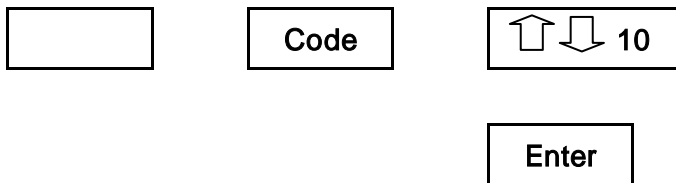
3-1.

A. (Start Pressure)

"Code"

{Fig 4}

"0"



{Fig 4}

{Fig 5}

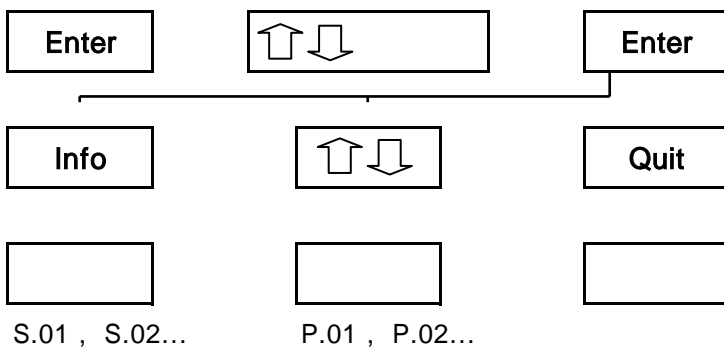
S.01, P.01

1, 1,
0.0 ~

가

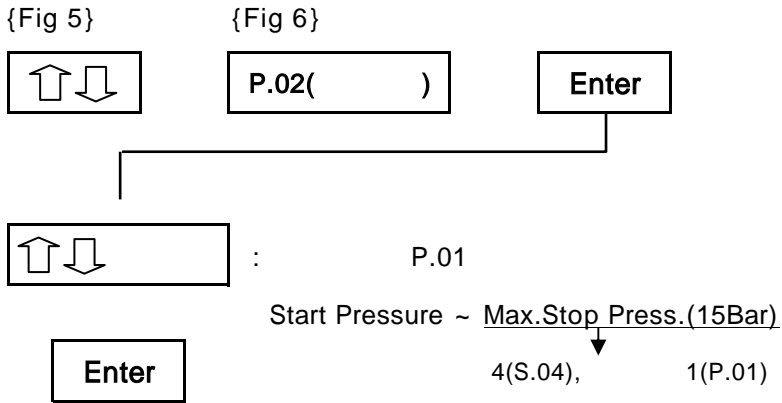
0.0 ~ 14.5 Bar

{Fig 5}

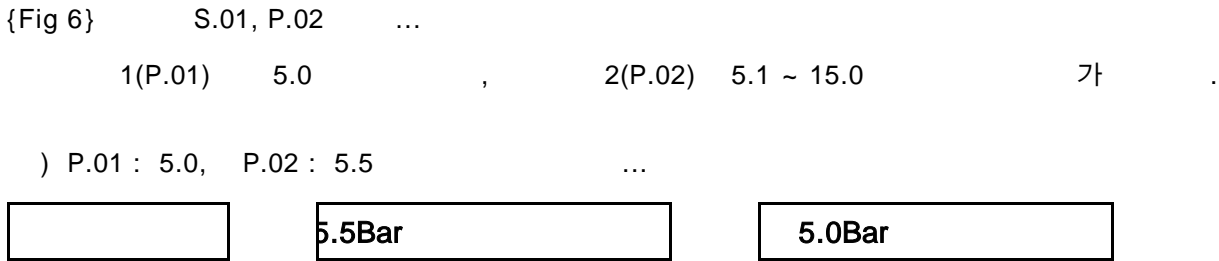


{Fig 5}

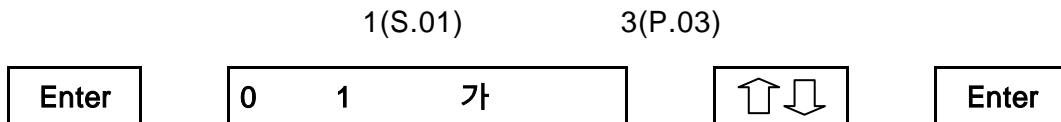
B. (Stop Pressure)



{Fig 6}



3-2. (Operation Mode)



...
 Continous
 Automatic



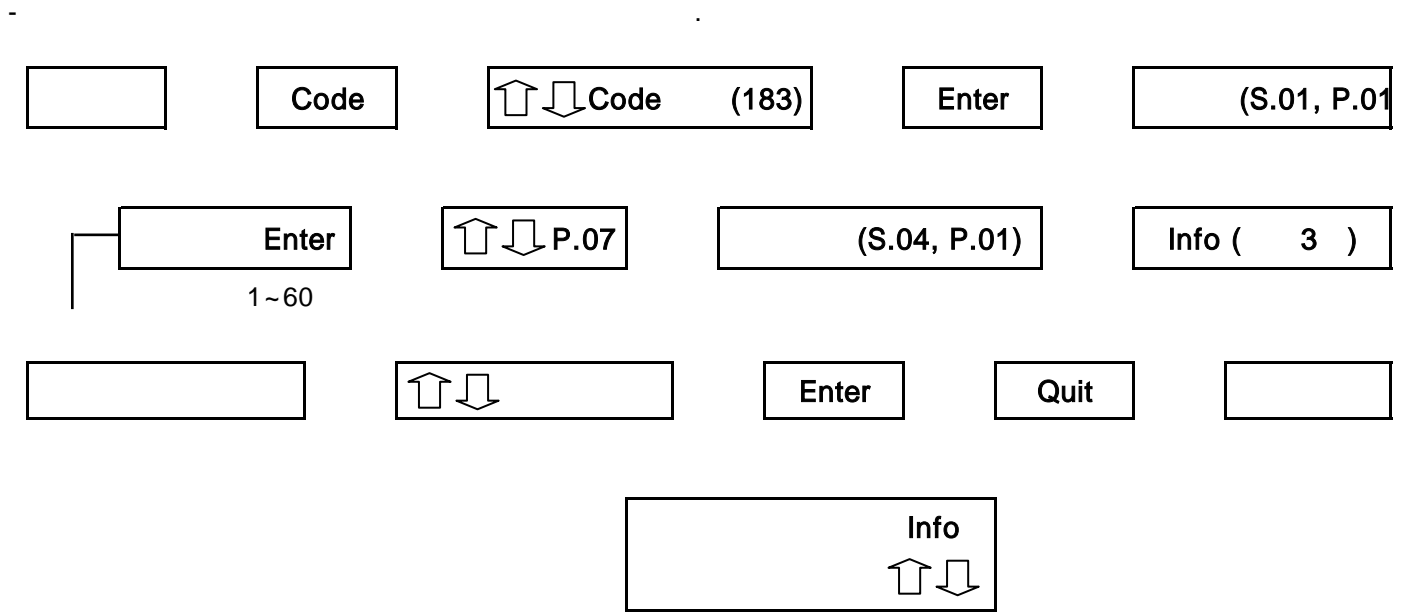
가 .

* 3(S.03) 1(P.01) (Automatic Restart)

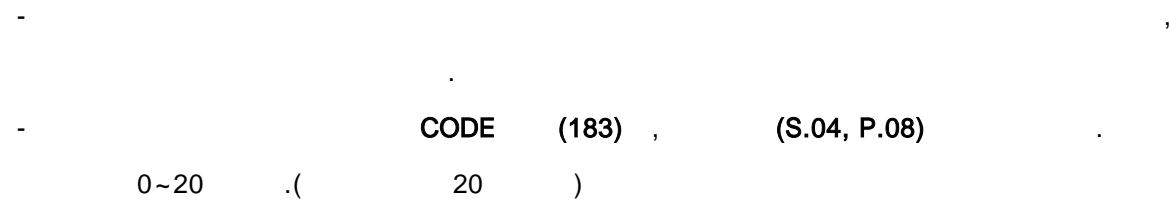
1(YES) . 0(N0) ,

3-3.

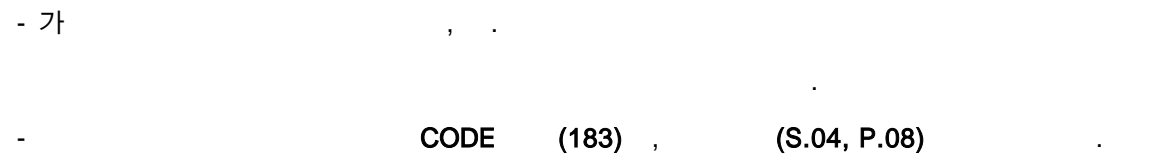
A. Y-



B.

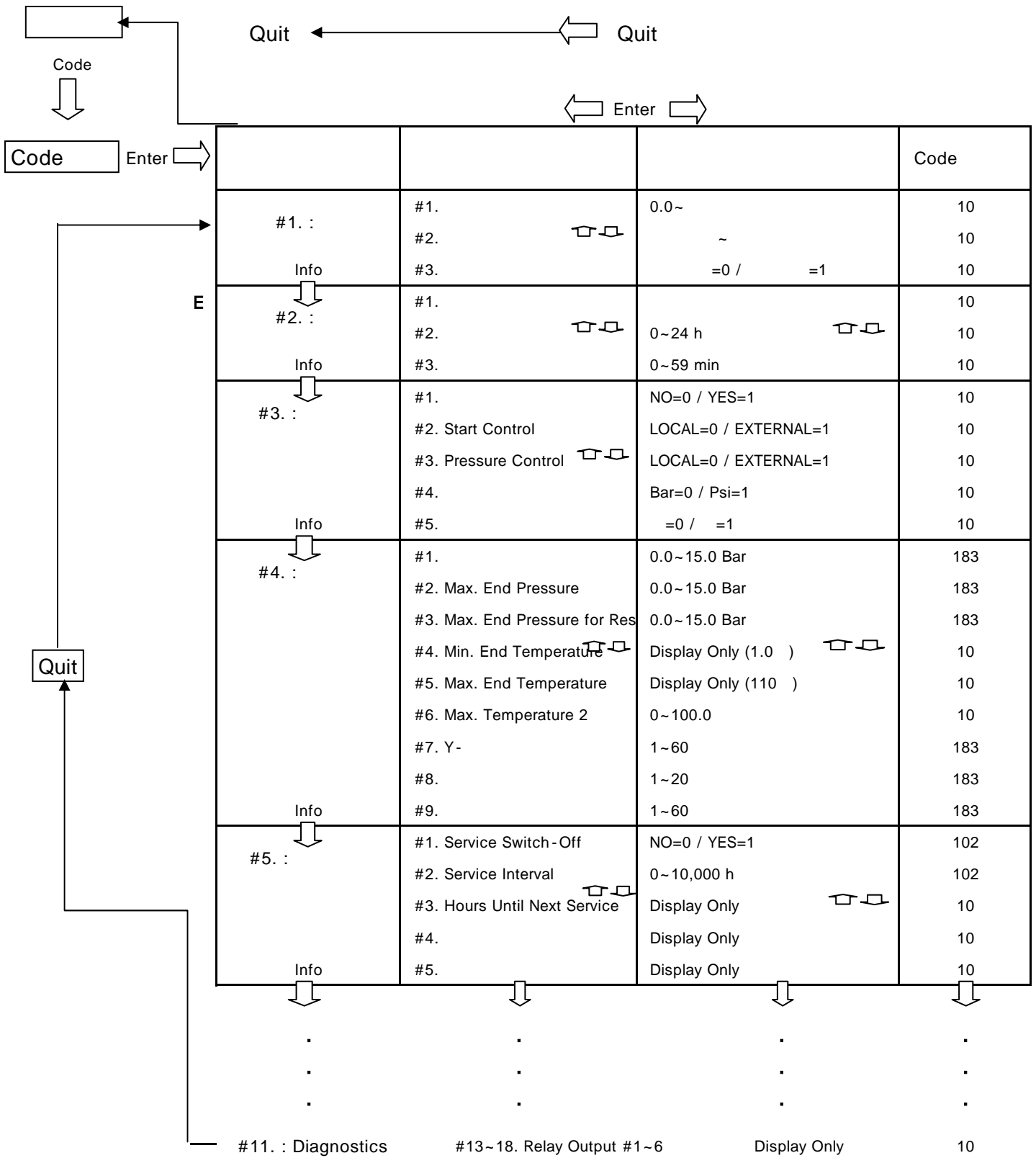


C.

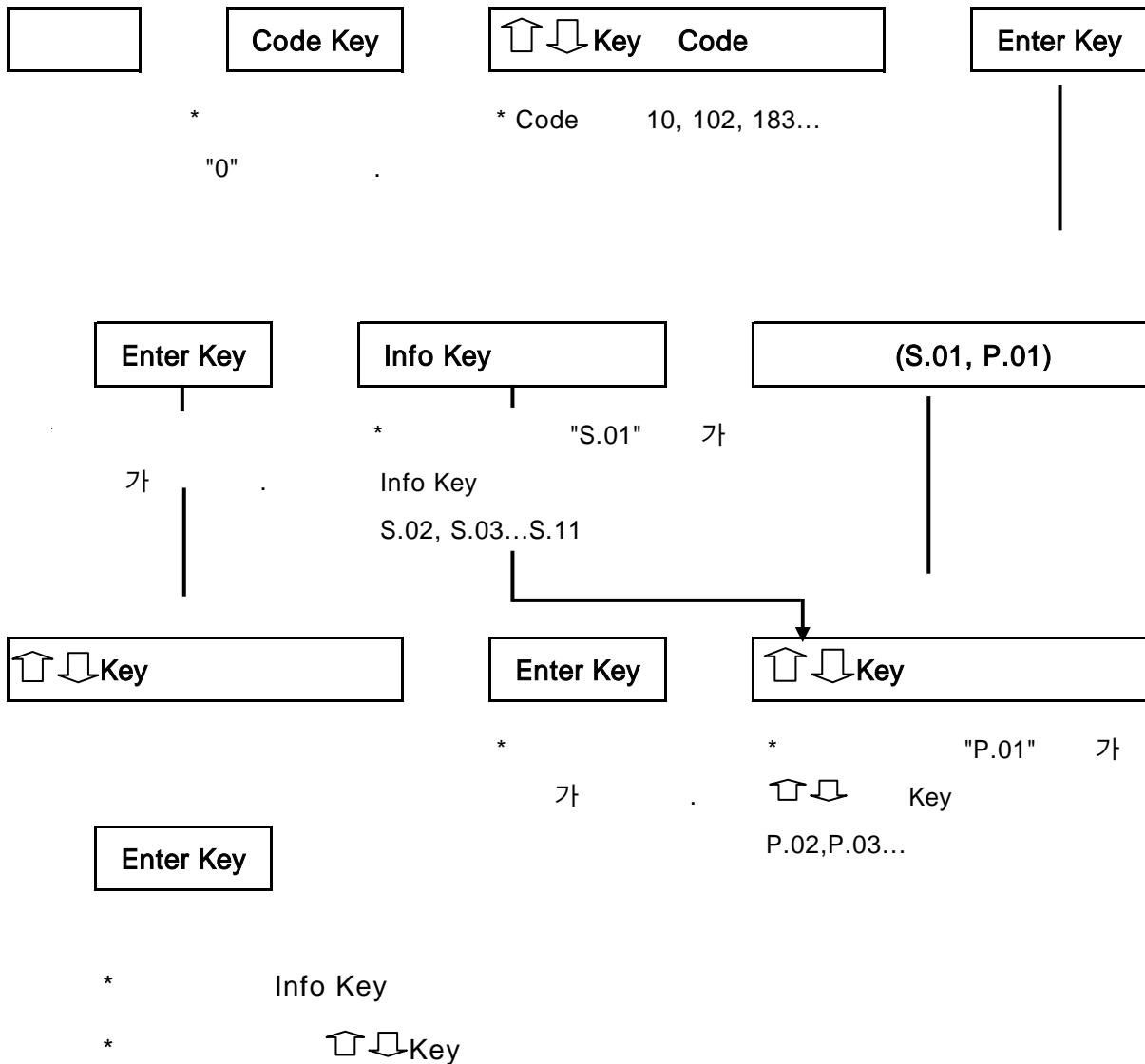


*

가








3-5. MODE



4.



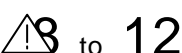


4-1. (Operation Status)

- 가















COMP'	Symbol	Text	
ready ()	LED		
Waiting ()	LED		가 ,
' , '	 , LED		, Y- ,
load ()	  LED		' ,
automatic	Automatic		
continuous	"Automatic" 가		
	Restart		가
			
			

4-2. (Warnings)

- , .

	Maintenance Interval Expired : #5, #1
	External Maintenance Message : 가 #8
	External Warning : 가 #8
	Warning : (110)
	Warning :

4-3. (Faults)

 1	N.F.B OFF
 2	
 3	LCD
 4	
 5	#1 ()
 6	#2 ()
 7	#1 ()
 8	#2
 9	#1 ()
 10	#2
 11	#1
 12	#2
 13	
 14	

, " Quit " Key

* LCD



가. 1
.
.
가 85% ()
.
.
. 2

가.
.
.
.

1.

)GTC

1

가

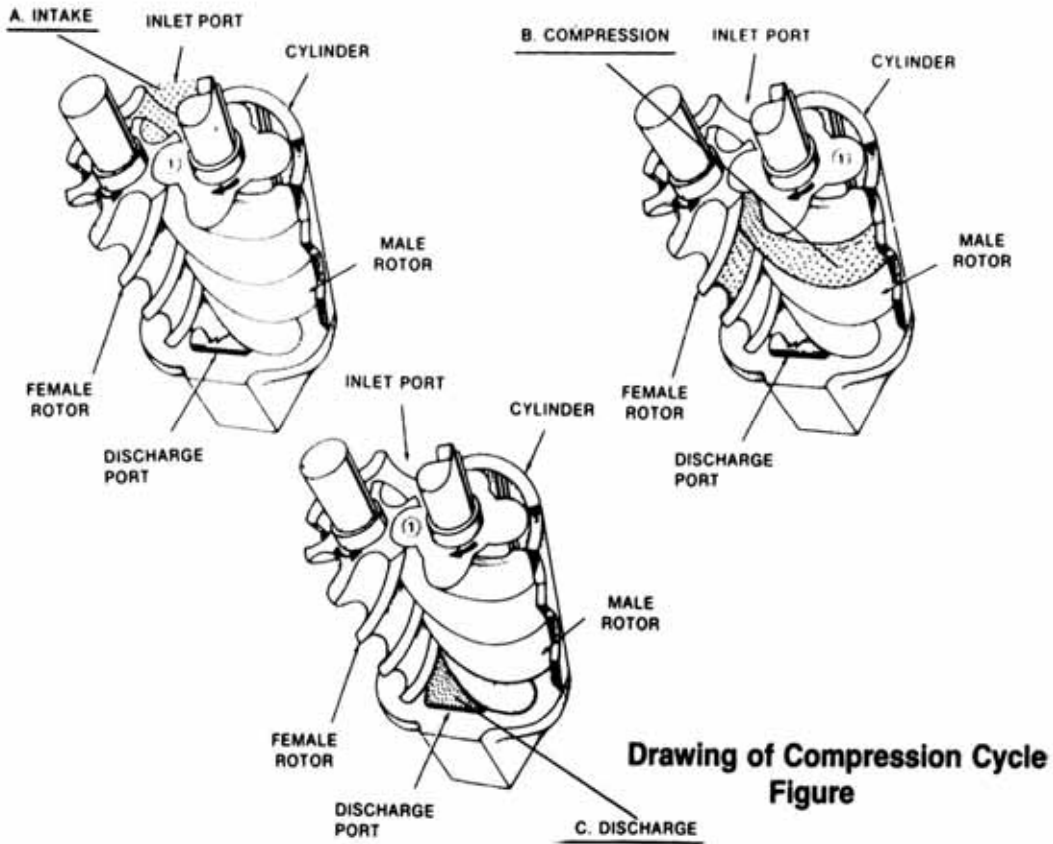
가

90

4

72

5



1-1

1-1

가

. (A-INTAKE)

가

. (B-COMPRESSION)

가

가

가

()

가

/

가

가

" - - "

가

,

2.

(1) AIR END

가 5x6 ,

가 . ,

가 .

(2) MOTOR

가

4

(3) AIR FILTER

가 , ,

(4) INTAKE VALVE

(5) OIL FILTER

(6) THERMAL VALVE

가 ,

() ,

3ppm 가

가 .

(8) M.P.V (MINIMUM PRESSURE VALVE)

가

(9) AIR/OIL COOLER & COOLING FAN

가

(10) SAFETY VALVE

가

(11) THERMO-SWITCH

가

(12) SOLENOID VALVE

/

3.

(1)

AIR-END

+15°C

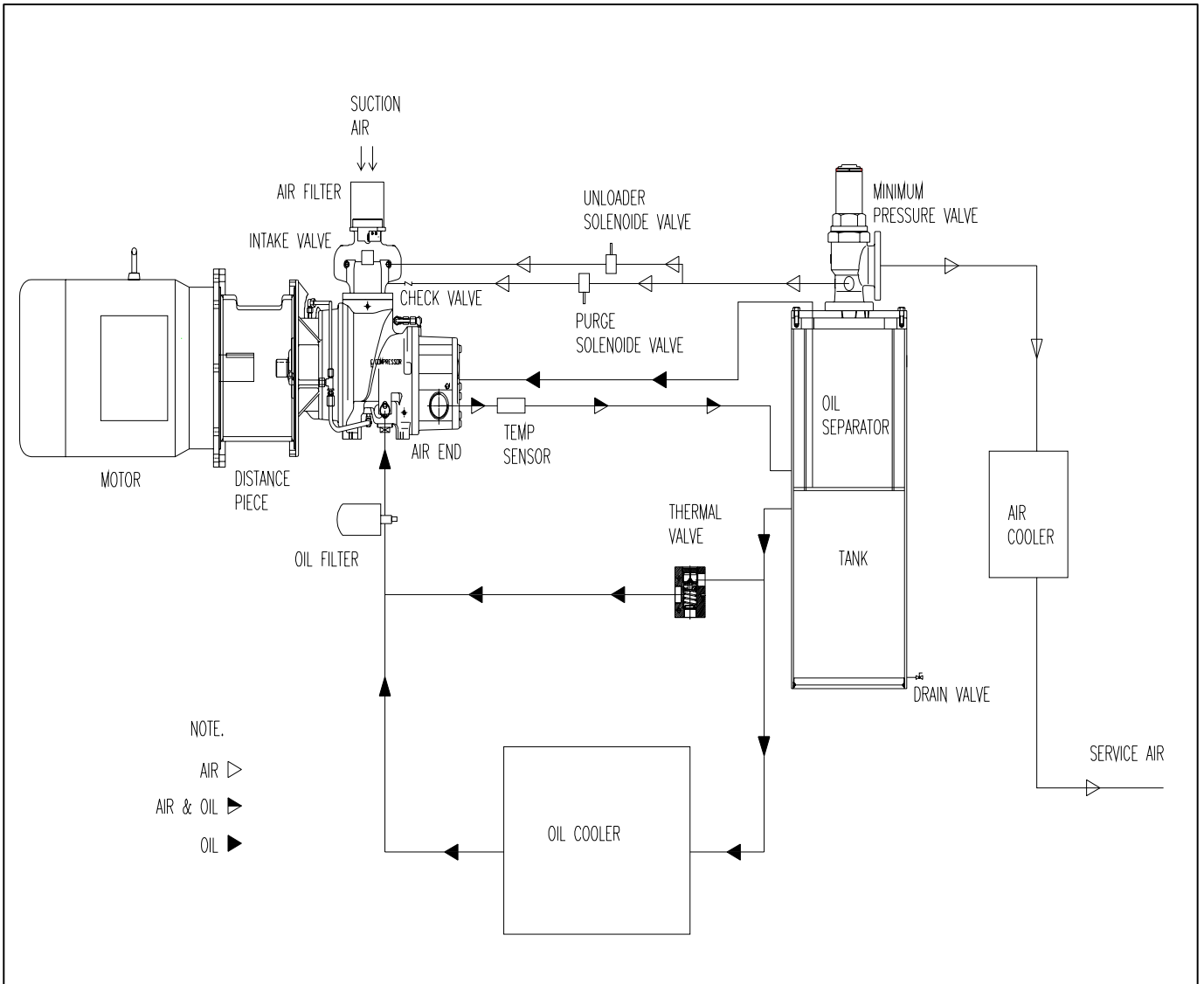
(2)

(3)

1.

(1)

INTAKE V/V HOLE TANK LINE 가
 2~3kgf/cm² 가 INTAKE V/V가



INTAKE V/V가 100% OPEN 4kgf/cm² LINE 가

(2) UNLOADING ()

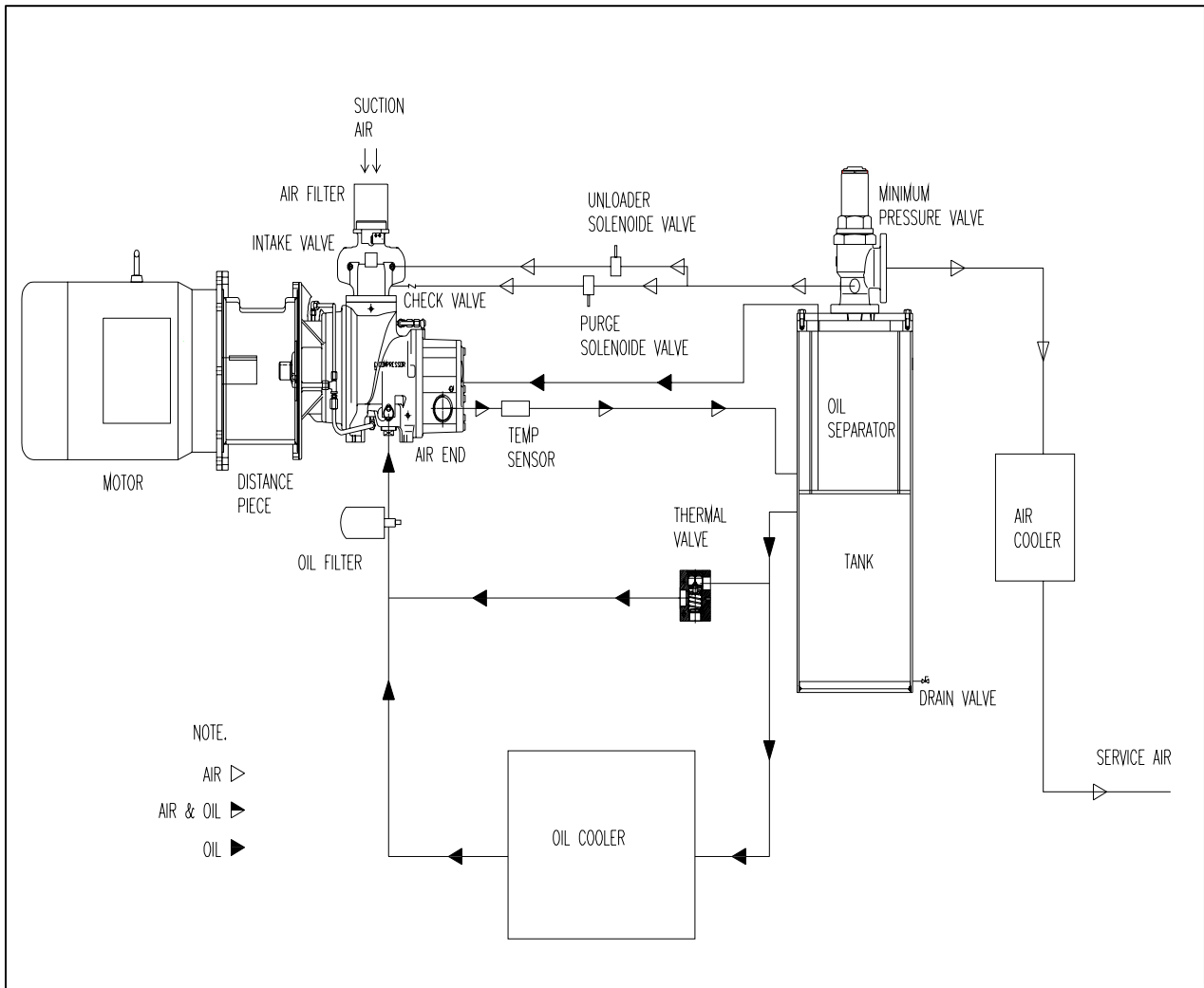
UNLOADING ()

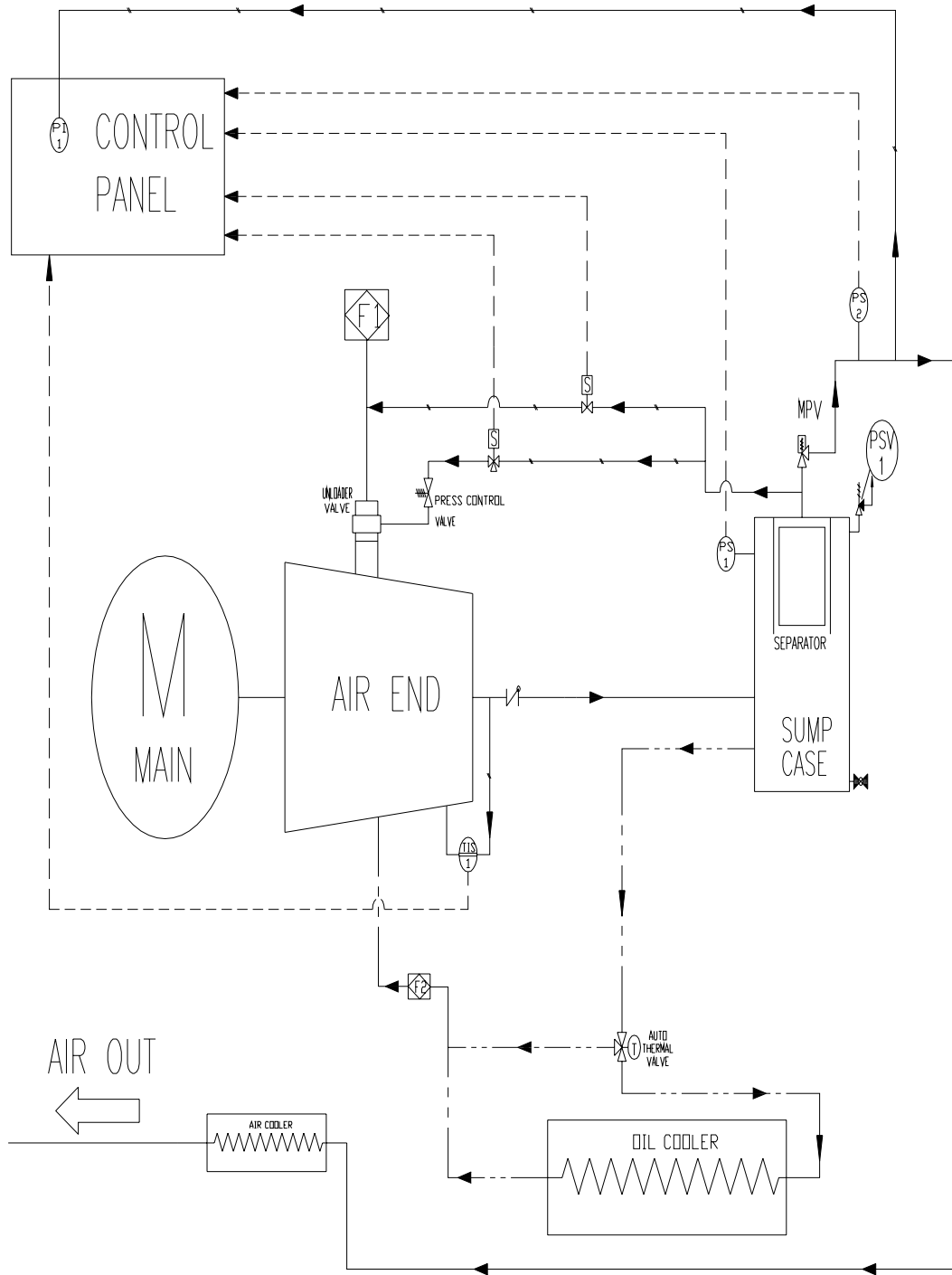
INTAKE V/V

RECEIVER TANK

PURGE


SERVICE LINE





SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	BALL VALVE		FILTER
	CHECK VALVE	—	MAIN AIR LINE
	SAFETY VALVE	— / —	CONTROL LINE
	SOLENOID VALVE	---	ELECTRIC LINE
	THERMO SENSOR	- - -	OIL LINE
	PRESSURE GAUGE		
	PRESSURE SENSOR		

(,)

	<p>OFF</p> <p>OFF</p> <p>OFF</p>
---	----------------------------------

1.

(1)

- A.
- B.

(2)

- A.
- B.
- C.
- D.
- E.
- F.
- E.

6 ,1 ,2 ,4

(3)

()

- A.
- B.

() 4

C.

2

가 가


12

D.

2.

: : :

		1 (10h)	1 (500h)	6 (3,000h)	1 (6,000h)	2 (12,000h)	4 (24,000h)	
	/							
	/							
	/							
	/							
	/							
()								1
								1
	/							
	/							
	/							
	/							
	/							
	/							
가								

 주의	, .
---	--------

3.

(1) 가

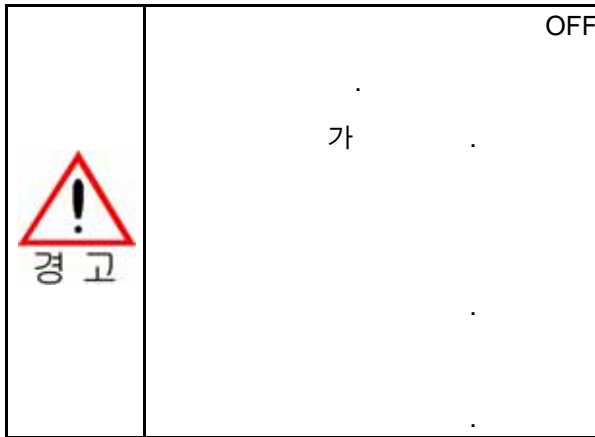


A.

8

B.

(2)



A.

B.

C.

(3)



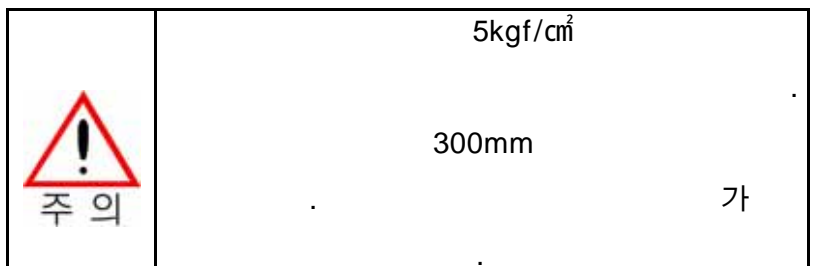
A.

()

B.

C.

D.



(4) ()



- A. .
- B. () ()
- C. .
(Carry-Over)가 .

(5)



- A. .
- B. 가 .

(6)



- A. .
- B. .

	가 .
---	-----

(7)




- A. 가 .
- B. , () .()
- 1 가 ,2 .)
- C. , .

(8)



- A. , ()
- B. , .
- C. , 1 (500)
- 6
- D. , TANK
- ,
- (1~2)
- E. , .
- ,
- F. , .
- ,
- . (4~5)
- G. , .

ISO	ISO VG 32	
	0.753	@15°C
	-36°C	
	+234°C	

 경고	가 A/S
---	--------------

(9)



A. 1 (500)

, 6 .

6 .

B. , .

C. .

가 3/4 .

(10)



A. .

B. .

C. .


가 . 가

가

(4) 가

. 가

가

 주의	, 가 .
---	------------------

(11)

- A. 500 가 .
2000 KOZEN 6228 5000
가
- B. 가 ,
- C. * . (- - ,
)
* .
* . (가)
- D. * ,
가 .

1.



1	START 가
---	------------

TRIP (Red Light) ?	가
--------------------------	---

YES

--

NO

?

--

NO

YES

MCB() ?	(ONO)
-------------	-------

--

NO

YES

MCB() ONO .

2	가
---	---

?

NO

--

YES

?

YES

--

NO

가 A/S



3	가
---	---

TRIP 가
(49M2)가
?

YES

NO

TRIP 가
(49M1)가
?

YES

NO

TRIP 가
DISCHARGE
TEMP HIGH 가 ?

YES

NO

A/S

4	
---	--

?

NO

YES

가 ?

YES

NO

?

YES

NO

?

NO

YES

, ,
?

YES

NO

A/S



5	
---	--

?	NO
---	----

--

YES

?	NO
---	----

--

YES

가 ?	NO
--------	----

--

YES

?	NO
---	----

--

YES

/ ?	NO
-----	----

--

YES



(leakage)가 ?	YES
--------------	-----


--



NO

6	
---	--


A/S

7			
			
	(1)		
	(2)		
	(3)		
	 경고		


8	/			
				
	(1)			
	(2)	가		
	(3)	가	A/S	

9					
		가			
		7bar	9bar	12bar	14.5bar
		9.9bar	12.5bar	14.5bar	17.5bar
	(1)	A/S			
	 주의				

10			
			
		(1)	
		A/S	

11			ON/OFF /
		(1)	
		A/S	
		(2)	

12			가
		(1)	가

13			가
			/
		(1)	가
		(2)	A/S

2.

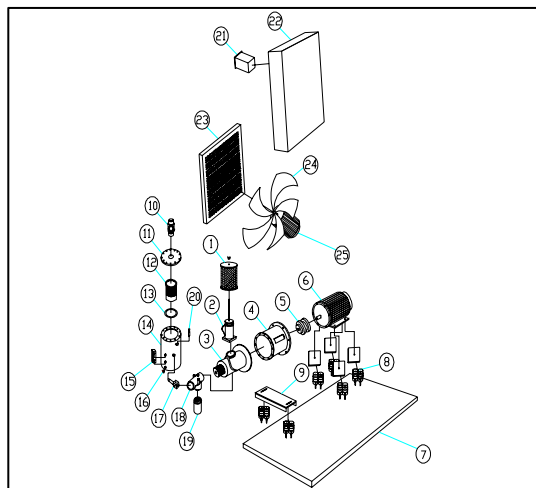
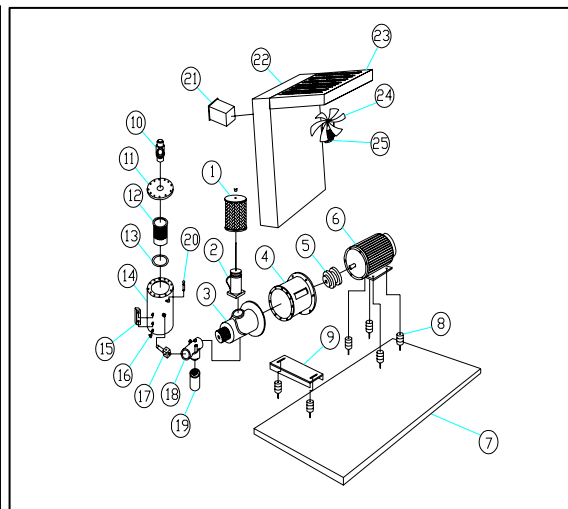
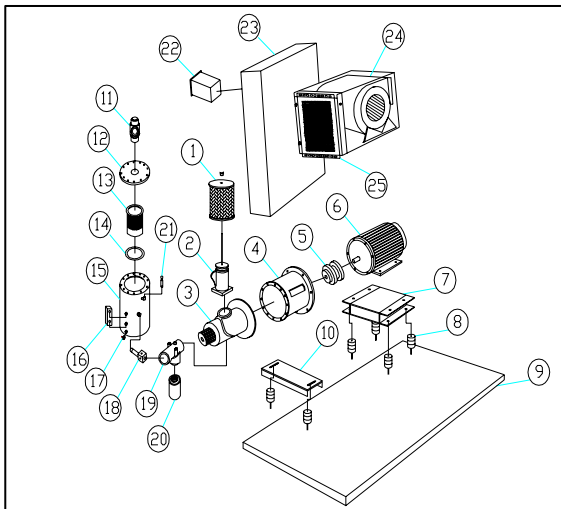
		1. 2. , A/S .
		1. 2. 3. , A/S .
		1. 2. , A/S
		1. 40°C . 2. , . 3. . 4. 5. . 6. , A/S .
		1. & . 2. , A/S .
		.
		1. 2. 3. , A/S .
		1. 40°C . 2. , . 3. . 4. 5. . 6. , A/S .

		A/S
	/	, ,
,		1.
		2. , A/S
		1. , A/S
		2. &
		, A/S .
		1. &
		2. , A/S
		, A/S
		, A/S
	1. , .	
	2. , A/S .	



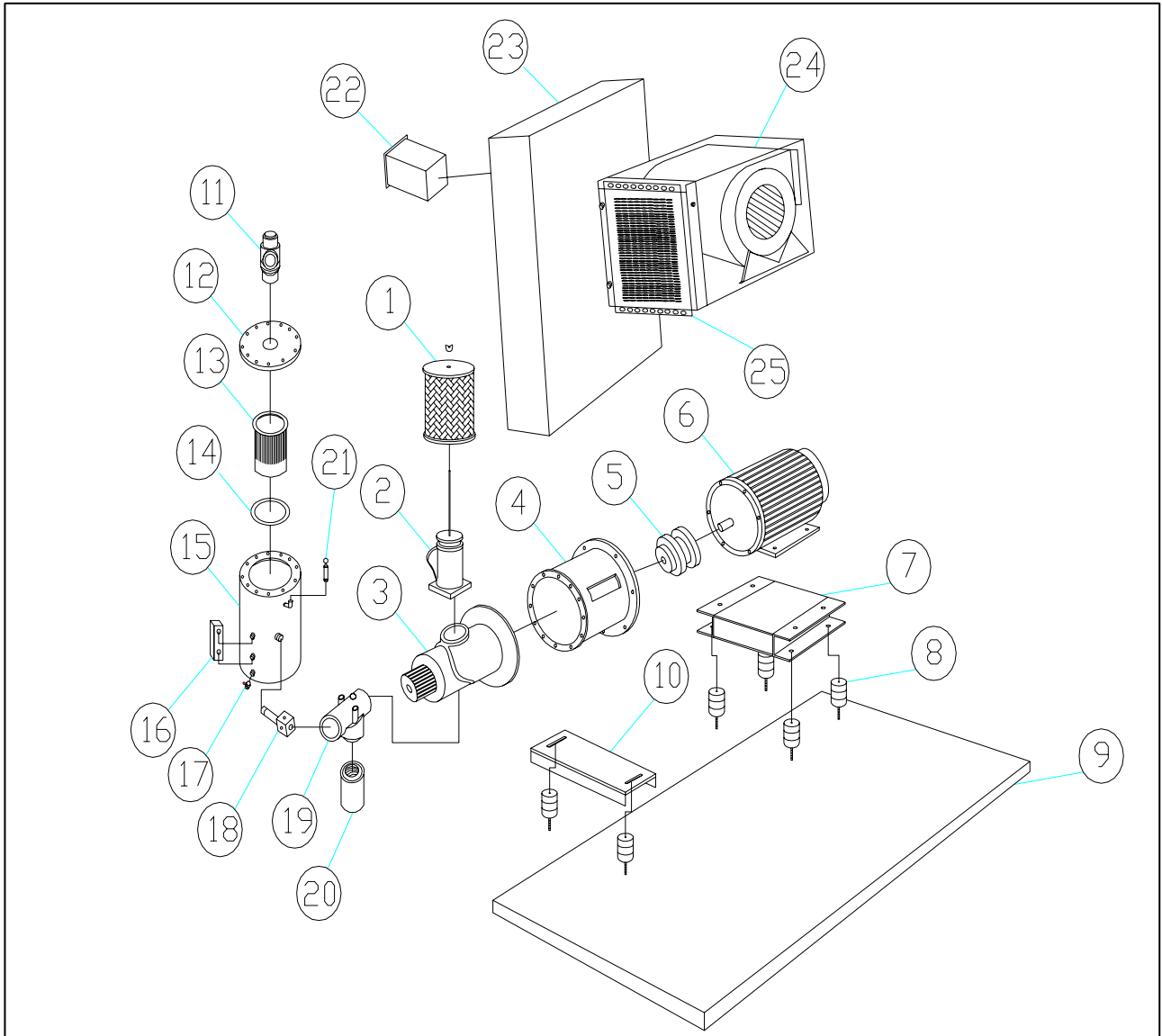
Air Compressor

SSC Series
Spare Parts List



1. SSC -30A ~ 60A.....	52
2. SSC -75A ~ 350A.....	64

1, 30~60 HP



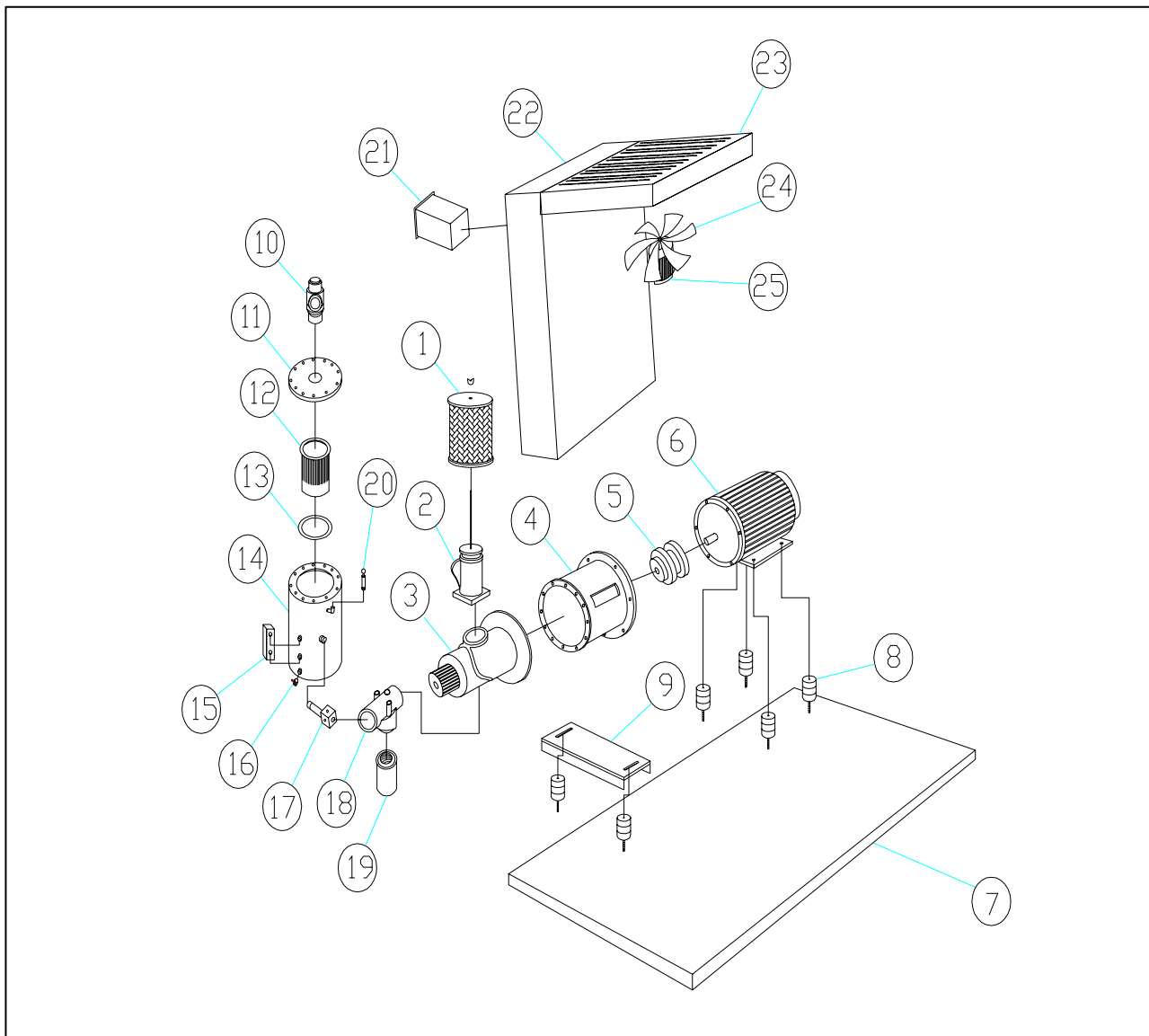
SSC - 30A, 50A, 60A

1 - 1, 30~60 HP

No.	Parts No.	Parts Name	Q'ty	Remarks
1	GT50001	SUCTION FILTER	1	
2	GT50002	INTAKE VALVE	1	
3	GT50003	AIR END	1	
4	GT50004	DISTANCE PIECE	1	
5	GT50005	COUPLING	1	
6	GT50006	MOTOR	1	
7	GT50007	MOTOR BRACKET	1	
8	GT50008	VIBRATION ISOLATOR	6	
9	GT50009	BASE	1	
10	GT50010	AIR END BRACKET	1	
11	GT50011	MINIMUM PRESSURE VALVE	1	
12	GT50012	TANK COVER	1	
13	GT50013	OIL SEPARATOR	1	
14	GT50014	GASKET	1	
15	GT50015	RECEIVER TANK	1	
16	GT50016	OIL LEVEL GAUGE	1	
17	GT50017	DRAIN VALVE	1	
18	GT50018	THERMOSTAT VALVE	1	
19	GT50019	OIL FILTER HEAD	1	
20	GT50020	OIL FILTER ASS'Y	1	
21	GT50021	SAFTY VALVE	1	
22	GT50022	LCD CONTROLLER	1	
23	GT50023	CONTROL PANEL	1	
24	GT50024	COOLING FAN	1	
25	GT50025	COOLER	1	

SSC - 30A, 50A, 60A

1, 75 ~ 250 HP

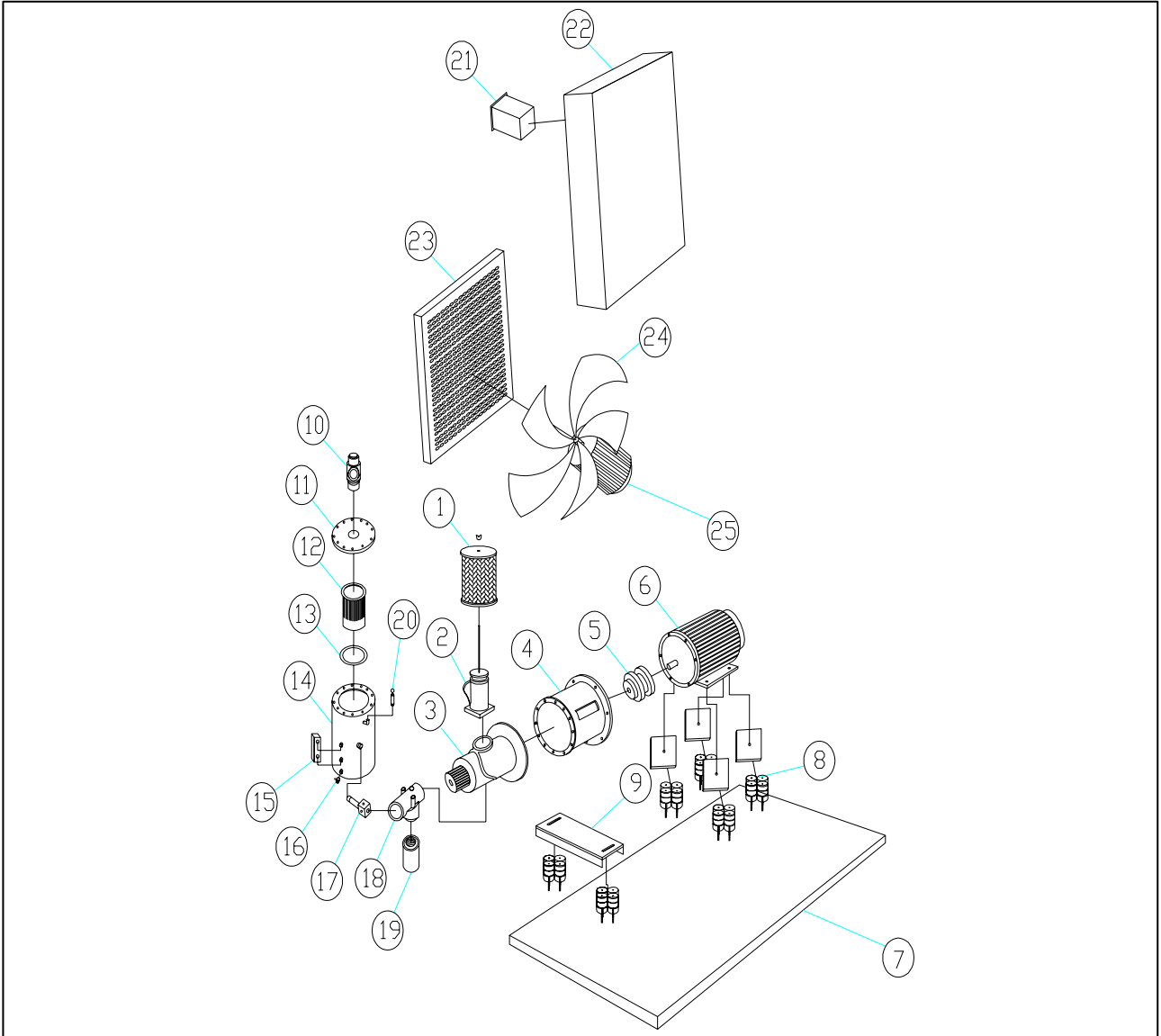


SSC - 75A, 100A, 150A, 200A, 250A,

1-1, 75 ~ 250 HP

No.	Parts No.	Parts Name	Q'ty	Remarks
1	GT12001	SUCTION FILTER	1	
2	GT12002	INTAKE VALVE	1	
3	GT12003	AIR END	1	
4	GT12004	DISTANCE PIECE	1	
5	GT12005	COUPLING	1	
6	GT12006	MOTOR	1	
7	GT12007	BASE	1	
8	GT12008	VIBRATION ISOLATOR	6	
9	GT12009	AIR END BRACKET	1	
10	GT12010	MINIMUM PRESSURE VALVE	1	
11	GT12011	TANK COVER	1	
12	GT12012	OIL SEPARATOR	1	
13	GT12013	GASKET	1	
14	GT12014	RECEIVER TANK	1	
15	GT12015	OIL LEVEL GAUGE	1	
16	GT12016	DRAIN VALVE	1	
17	GT12017	THERMAL VALVE	1	
18	GT12018	OIL FILTER HEAD	1	
19	GT12019	OIL FILTER ASS'Y	1	
20	GT12020	SAFTY VALVE	1	
21	GT12021	LCD CONTROLLER	1	
22	GT12022	CONTROL PANEL	1	
23	GT12023	COOLER	1	
24	GT12024	COOLING FAN	1	
25	GT12025	FAN MOTOR	1	

SSC - 75A, 100A, 150A, 200A, 250A,

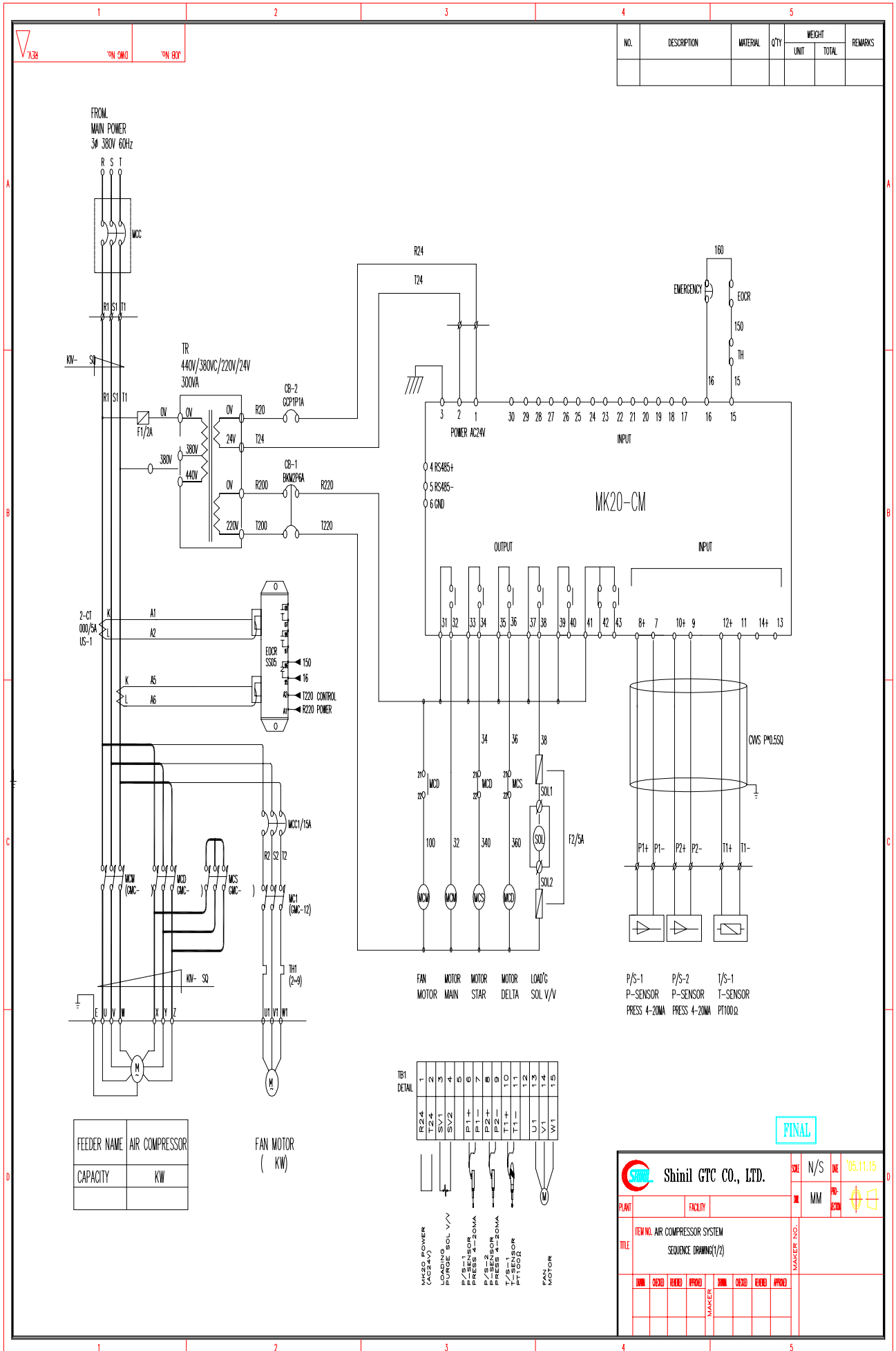


SSC - 300A, 350A

1 - 1, 300HP ~

No.	Parts No.	Parts Name	Q'ty	Remarks
1	GT12001	SUCTION FILTER	1	
2	GT12002	INTAKE VALVE	1	
3	GT12003	AIR END	1	
4	GT12004	DISTANCE PIECE	1	
5	GT12005	COUPLING	1	
6	GT12006	MOTOR	1	
7	GT12007	BASE	1	
8	GT12008	VIBRATION ISOLATOR	6	
9	GT12009	AIR END BRACKET	1	
10	GT12010	MINIMUM PRESSURE VALVE	1	
11	GT12011	TANK COVER	1	
12	GT12012	OIL SEPARATOR	1	
13	GT12013	GASKET	1	
14	GT12014	RECEIVER TANK	1	
15	GT12015	OIL LEVEL GAUGE	1	
16	GT12016	DRAIN VALVE	1	
17	GT12017	THERMAL VALVE	1	
18	GT12018	OIL FILTER HEAD	1	
19	GT12019	OIL FILTER ASS'Y	1	
20	GT12020	SAFTY VALVE	1	
21	GT12021	LCD CONTROLLER	1	
22	GT12022	CONTROL PANEL	1	
23	GT12023	COOLER	1	
24	GT12024	COOLING FAN	1	
25	GT12025	FAN MOTOR	1	

SSC - 300A, 350A



NO.	DESCRIPTION	MATERIAL	QTY	WEIGHT		REMARKS
				UNIT	TOTAL	

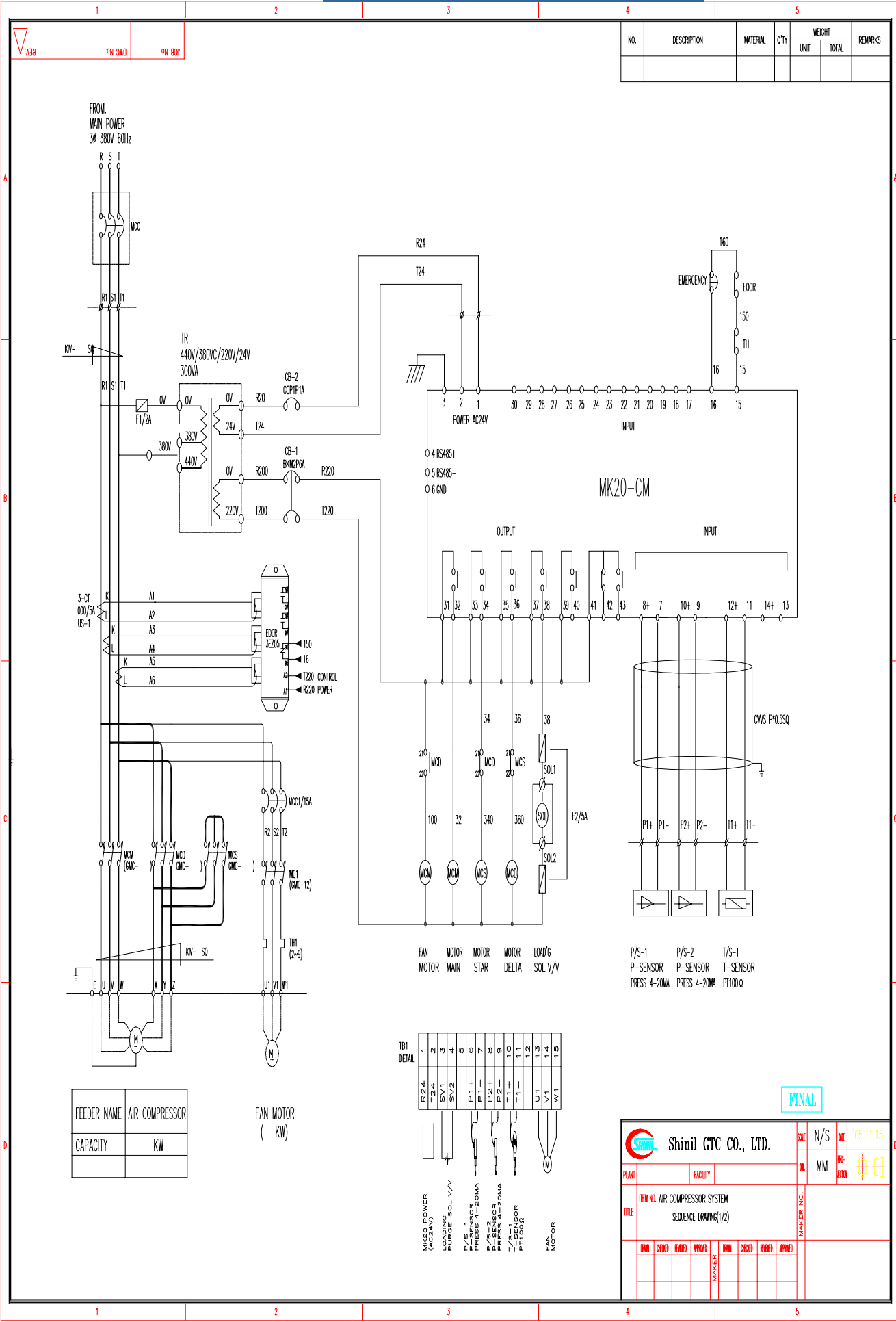
FEEDER NAME	AIR COMPRESSOR
CAPACITY	KW

FAN MOTOR
(KW)

TE1 DETAIL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	R24	T24	SV1	SV2	P/S-1	P/S-2	T/S-1	FAN MOTOR							
	MK20 POWER (AC24V)	LOADING PURGE SOL V/V	P/S-1 PRESS 4-20MA	P/S-2 PRESS 4-20MA	T/S-1 PRESS PT100Ω										

FINAL

Shinil GTC CO., LTD.		DATE	N/S	REV	'05.11.15
PLANT	FACILITY	MM	PM	SCM	
ITEM NO. AIR COMPRESSOR SYSTEM		MAKER NO.			
TITLE					
SEQUENCE DRAWING(1/2)					



NO.	DESCRIPTION	MATERIAL	QTY	WEIGHT		REMARKS
				UNIT	TOTAL	

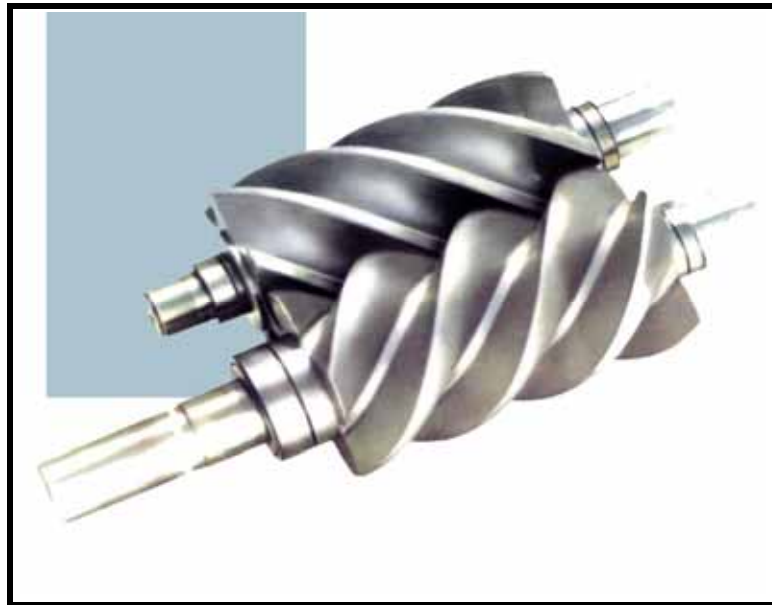
FEEDER NAME	AIR COMPRESSOR
CAPACITY	KW

FAN MOTOR (KW)

TB1 DETAIL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
WATER POWER (AC24V)	R24	T24	SV2	SV1	P/S-1	P/S-2	P/S-2	P/S-2	P/S-2	T/S-1	T/S-1	J1	V1	V1	V1
LOADING PURGE SOL V/V															
P/S-1 P-SENSOR															
P/S-2 P-SENSOR															
P/S-2 P-SENSOR															
T/S-1 T-SENSOR															
FAN MOTOR															

FINAL

		SIZE	N/S	DATE	'05.11.15
PLANT	FACILITY	MM			
ITEM NO. AIR COMPRESSOR SYSTEM TITLE SEQUENCE DRAWING(1/2)					
DRW	CHKD	ENGR	APPROV	DRW	CHKD
MAKER					



주식회사 지티씨

<http://www.GasComp.kr>

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