

Technical drawing of a motor assembly, showing front and top views, and shaft details.

Front View Dimensions:

- Overall width: 297.5
- Overall height: 250
- Internal width: 115.5
- Internal height: 180
- Flange width: 70
- Flange thickness: 4
- Flange hole diameter: $\phi 230$
- Flange hole pitch diameter: PCD $\phi 215$
- Flange hole diameter: $\phi 180$
- Flange hole pitch diameter: PCD $\phi 215$

Top View Dimensions:

- Overall width: 270
- Overall height: 284
- Internal width: 135
- Internal height: 135
- Flange hole diameter: $\phi 230$
- Flange hole pitch diameter: PCD $\phi 310$
- Flange hole diameter: $\phi 180$
- Flange hole pitch diameter: PCD $\phi 215$

Shaft Details:

- INPUT SHAFT:** Diameter $\phi 28f7^{+0.041}_{+0.032}$, length 31.3, key width 8.
- OUTPUT SHAFT:** Diameter $\phi 40h6^{-0.016}_{-0.018}$, length 35, key width 12.

Tables:

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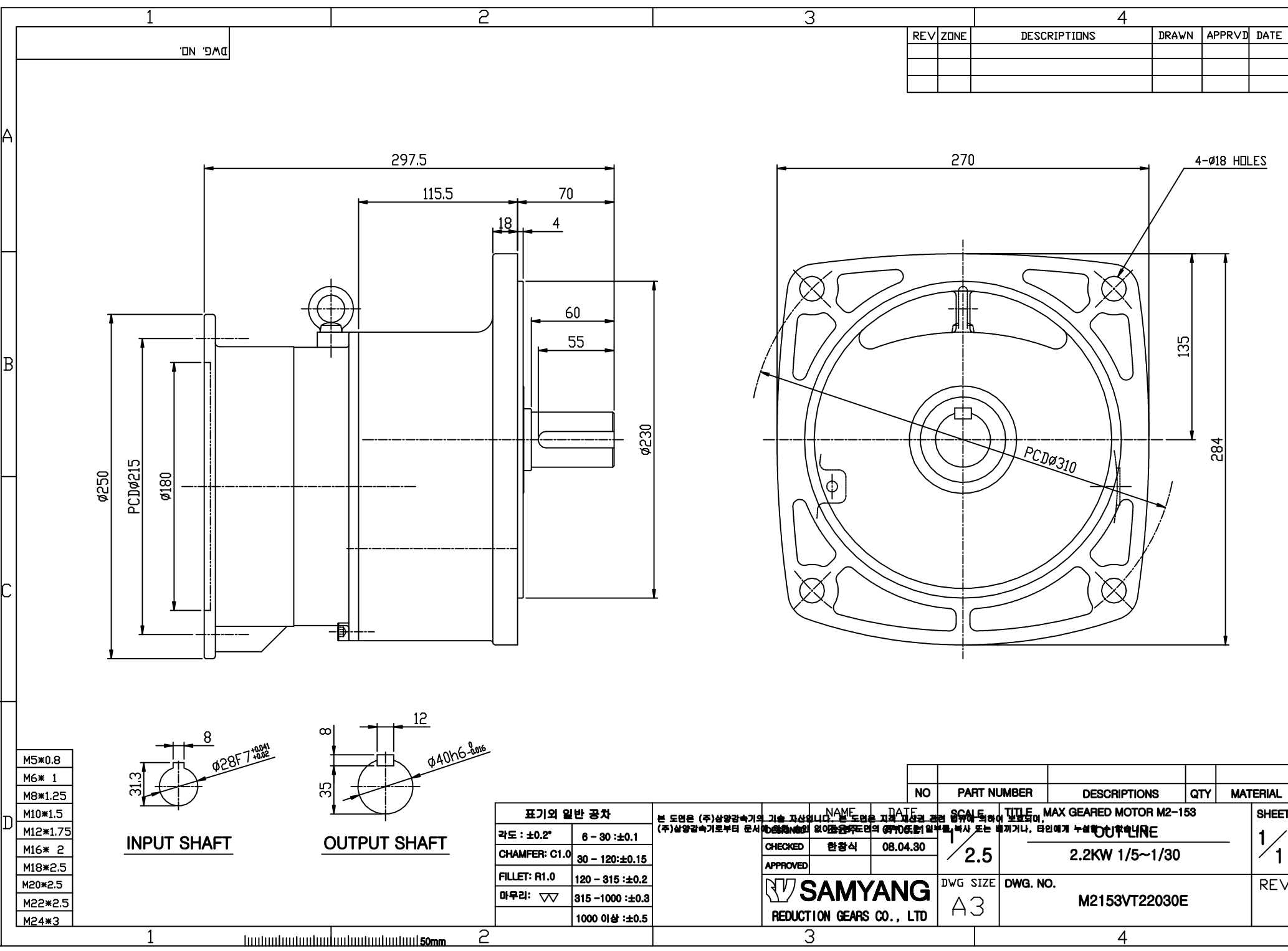
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Technical drawing of a motor assembly, showing front and top views with dimensions and specifications.

Dimensions:

- Overall width: 297.5
- Overall height: 270
- Internal width: 115.5
- Internal height: 135
- Shaft diameter: $\phi 250$
- Shaft length: 70
- Shaft hole diameter: $\phi 180$
- Shaft hole PCD: $\phi 215$
- Shaft hole PCD: $\phi 310$
- Shaft hole diameter: $\phi 28F7^{+0.041}_{+0.032}$
- Shaft hole diameter: $\phi 40h6^{-0.016}_{-0.018}$
- Shaft hole diameter: $\phi 230$
- Shaft hole diameter: $\phi 18$
- Shaft hole diameter: $\phi 4$
- Shaft hole diameter: $\phi 60$
- Shaft hole diameter: $\phi 55$
- Shaft hole diameter: $\phi 31.3$
- Shaft hole diameter: $\phi 35$

Specifications:

- Input Shaft: $\phi 28F7^{+0.041}_{+0.032}$
- Output Shaft: $\phi 40h6^{-0.016}_{-0.018}$
- Material: M5*0.8, M6*1, M8*1.25, M10*1.5, M12*1.75, M16*2, M18*2.5, M20*2.5, M22*2.5, M24*3
- Scale: 2.5
- Sheet: 1/1
- Revision: 1

Notes:

- 표기외 일반 공차
- 각도: $\pm 0.2^\circ$
- CHAMFER: C1.0
- FILLET: R1.0
- 마무리: ∇

Table 1: Specifications

NO	PART NUMBER	DESCRIPTIONS	QTY	MATERIAL
1	MAX GEARED MOTOR M2-153	OUTLINE		
2	2.2KW 1/5~1/30			
3	M2153VT22030E			

Table 2: General Information

NAME	DATE	SCALE	TITLE
한광식	08.04.30	2.5	MAX GEARED MOTOR M2-153

Table 3: Assembly Details

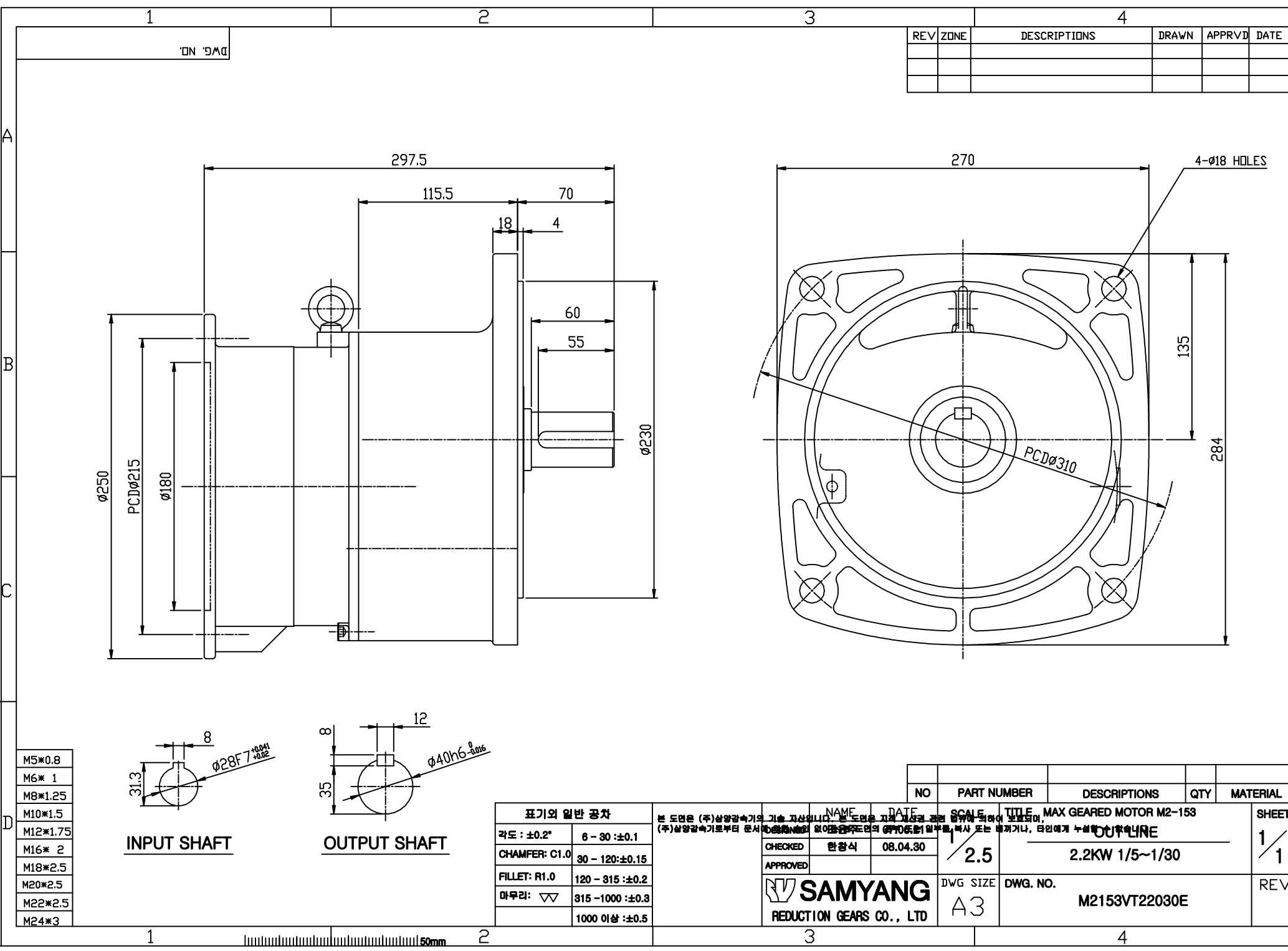
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2	2.2KW 1/5~1/30			
3	M2153VT22030E			

Table 4: General Information

NAME	DATE	SCALE	TITLE
한광식	08.04.30	2.5	MAX GEARED MOTOR M2-153

Table 5: Assembly Details

NO	PART NUMBER	DESCRIPTIONS	QTY	MATERIAL
1	MAX GEARED MOTOR M2-153	OUTLINE		
2	2.2KW 1/5~1/30			
3	M2153VT22030E			

[illegible]

1

DWG. NO.

2

3

4

REV	ZONE	DESCRIPTIONS	DRAWN	APPRVD	DATE

A

B

C

D

297.5
115.5
70
18
4
60
55
Ø230
Ø250
PCD Ø215
Ø180
270
135
284
4-Ø18 HOLES
PCD Ø310

INPUT SHAFT

OUTPUT SHAFT

M5*0.8
M6* 1
M8*1.25
M10*1.5
M12*1.75
M16* 2
M18*2.5
M20*2.5
M22*2.5
M24*3

표기와 일반 공차	
각도 : ±0.2°	6 - 30 : ±0.1
CHAMFER: C1.0	30 - 120 : ±0.15
FILLET: R1.0	120 - 315 : ±0.2
마무리: ▽	315 - 1000 : ±0.3
	1000 이상 : ±0.5

본 도면은 (주)삼양감속기 기술 재산입니다. 본 도면을 지적 재산권 관련 법규에 의하여 보호되며 (주)삼양감속기로부터 문서 사용허락 없이 제3자에게의 배포 또는 외부로의 복사 또는 제거가, 당인에게 누설할 수 있습니다.

NO	PART NUMBER	DESCRIPTIONS	QTY	MATERIAL
		MAX GEARED MOTOR M2-153		
		OUTLINE		
		2.2KW 1/5~1/30		

SAMYANG
REDUCTION GEARS CO., LTD

DWG SIZE A3

DWG. NO. M2153VT22030E

SHEET 1 / 1

REV

[illegible]

1

DWG. NO.

2

3

4

REV	ZONE	DESCRIPTIONS	DRAWN	APPRVD	DATE

A

B

C

D

Front View Dimensions:
Total width: 297.5
Distance from center to mounting hole: 115.5
Mounting hole diameter: Ø18
Flange thickness: 4
Shaft diameter: Ø230
Internal features: 60, 55, 70

Top View Dimensions:
Outer square frame: 270 x 284
Inner circle PCD: Ø310
Holes: 4-Ø18 HOLES
Square feature side: 135

Input Shaft Details:
Diameter: Ø28F7^{+0.041}/_{-0.042}
Length: 31.3
Keyway: 8

Output Shaft Details:
Diameter: Ø40h6^{-0.016}/_{-0.018}
Length: 35
Keyway: 12

INPUT SHAFT

OUTPUT SHAFT

표기와 일반 공차	
각도 : ±0.2°	6 - 30 : ±0.1
CHAMFER: C1.0	30 - 120 : ±0.15
FILLET: R1.0	120 - 315 : ±0.2
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	1000 이상 : ±0.5

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NAME	DATE	SCALE	TITLE
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CHECKED	한광식	08.04.30	OUTLINE
APPROVED			2.2KW 1/5~1/30

SAMYANG
REDUCTION GEARS CO., LTD

DWG SIZE A3

DWG. NO. M2153VT22030E

SHEET 1 / 1

REV

1

2

3

4

50mm

Technical drawing of a motor assembly, showing front and top views, and shaft details.

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- Internal height: 180
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