


TRANSMITTAL OF MITSUBISHI HIGH SPEED DIESEL ENGINE DOCUMENT

ORDERED BY

CUSTOMER

| | PART NAME | PART No. | FOR APPR. | | FOR APPR. | | FOR APPR. | | | | | | ENGINE TYPE S4K-DT65SAG |
|----|---------------------------|---------------|-----------|---|-----------|---|-----------|---|---|---|---|---|--|
| | | | N | D | N | D | N | D | N | D | N | D | |
| 1 | S4K-DT65SAG SPEC. | SPC-S4K-T-250 | P | A | P | B | P | C | | | | | A: First offer B: Update of specific fuel consumption value C: Addition of China Emission Regulation Label (Export Only Label) |
| 2 | S4K-DT65SAG ENG ASSY | 34200-01740 | P | A | P | B | | | | | | | |
| 3 | S4K-DT65SAG ENG ASSY | 34200-01741 | | | | | P | C | | | | | |
| 4 | ACCESSORIES (WITH ENGINE) | | P | A | P | B | P | C | | | | | |
| 5 | | | | | | | | | | | | | |
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| 28 | | | | | | | | | | | | | B |
| 29 | | | | | | | | | | | | | |
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| 31 | | | | | | | | | | | | | A |
| 32 | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | DATE |
| 34 | | | | | | | | | | | | | APPROVED |
| 35 | | | | | | | | | | | | | CHECKED BY |
| | | | | | | | | | | | | | CC |
| | | | | | | | | | | | | | ORDER |


 T. Hirose
 Mar. 14. 2016
 ref. spec.
 A. Izaka
 Sep. 12. 2012
 ref. spec.
 A. Izaka
 Jun. 30. 09
 ref. spec.

SPECIFICATIONS

Used for 60kVA generator

**MITSUBISHI HIGH SPEED DIESEL ENGINE
MODEL MITSUBISHI S4K-DT65SAG Δ**

(For GENERATOR OEM, 1500rpm)

**APPLICATION
FOR APPROVAL**



PLEASE RETURN AFTER APPROVAL

| APPROVED | | REMARKS | | |
|--|---------------|-----------------|-------------------|---------|
| DATE · SIGNATURE | | | | |
| DATE Jun. 30. 2009 MITSUBISHI HEAVY INDUSTRIES, LTD. | | | | |
| CHG | DATE | APPROVED | CHECKED | DRAWN |
| Δ | Mar. 14. 2016 | <i>H. Iwano</i> | <i>H. Komatsu</i> | T.Igusa |
| Δ | Sep. 12. 2012 | | | |

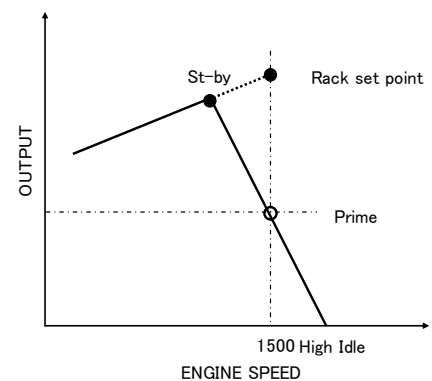
| | |
|---|---------|
| P | サ技 |
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| P | E保 |
| P | 小E作 |
| P | MHIES-A |
| | PDF |
| 1 | 控 |
| 1 | 計 |

P:PDF配布

1. Principal Particulars of Diesel Engine

General Specification

| | |
|---|---|
| Standard | All items, unless otherwise specified, are in accordance with JIS and maker's standards |
| Model | Mitsubishi S4K-T |
| △ ₁ | S4K-DT65SAG |
| △ ₁ △ ₂ | MHI No. 34200-01741 (1/2-CHG0, 2/2-CHG0) |
| Application | Generator |
| △ ₂ Regulations | National Standard of the People's Republic of China GB20891-2014 Export Only engine family; G3MVXLL0425KTZ (engine type; KTZ-S4K-PA1) |
| Type | 4 cycle water-cooled, vertical overhead valve, cylinder in line, direct injection type |
| Number of cylinders | 4 |
| Bore × Stroke | 102mm × 130mm |
| Piston displacement | 4.249 liters |
| Compression ratio | 17 : 1 |
| Rotation | Anti-Clockwise rotation as viewed from flywheel side |
| Firing order | 1-3-4-2 |
| Engine weight(Dry) | Approx. 350kg |
| Dimensions(Length) | Approx. 894mm |
| (Width) | Approx. 741mm |
| △ ₂ (Height) | Approx. 938mm |
| Inclination(Continuous) | Max.15° |
| (Temporary) | Max.15° |
| Fuel | ASTM diesel fuel oil No.2-D(JIS K2204 gas oil specification No.2 or 3) |
| Lubricating oil | API classification service CF,CF-4 or CH-4 class |
| Output(Without fan) | Spec.Rating Breaking in around 50hr |
| Rated speed | 1500rpm St-by ; 59.7kW Prime ; 54.7kW |
| Rack set point | 59.7kW/1500rpm (With Fan St-by;59kW) (With Fan Prime,54kW) |
| Rating tolerance | ±5% of nominal |
| Low Idle | 1000±20rpm |
| High Idle | 1583(0/-20)rpm |
| △ ₂ Rating conditions(Without fan) | ISO 15550 Total barometric pressure : 100kPa Air temperature : 298K Relative humidity : 30% |
| Fuel consumption | Approx. 235g/kW·h at Prime output and standard air conditions(Without fan) |
| △ ₁ | |
| △ ₁ Oil consumption | Approx.0.1~0.3% of fuel consumption<Reference value>@ Full load, Rated speed |



| | |
|-------------------------|--|
| Fuel injection timing | 20°BTDC |
| Mean effective pressure | 1.03MPa{ 10.5kgf/cm ² } at Prime(Without fan) |
| Piston speed | 6.5m/s at 1500rpm |

Fuel system

| | |
|-----------------------|-----------------------------|
| Fuel injection pump | In-Line type |
| Fuel injection nozzle | Multi-Hole type |
| Governor | Mechanical centrifugal type |
| Fuel filter | Filtering paper type |
| Fuel pump | Yes(Engine attached) |

Lubricating system

| | |
|------------------------|--|
| Lubricating system | Forced lubrication by gear pump |
| Lubricating oil filter | Filtering paper type, full flow |
| Oil pressure | 0.2~0.4MPa{ 2~4kgf/cm ² } at duty run 0.1MPa{ 1kgf/cm ² } min. at low idling |
| Oil capacity | Approx. 13.0 liters (Oil pan high level 12 liters, Oil filter etc. Approx. 1 liters, High ~ Low Approx. 2.8 liters) |
| Oil dipstick | Standard dipstick |
| Oil pressure switch | Yes |
| Oil pressure unit | Yes |
| Oil cooler | Plate type |

Cooling system

| | |
|-----------------------|---|
| Cooling system | Forced circulation of fresh water by centrifugal pump with thermostat |
| Engine water capacity | Approx. 6 liters |
| Cooling fan | 580mm diameter, 7 blades, pusher |
| Water pump pulley | PCD 173mm |
| Pulley ratio | 1.00 (Crankpulley : Water pump pulley = 173:173) |
| Fan spacer | 60mm thickness |
| Water temp. switch | Yes |
| Thermo. Unit | Yes |
| Thermostat | Open at 71deg.C - full open at 85deg.C |

Electrical system

| | |
|------------------------|-------------------------------|
| Alternator | 24V-35A |
| Voltage regulator | IC type (Built in alternator) |
| Regulator set voltage | 28.5 ± 0.5V |
| Alternator pulley | PCD 80mm |
| Starting system | Electric starting |
| Starter motor | 24V-5kW |
| Air heater | 22V,95A |
| Engine shut off system | Electric solenoid (ETS) |

Intake and Exhaust system

| | |
|-----------------------|---|
| Air intake | Engine rear side of turbo charger |
| Exhaust outlet | Engine front side of turbo charger |
| Induction Resistance | Max 1.96kPa{200mmH ₂ O}(Initial stage) |
| Exhaust Back Pressure | Max 4.0kPa{408mmH ₂ O} |

Turbo system

| | |
|--------------|----------------------------------|
| Manufacturer | Mitsubishi Heavy Industries,Ltd. |
| Type | TD06H |

<Remarks>

| | |
|------------------|---------------------------|
| Engine color | Black(MHI standard color) |
| △ Flywheel | 11-1/2inch |
| Flywheel housing | SAE #3 |

2. Engine attached items&Reference drawings

| | Parts Name | Drawing No. | Q'ty | Remarks(Drawing No.) | | |
|---|------------|---------------------|-------------|----------------------|----------------------------------|----|
| | 1 | WIRING DIAGRAM | 34290-07021 | — | Reference(only for) | A4 |
| | 2 | SWITCH,OIL PRESSURE | MC840-219 | 1 | | A4 |
| | 3 | SWITCH, THERMO | MC880-900 | 1 | | A4 |
| △ | 4 | | | | | |
| △ | 5 | UNIT,THERMOMETER | MD366-869 | 1 | | A4 |
| | 6 | STOP SOLENOID(ETS) | 34287-01300 | 1 | STOP SOLENOID KIT 34287-00030 | A4 |
| △ | 7 | STARTER | 32B66-12301 | 1 | | A4 |
| | 8 | AIR,HEATER | 36766-11502 | 1 | | A4 |
| | 9 | ALTERNATOR | 34368-04100 | 1 | | A4 |
| | 10 | FILTER ASSY,FUEL | 34362-00012 | 1 | | A4 |
| | 11 | FILTER,OIL | ME014-833 | 1 | | A4 |
| | 12 | COOLING FAN | 34348-00201 | 1 | | A4 |
| | 13 | L-JOINT | 30625-35020 | 1 | | A4 |

3. Accessories(Loose supply parts)

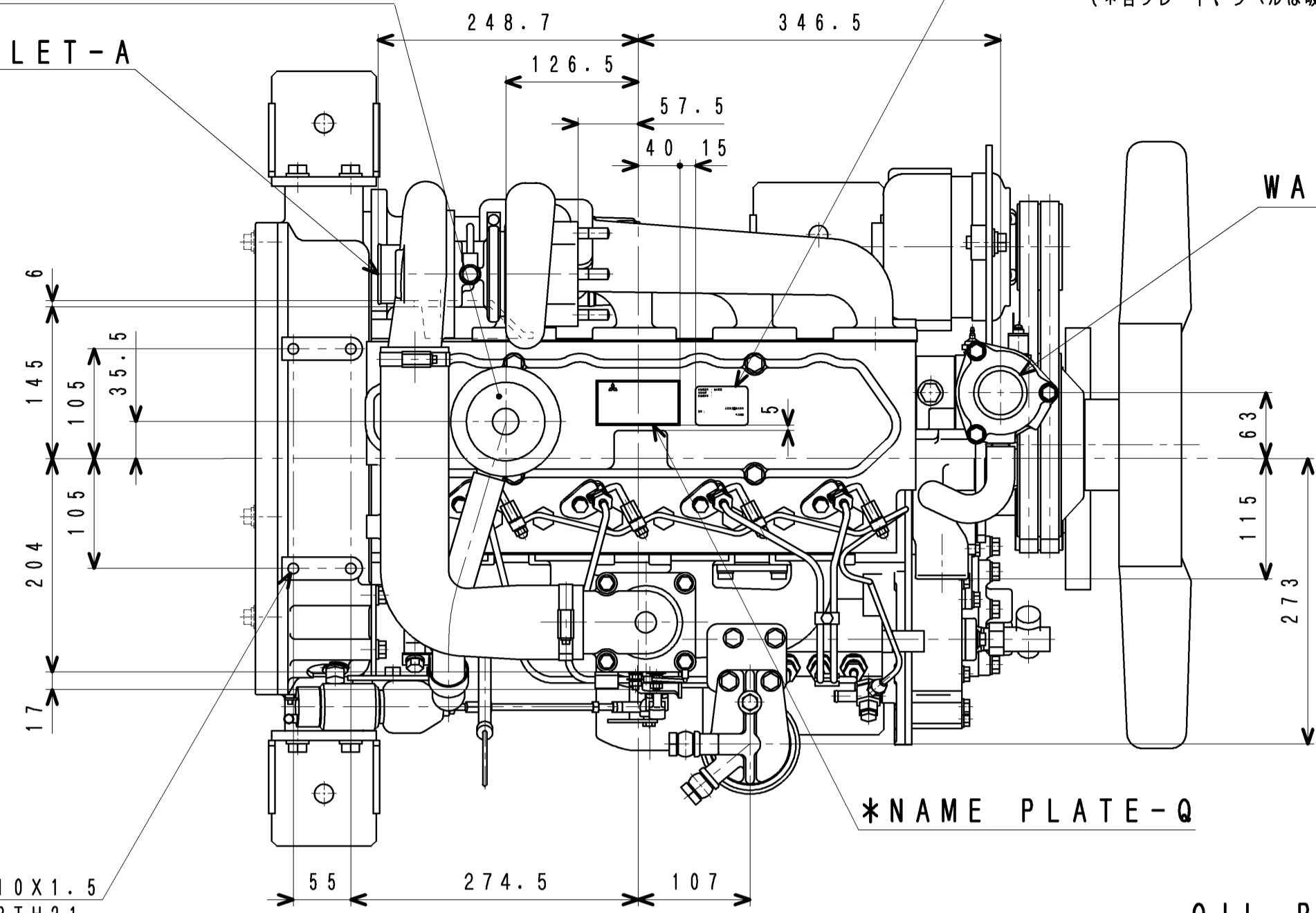
| | Parts Name | Parts No. | Q'ty | Remarks(Drawing No.) | | |
|--|------------|---------------|-------------|----------------------|--|----|
| | 1 | TIMER CONTROL | 32B90-02400 | 1 | | A4 |
| | 2 | CONNECTOR,3P | MM409-661 | 1 | | A4 |
| | 3 | CONNECTOR,4P | MM409-663 | 1 | | A4 |
| | 4 | CONNECTOR,2P | MH052-231 | 1 | | A4 |

Note:Drawing No. Subject to alteration without notice

BREATHER & OIL FILLER CAP

*LABEL, CHINA STAGE 3 EXEMPTION (EXPORT ONLY)-R
(*各プレート、ラベルは吸気側から読める方向で貼付のこと)

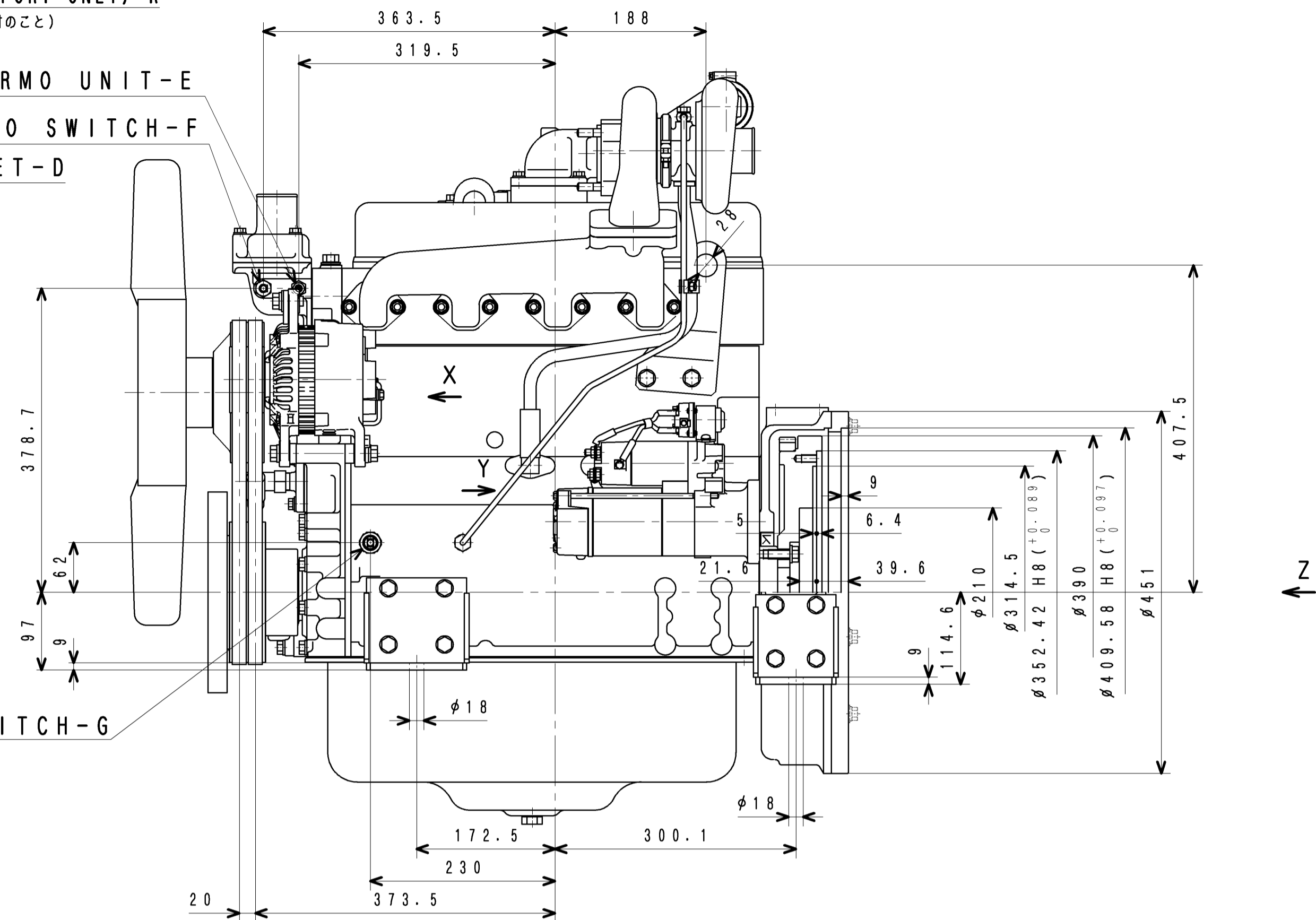
AIR INLET-A



THERMO UNIT-E

THERMO SWITCH-F

WATER OUTLET-D



OIL PRESS. SWITCH-G

GOVERNOR LEVER

AIR HEATER-L

FUEL FILTER

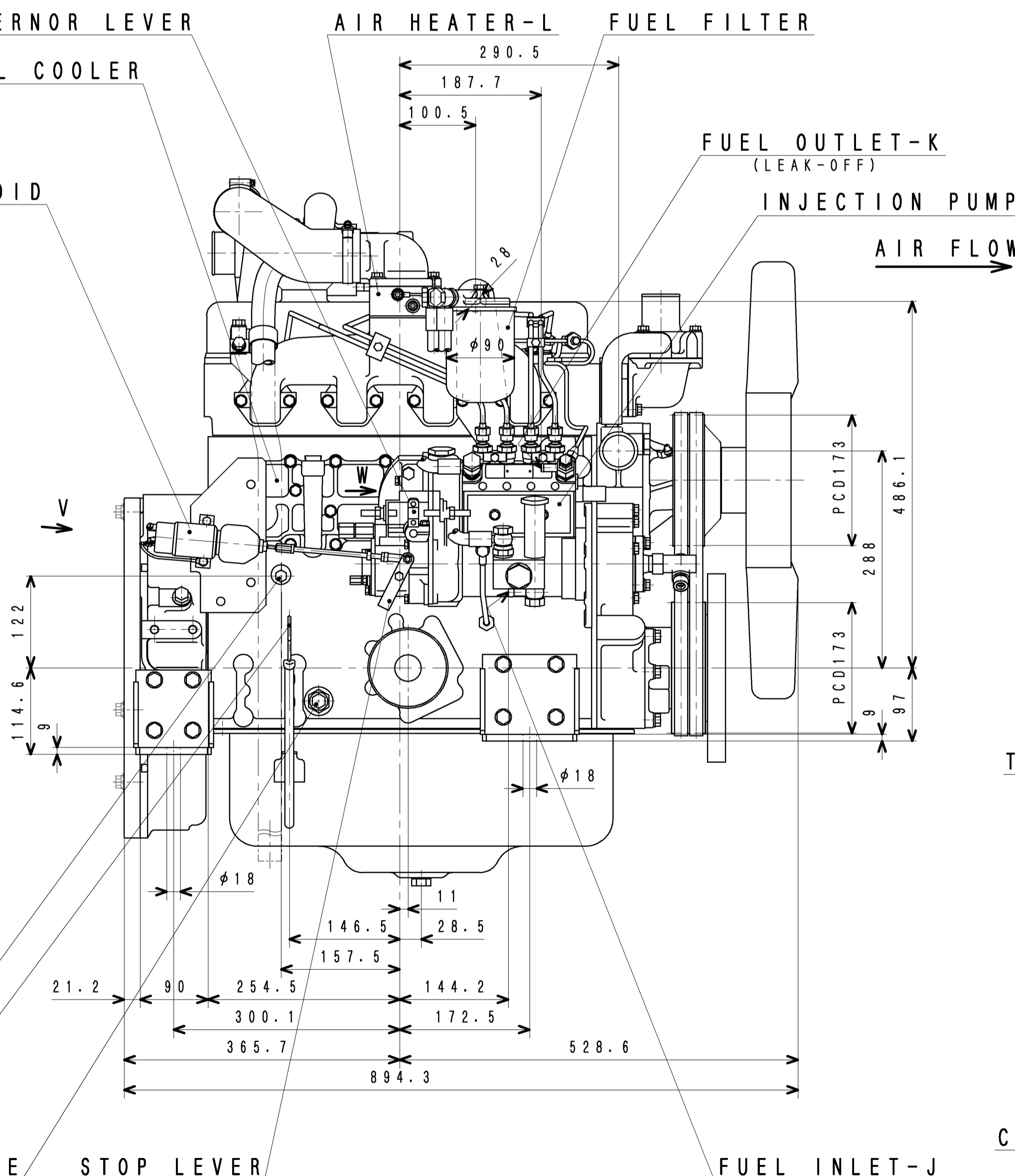
OIL COOLER

STOP SOLENOID

FUEL OUTLET-K
(LEAK-OFF)

INJECTION PUMP

AIR FLOW



WATER DRAIN PLUG
(M10X1.5)

OIL LEVEL GAGE

RELIEF VALVE

STOP LEVER

FUEL INLET-J

WATER PUMP

WATER INLET-C

TURBOCHARGER

EXHAUST OUTLET-B

COOLING FAN
(7P-580, SPACER t60)

ALTERNATOR
(24V-35A)

Table with technical specifications for the alternator, including model number, output, and speed.

R-DETAIL (1:1)

Table with engine specifications including total cylinder volume, engine number, output, and engine speed.

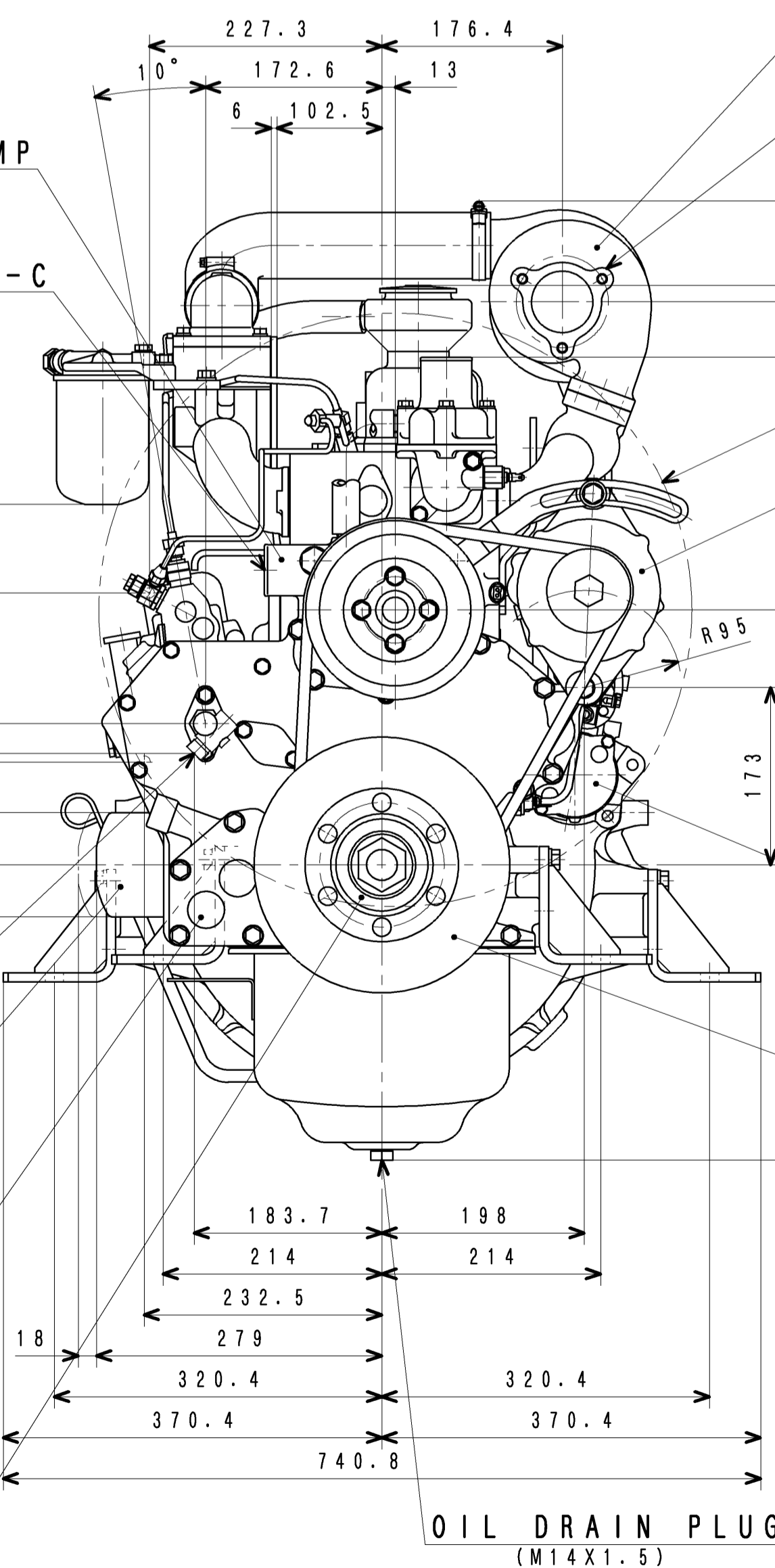
Q-DETAIL (1:1)
(With fan St-by:59kW/1500rpm)

TACHOMETER DRIVE-M

OIL FILTER

OIL PUMP

CRANKSHAFT PULLEY



STARTER
(24V-5kW)

TORSIONAL DAMPER

OIL DRAIN PLUG
(M14X1.5)

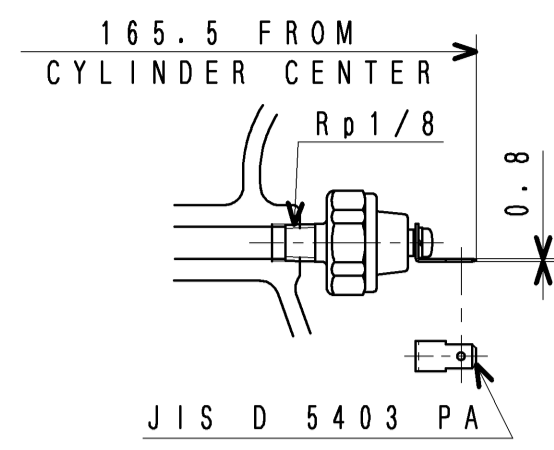
FOR GENERATOR OEM
(CHINA: EXPORT ONLY)

Main drawing title block containing drawing number (34200-01741), scale (1:5), and manufacturer information (Mitsubishi Heavy Industries, Ltd.).

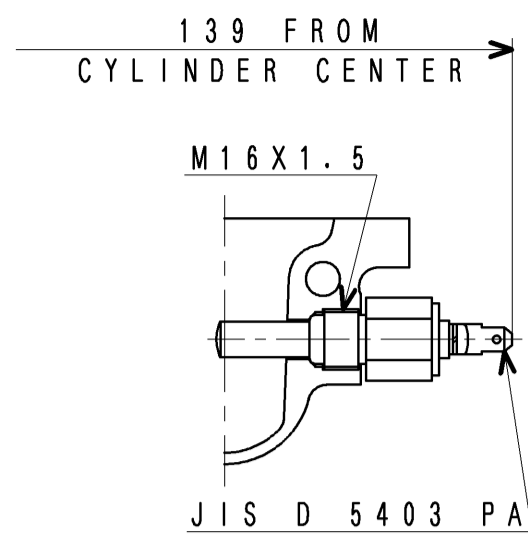
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MHI
相模原
2016
3.17

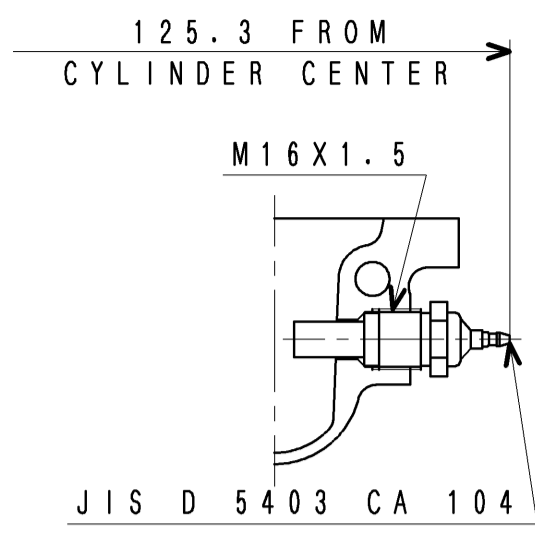
M/C



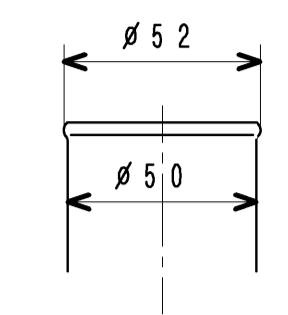
G-DETAIL



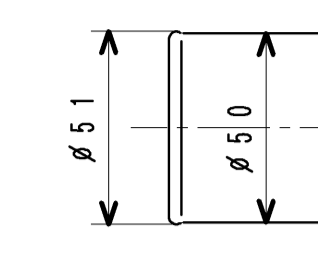
F-DETAIL



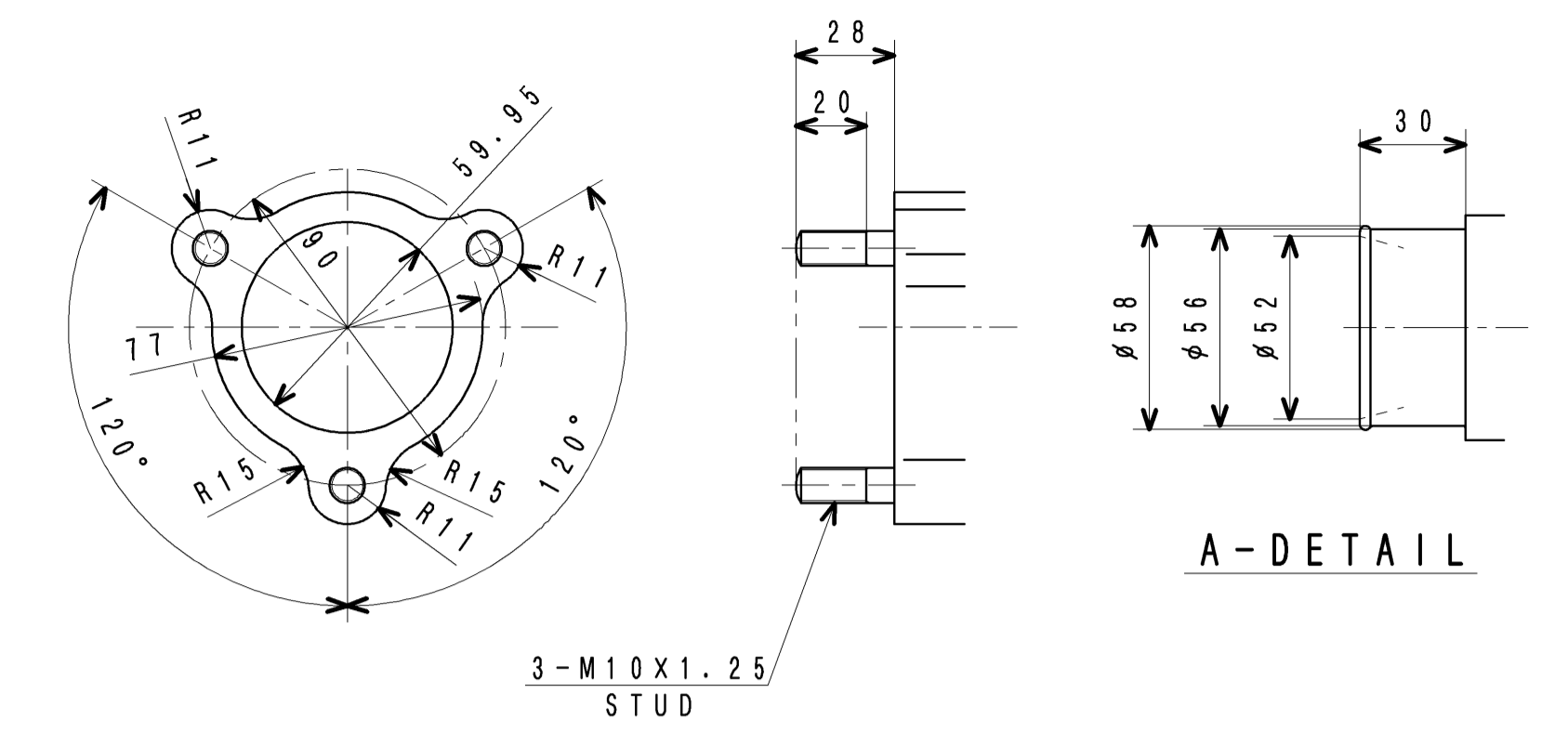
E-DETAIL



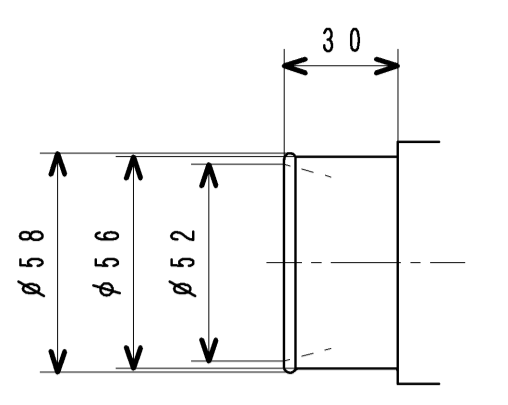
D-DETAIL



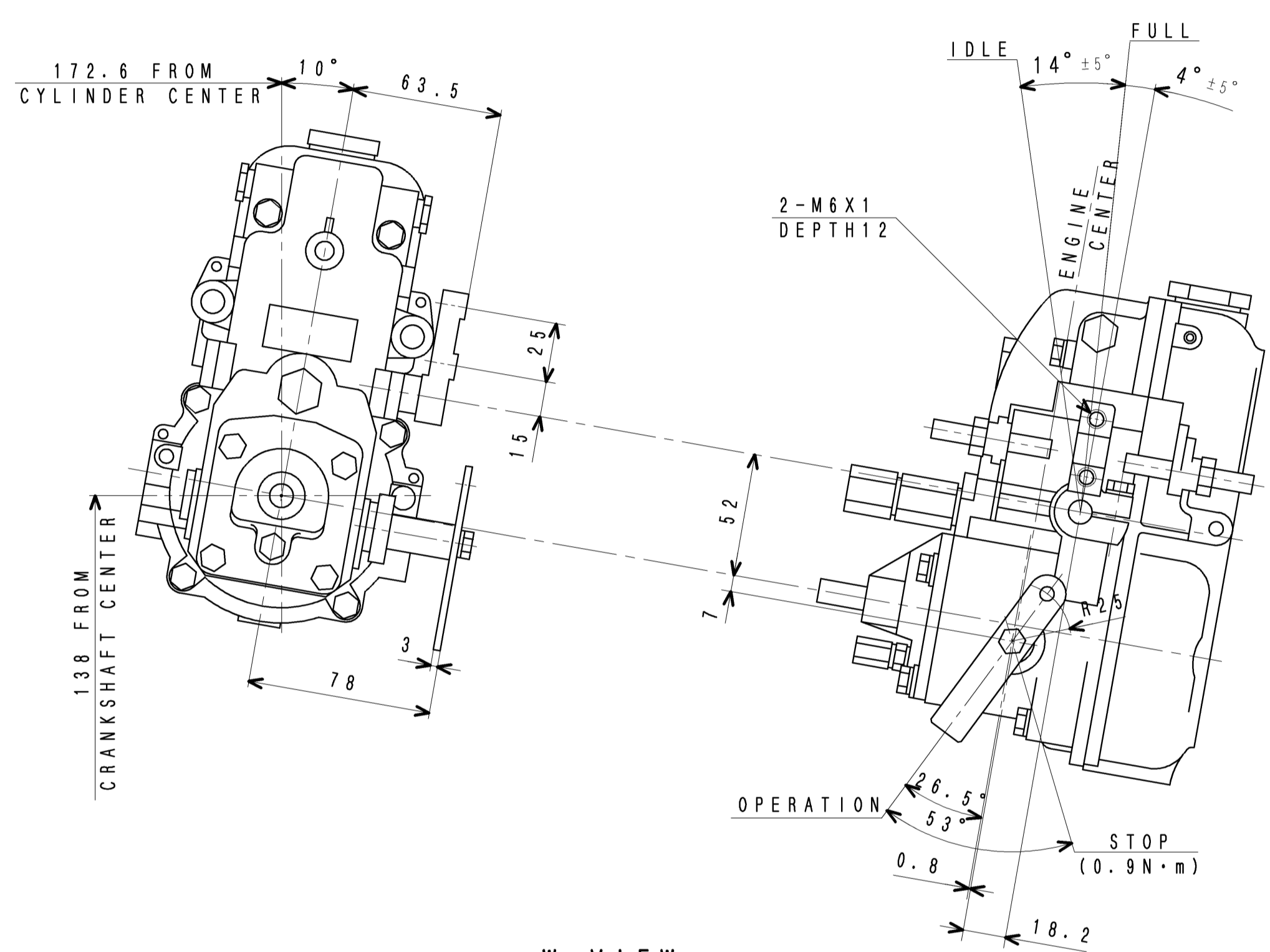
C-DETAIL



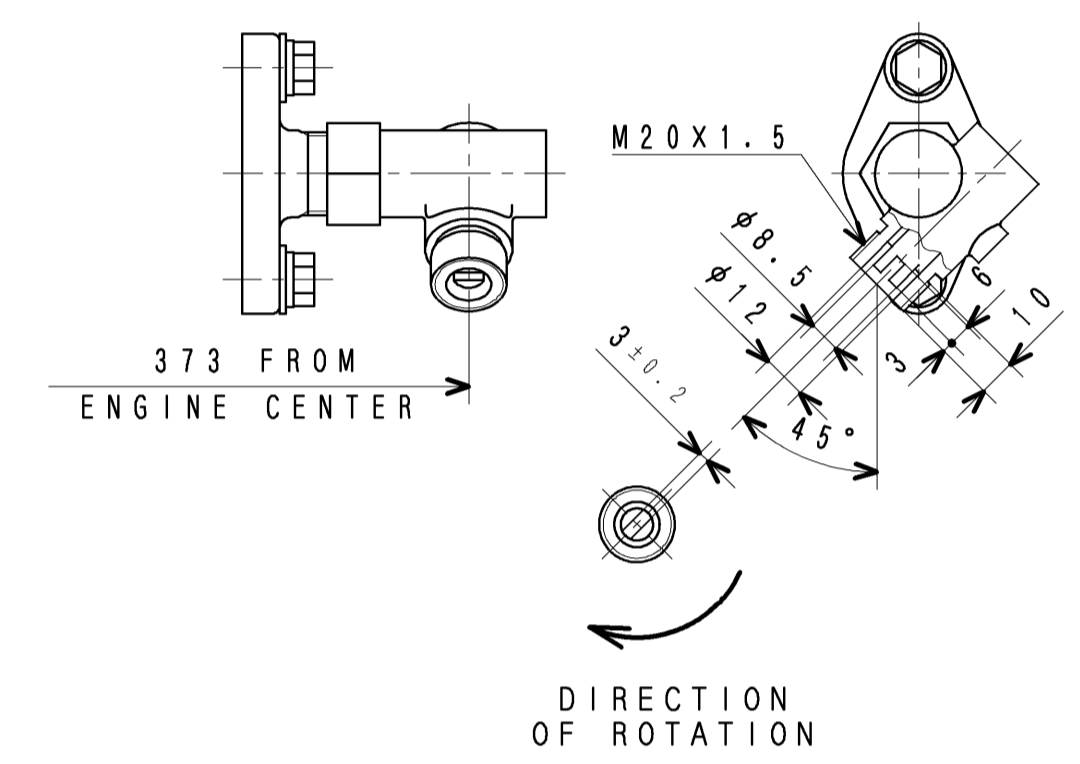
B-DETAIL



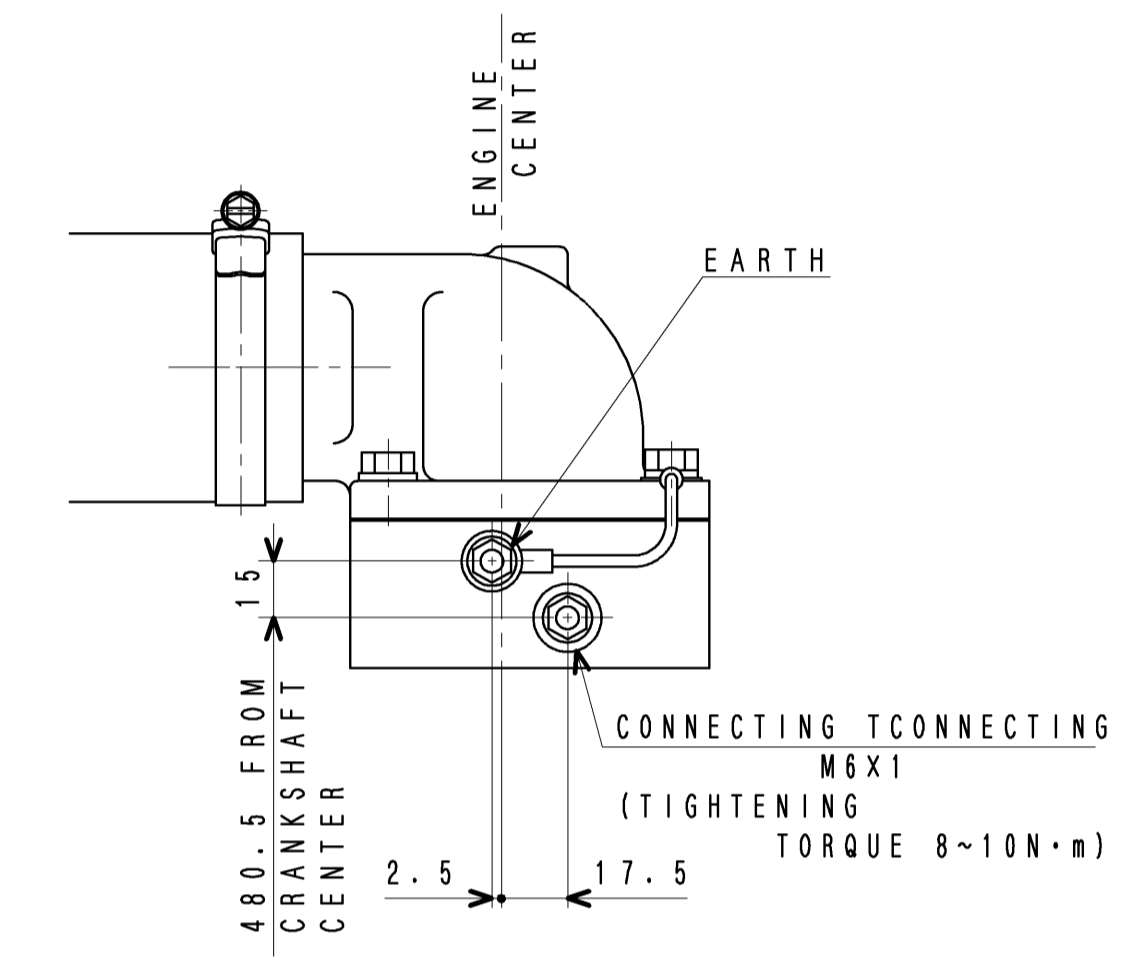
A-DETAIL



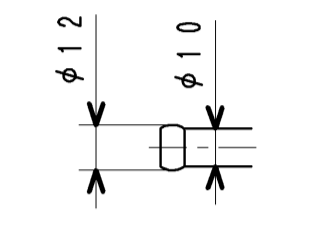
W-VIEW



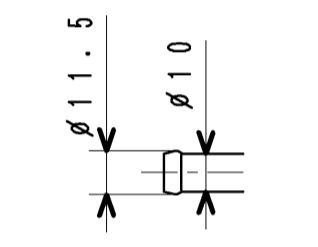
M-DETAIL



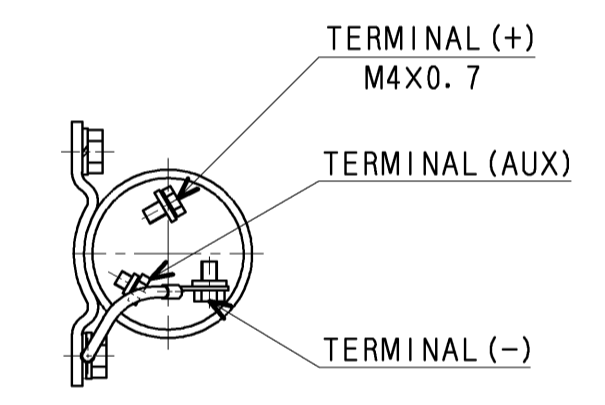
L-DETAIL



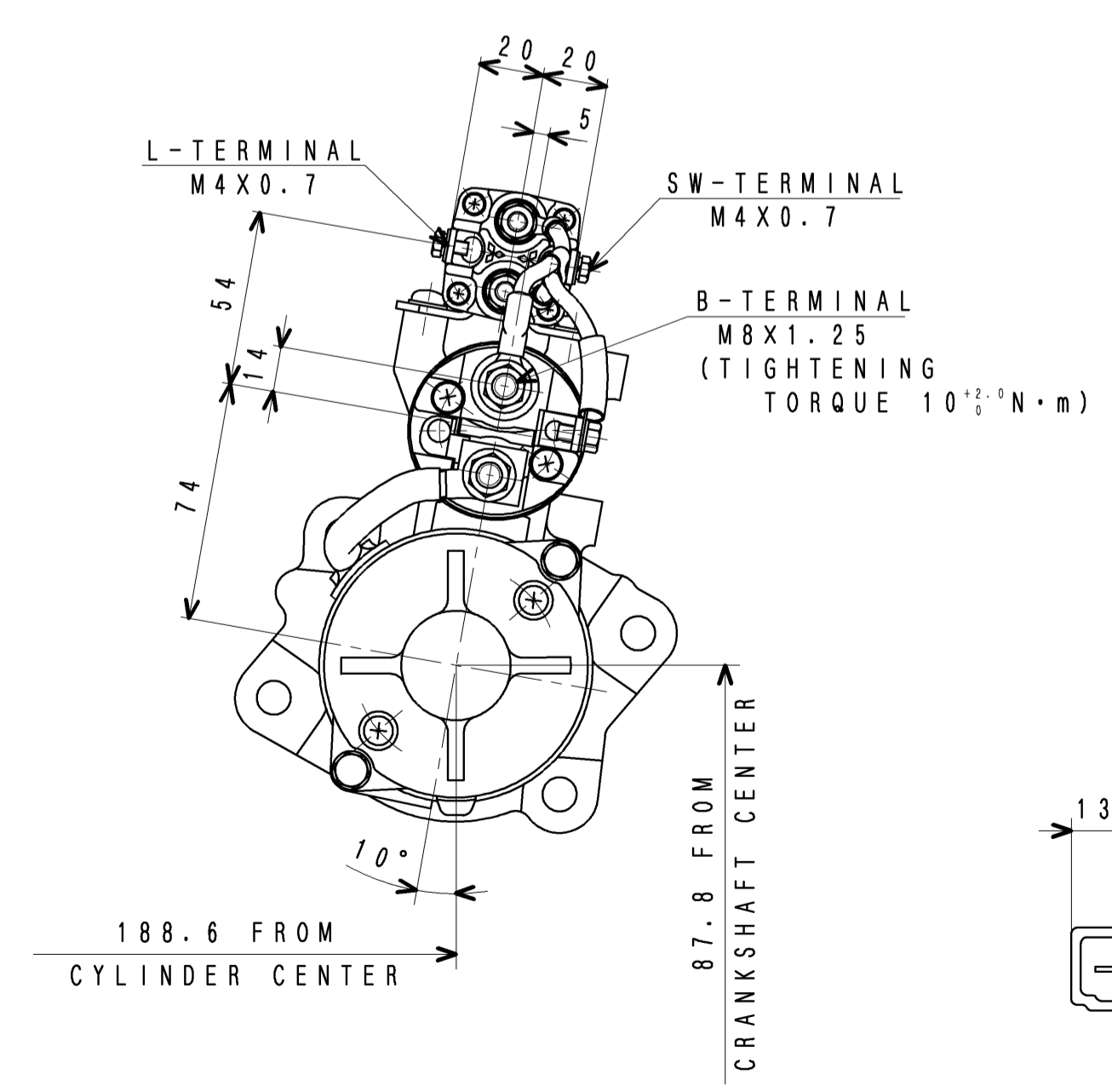
J-DETAIL



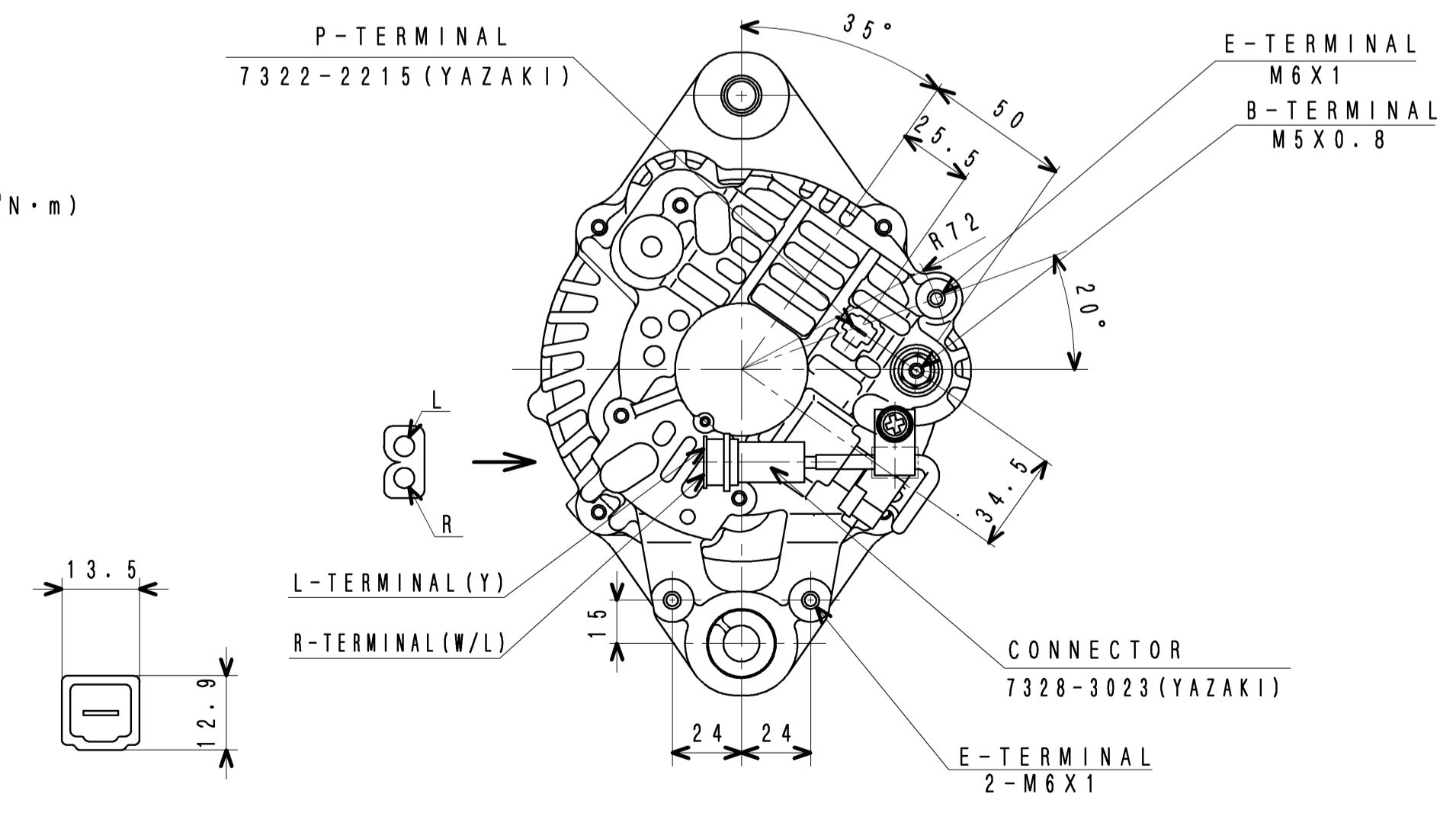
K-DETAIL



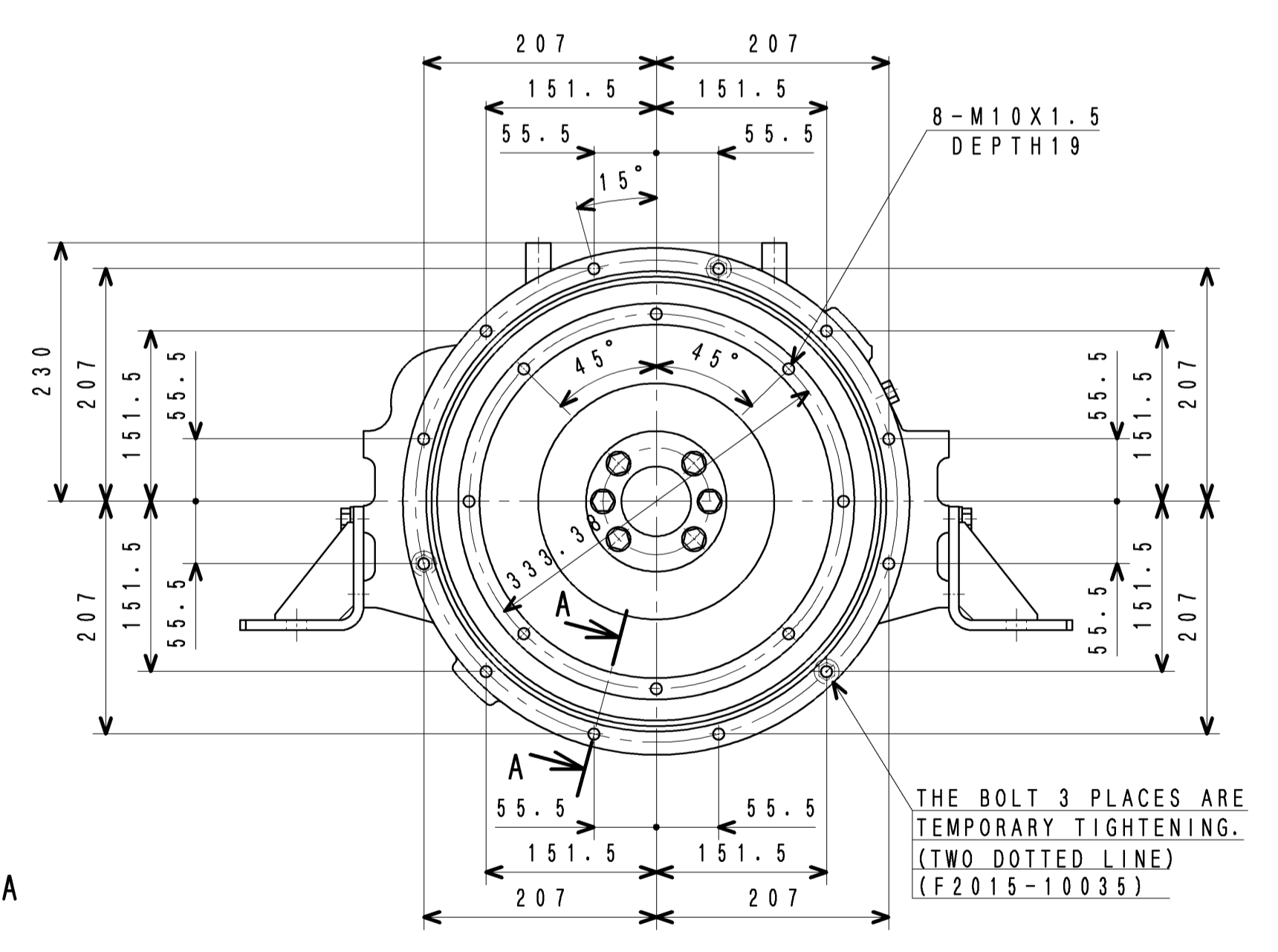
V-VIEW



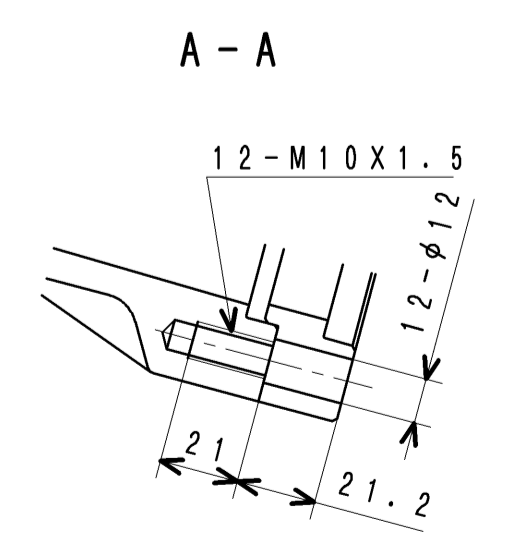
Y-VIEW



X-VIEW



Z-VIEW (1:5)



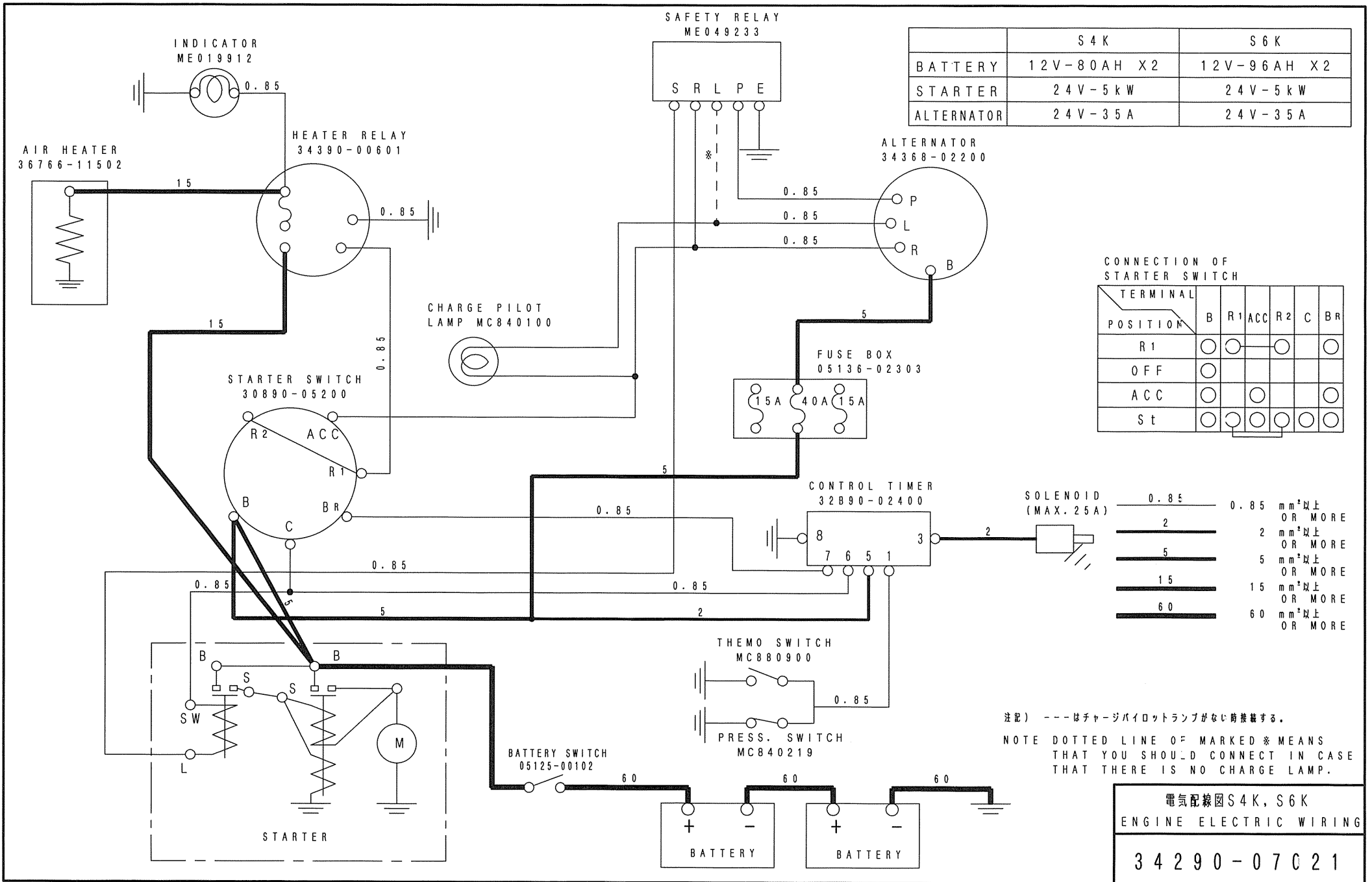
A-A

FOR GENERATOR OEM (CHINA:EXPORT ONLY)

| | | | | | | | |
|-----------------------------------|-------|------------|-----|----------------------|-------------|-------------|---|
| 3/4 ANGLE PROJECTION | | | | S4K-DT65SAG ENG ASSY | | | |
| R/R SCALE 1:2 | | | | 三菱重工業株式会社 | | | |
| MITSUBISHI HEAVY INDUSTRIES, LTD. | | | | 図面番号 34200-01741 | | | |
| CHG | ED-NO | DATE | CHK | 製図 (M.S.H.) | DRN | T. HIROSE | 2 |
| 認可 | APPD | H. Komatsu | 検図 | CHK | C. IGARASHI | 2016. 2. 29 | 2 |
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3.17

M/C



| | S4K | S6K |
|------------|-------------|-------------|
| BATTERY | 12V-80AH X2 | 12V-96AH X2 |
| STARTER | 24V-5kW | 24V-5kW |
| ALTERNATOR | 24V-35A | 24V-35A |

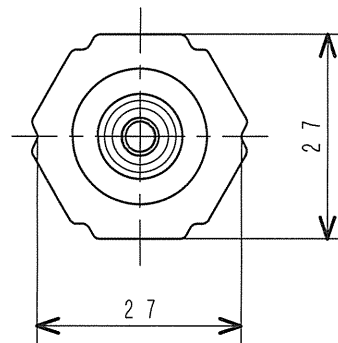
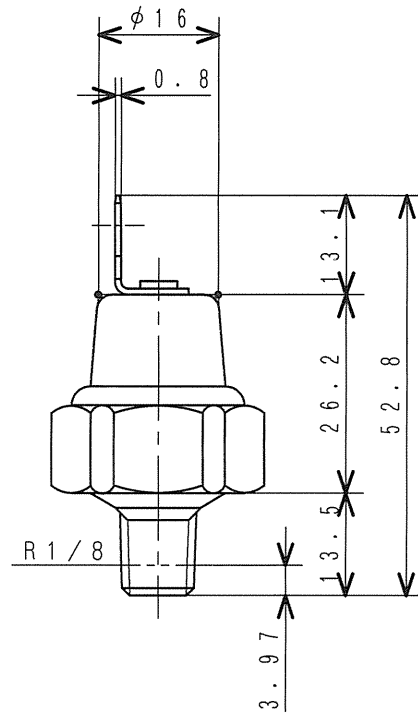
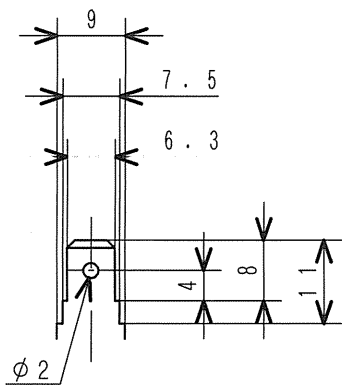
CONNECTION OF STARTER SWITCH

| TERMINAL POSITION | B | R1 | ACC | R2 | C | BR |
|-------------------|---|----|-----|----|---|----|
| R1 | ○ | ○ | ○ | ○ | | ○ |
| OFF | ○ | | | | | |
| ACC | ○ | | ○ | | | ○ |
| St | ○ | ○ | ○ | ○ | ○ | ○ |

| SOLENOID (MAX. 25A) | 0.85 | 2 | 5 | 15 | 60 |
|---------------------|--------------------|---|---|----|----|
| 0.85 | mm ² 以上 | | | | |
| 2 | OR MORE | 2 | | | |
| 5 | mm ² 以上 | | 5 | | |
| 15 | OR MORE | | | 15 | |
| 60 | mm ² 以上 | | | | 60 |
| | OR MORE | | | | |

注記) ---はチャージパイロットランプがない時接続する。
 NOTE DOTTED LINE OF MARKED * MEANS THAT YOU SHOULD CONNECT IN CASE THAT THERE IS NO CHARGE LAMP.

電気配線図S4K, S6K
 ENGINE ELECTRIC WIRING
 34290-07021



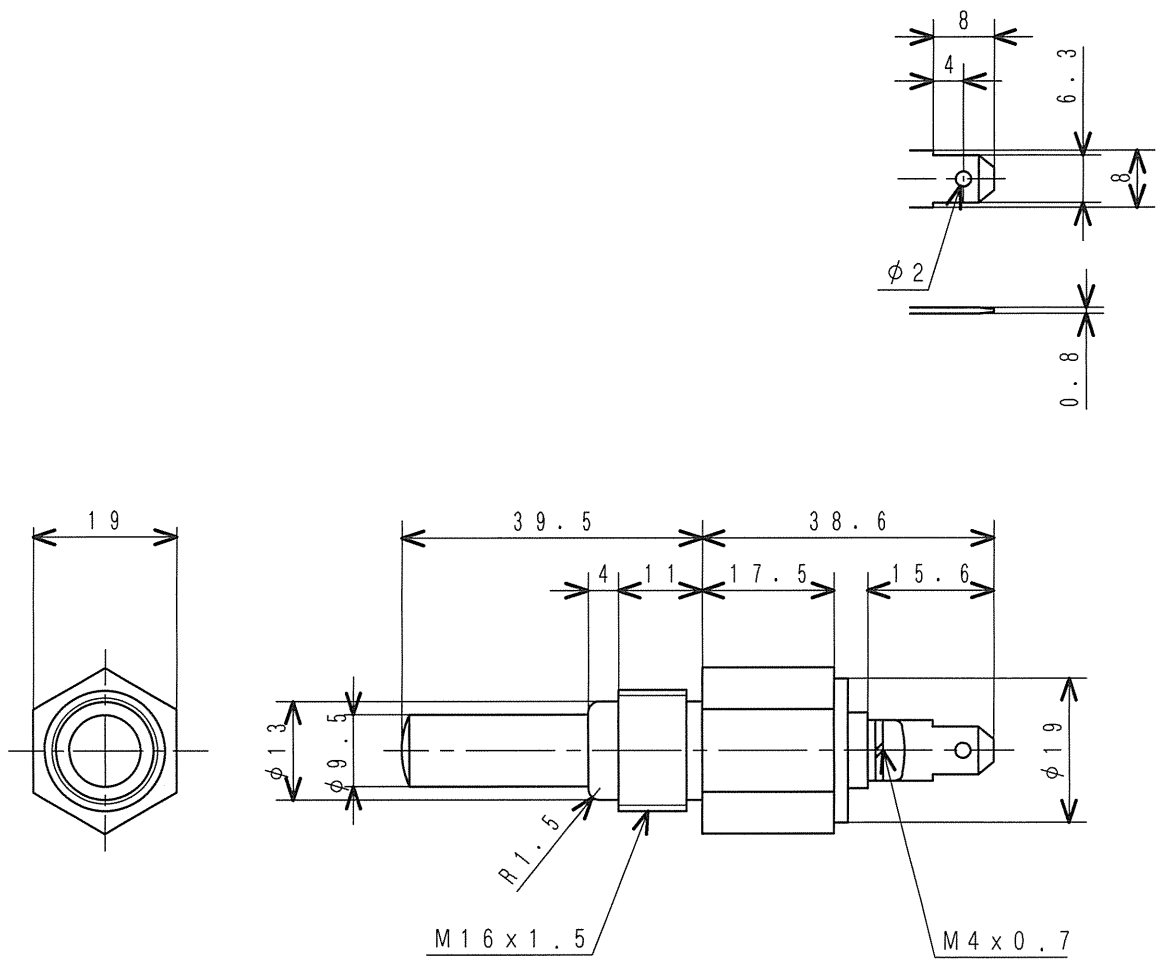
仕 様
SPECIFICATIONS

| | |
|-----------------------------|-----------------------------------|
| 作 動 圧 力 OPERATING PRESS. | 49 kPa {0.5 kgf/cm ² } |
| 作 動 電 圧 OPERATING VOLT. | 12 V - 5 W 24 V - 5 W |

オイルプレッシャスイッチ
SWITCH, OIL PRESSURE

MC840-219

MHI CONFIDENTIAL



| 部品番号 PART No. | 作動温度 OPERATING TEMP. | | |
|------------------|-------------------------|-------------|---------------|
| MC880-900 | 温度下降時 DECREASE | ≤ 100℃ ± 4℃ | で接点開 OPEN |
| | 温度上昇時 RISE | ≥ 100℃ ± 2℃ | で接点閉 CLOSE |
| MC880-901 | 温度下降時 DECREASE | ≤ 105℃ ± 4℃ | で接点開 OPEN |
| | 温度上昇時 RISE | ≥ 105℃ ± 2℃ | で接点閉 CLOSE |

| | | |
|----------------------|-----------|-------------|
| 定格負荷 RATED LOADED | 1A以下 MAX. | 0.5A以下 MAX. |
| 定格電圧 RATED VOLT. | 12V | 24V |

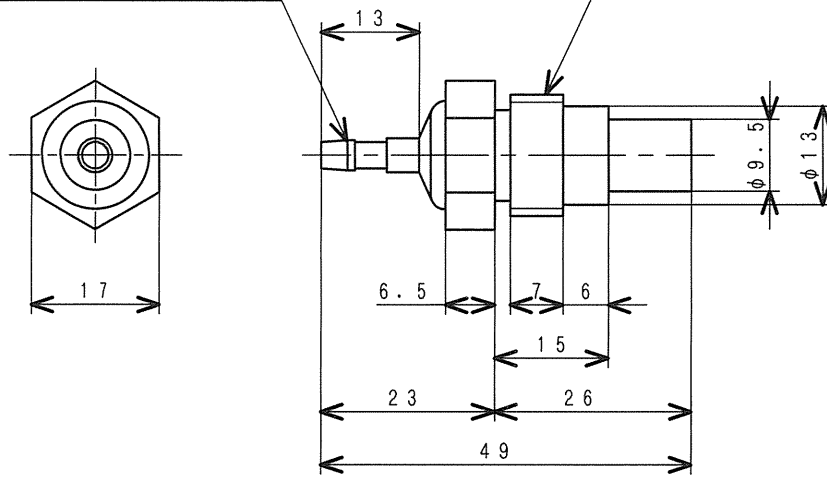
サーモスイッチ
SWITCH, THERMO

MC880-900

MHI CONFIDENTIAL

JIS D 5403 CA104

M16X1.5

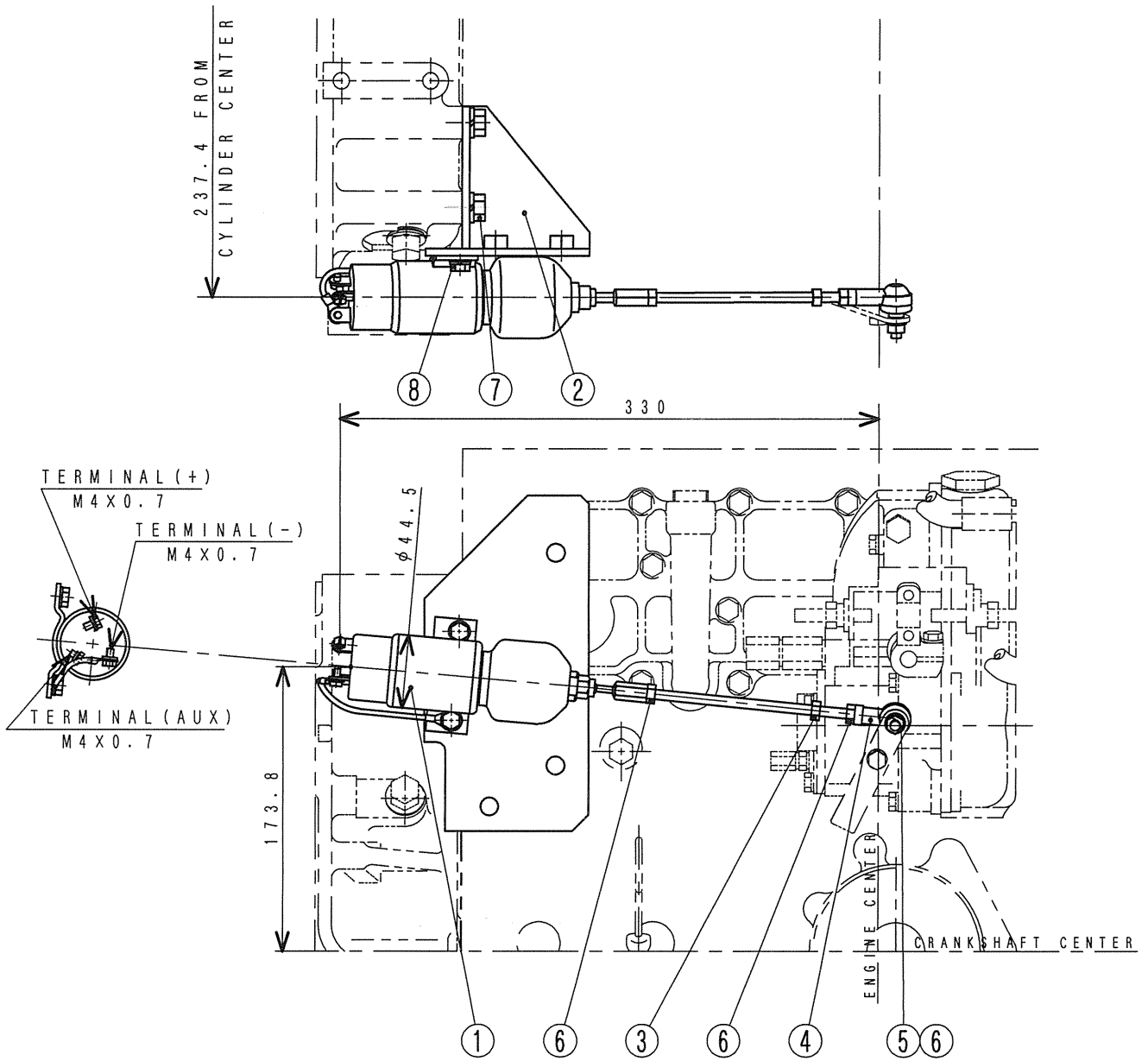


| | | | | | | | |
|------------------------|----|------|------|------|------|------|-----|
| 温度 (°C) TEMPERATURE | 50 | 67 | 70 | 100 | 102 | 110 | 135 |
| 抵抗 (Ω) RESISTANCE | 80 | 44.6 | 40.9 | 17.6 | 16.5 | 12.8 | 7 |

サーモメータユニット
UNIT, THERMOMETER

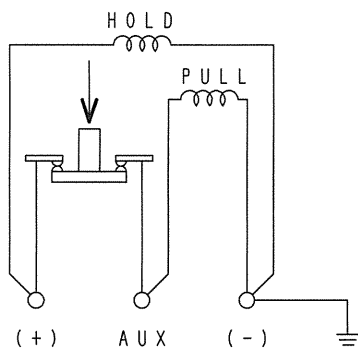
MD366-869

MHI CONFIDENTIAL



仕様(20℃にて)
SPECIFICATIONS (AT 20℃)

| | | |
|-----------------------|-------------------------|----------------------------|
| 定格電圧 RATED VOLT. | DC 24V | |
| | プルインコイル PULL IN COIL | ホールディングコイル HOLD IN COIL |
| 定格電流 RATED CURRENT | 24.6A | 0.5A |
| 引張力 TENSILE FORCE | 89N {9kgf} | 180N {18kgf} |



配線図
WIRING DIAGRAM

| | | | |
|-----|-------------|-------------------|-----|
| 8 | F1825-06012 | BOLT W/ASSY | 2 |
| 7 | F2005-10020 | BOLT W/ASSY | 3 |
| 6 | F2300-06000 | NUT | 3 |
| 5 | F2515-06000 | WASHER, SPRING | 1 |
| 4 | 32563-06100 | L-JOINT | 1 |
| 3 | 34287-02703 | ROD, SOLENOID | 1 |
| 2 | 34287-12801 | BRACKET, SOLENOID | 1 |
| 1 | 34287-01300 | SOLENOID | 1 |
| SYM | PART No. | PART NAME | QTY |

ストップ ソレノイド キット

STOP SOLENOID KIT (S4K)

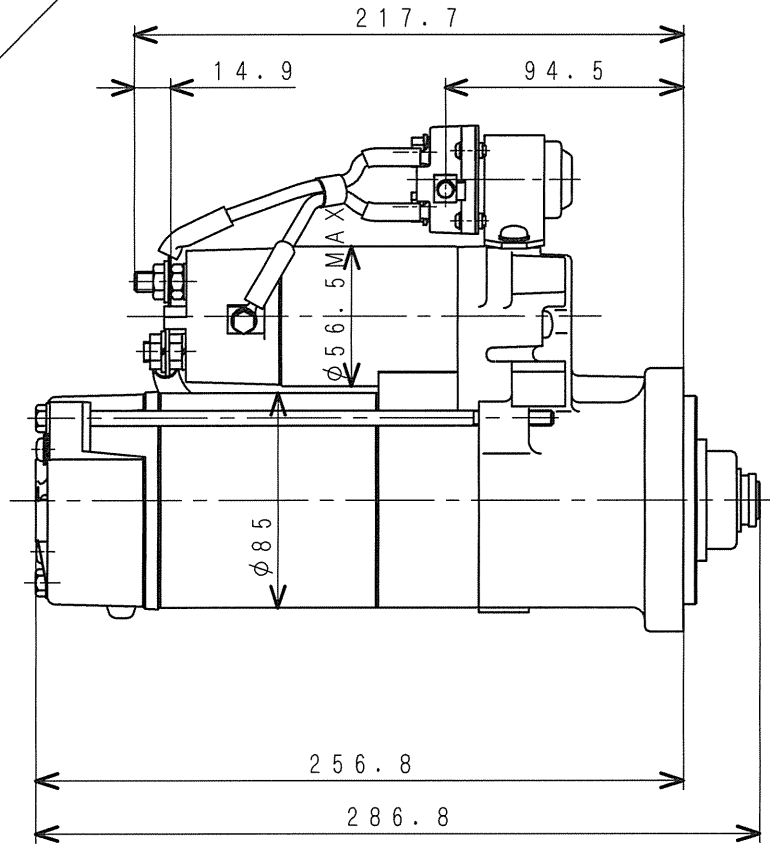
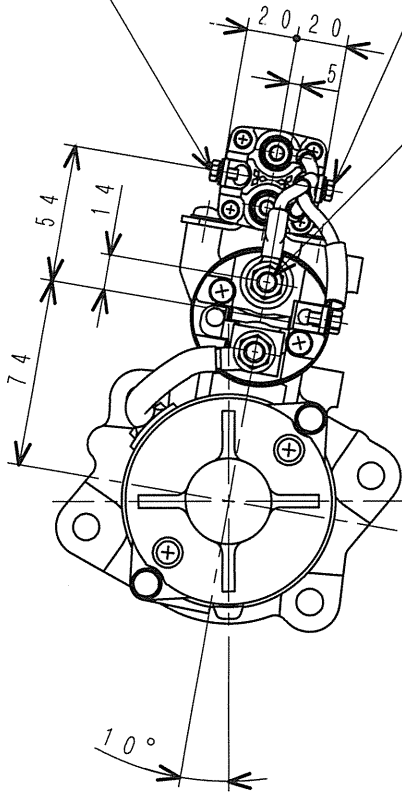
34287-00030



MHI CONFIDENTIAL

L-TERMINAL
M4X0.7
(FOR SAFETY RELAY)

SW-TERMINAL
M4X0.7

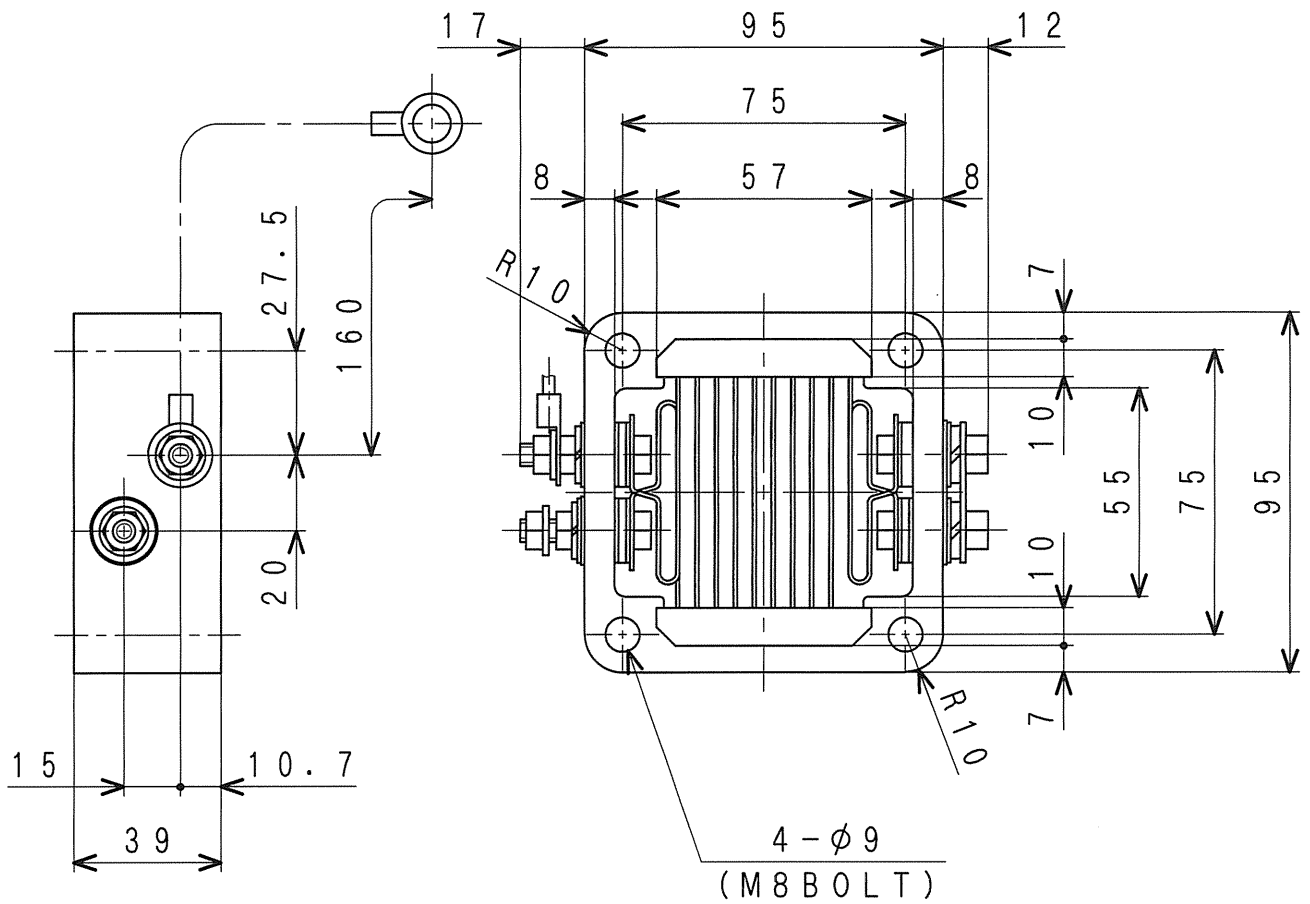
B-TERMINAL
M8X1.25
(TIGHTENING
TORQUE 10^{+2}_0 N·m)



| MODEL | PART NO. | RATED OUTPUT OF STARTER | BATTERY (REFERENCE) |
|----------|-------------|-------------------------|--|
| S4K, S6K | 32B66-12301 | 24V-5kW | S4K: 80AH X2  S6K: 96AH X2  |

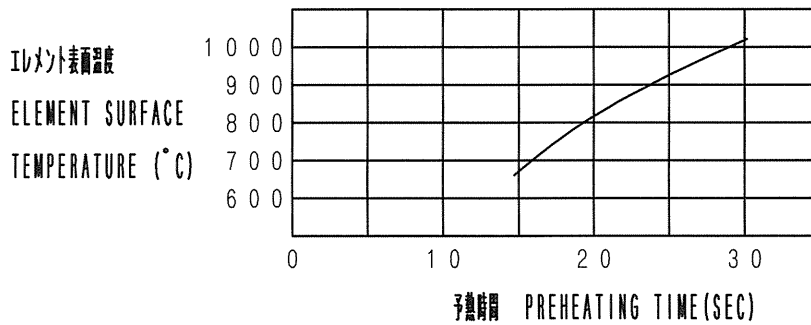
スタータ
STARTER (24V-5kW)

32B66-12301



仕様
SPECIFICATIONS

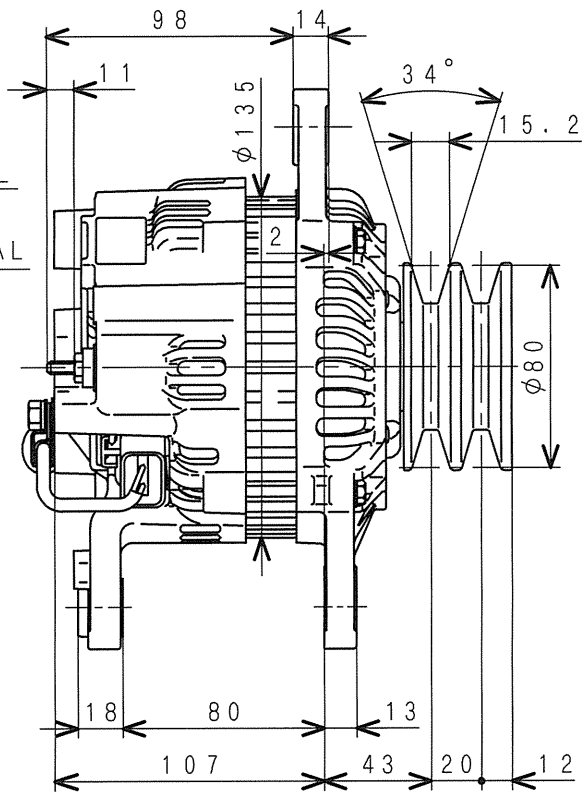
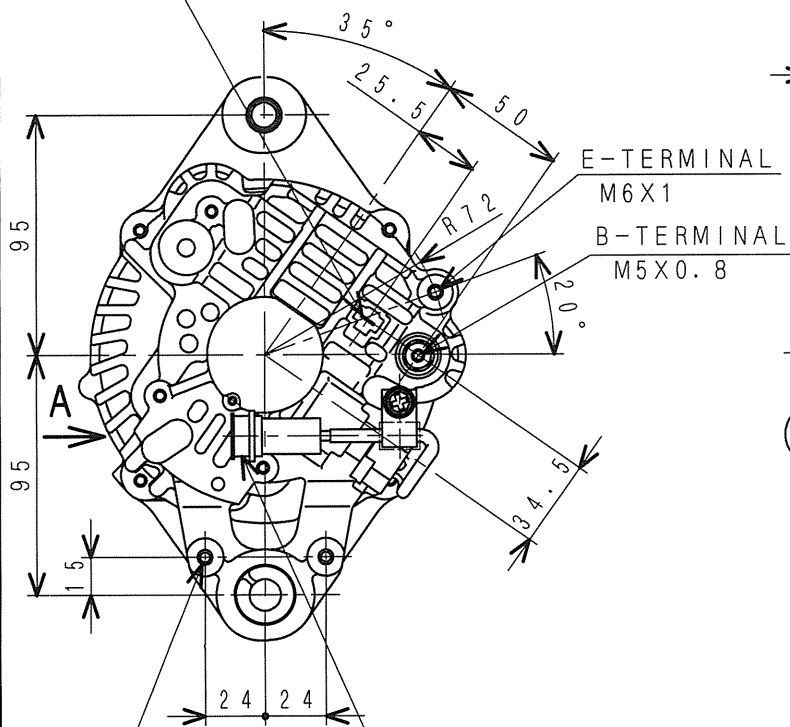
| | |
|-----------------------|--------------------------|
| 容量 CAPACITY | 2.1 kW |
| 定格電圧 RATED CURRENT | 95 A \pm 10% (AT 22 V) |



エア ヒータ アッシー
AIR HEATER ASSY

36766-11502

P-CONNECTOR
(YAZAKI 7322-2215)



E-TERMINAL
2-M6X1

L & R-CONNECTOR
(YAZAKI 7328-3023)

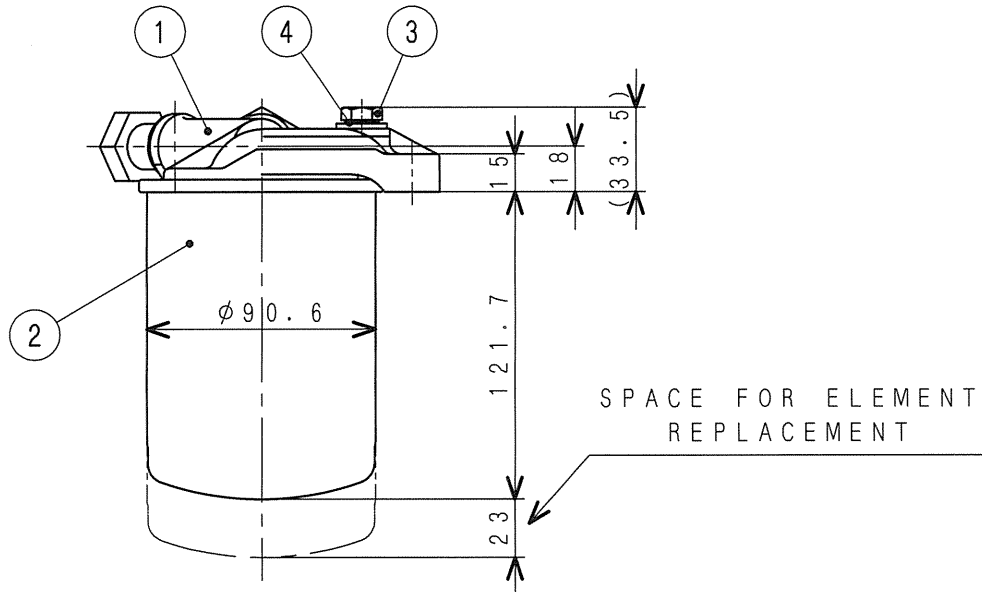
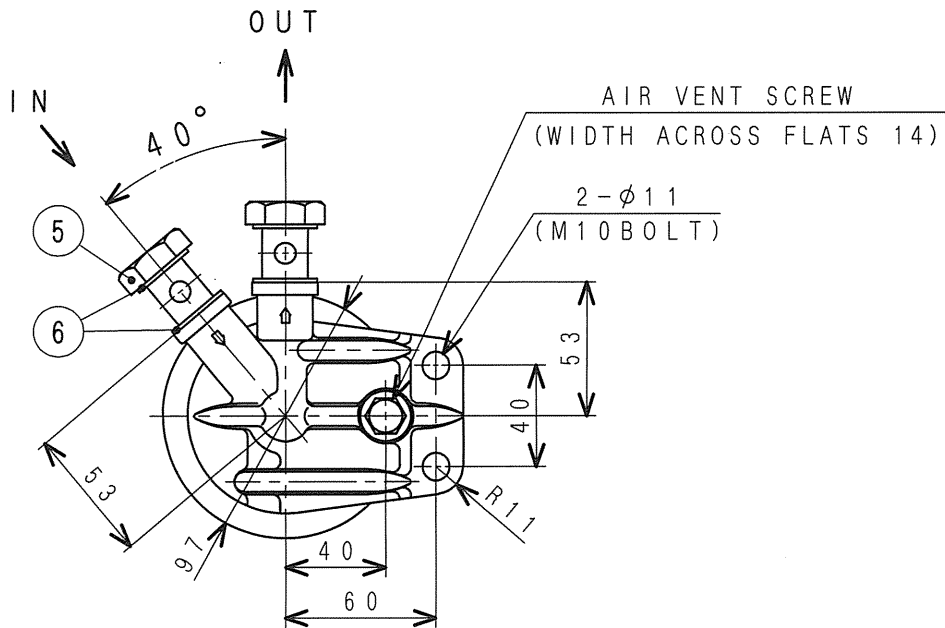
A



オルタネータ
ALTERNATOR (24V-35A)

34368-04100

MHI CONFIDENTIAL



2. FILTER TIGHTENING TORQUE: $13.7 \pm 2.0 \text{ N} \cdot \text{m}$ { $1.4 \pm 0.2 \text{ kgf} \cdot \text{m}$ }
 NOTE 1. THEN TIGHTEN $3/4 \sim 1$ TURN AFTER GASKET CONTACTS BASE.

2. フィルタ締付けトルク: $13.7 \pm 2.0 \text{ N} \cdot \text{m}$ { $1.4 \pm 0.2 \text{ kgf} \cdot \text{m}$ }
 注 記 1. 取付けはシール面にガスケットが接触してから $3/4 \sim 1$ 回転締付けて下さい。

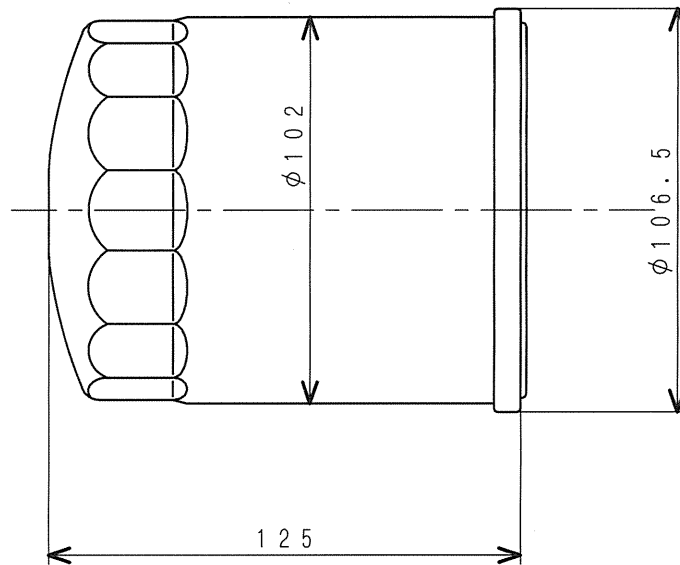
仕様
 SPECIFICATIONS

| | |
|-------------------------|----------------------|
| ろ過面積 FILTRATION AREA | 3800 cm ² |
| 定格流量 RATED FLOW | 3 l/min |
| 乾燥重量 WEIGHT | 830 g |

| | | | |
|-----|-------------|-------------------|-----|
| 6 | MH035-069 | GASKET | 4 |
| 5 | MH037-087 | BOLT, EYE | 2 |
| 4 | MH035-067 | GASKET | 1 |
| 3 | ME016-894 | PLUG, AIR | 1 |
| 2 | 34362-00101 | ELEMENT, FUEL | 1 |
| 1 | ME035-672 | HEAD, FUEL FILTER | 1 |
| SYM | PART No. | PART NAME | QTY |

ヒュエルフィルタアッシー
 FILTER ASSY, FUEL

34362-00012

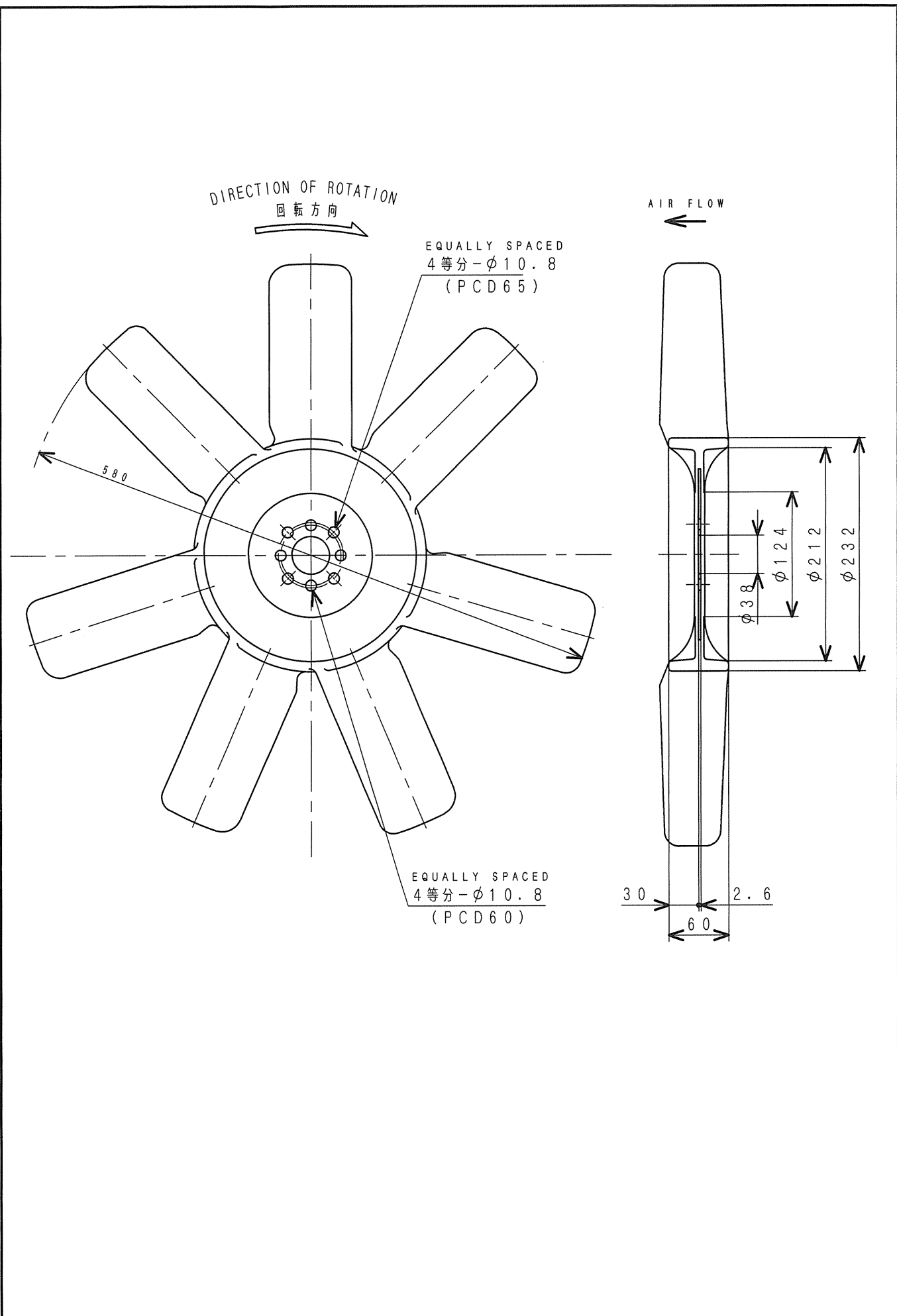


仕 様
SPECIFICATIONS

| | |
|--|--|
| 濾過面積 FILTRATION AREA | 0.25m ² |
| 圧力損失(定格流量時) PRESSURE LOSS | 29.4kPa {0.3kgf/cm ² } 以下 |
| 破壊圧力 PRESS. AT FRACTURE | 1.47MPa {15kgf/cm ² } |
| エレメント差圧強度 ELEMENT RESISTANCE TO PRESS. DIFFERENCE | 687kPa {7kgf/cm ² } |
| 逃し弁調整圧力 RELIEF VALVE PRESSURE | 98.1±19.6kPa {1.0±0.2kgf/cm ² } |

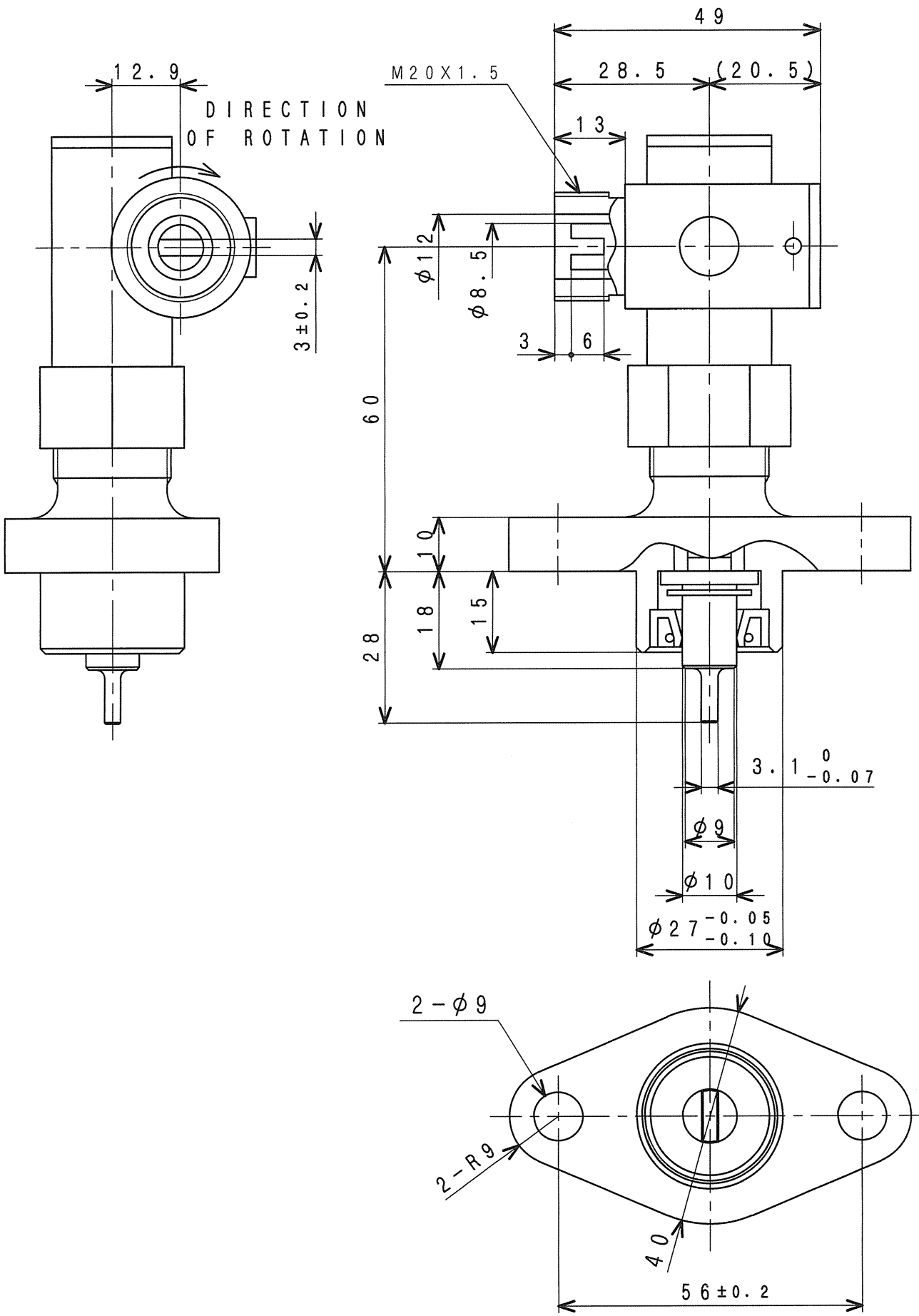
オイルフィルタ
FILTER, OIL

ME014-833



クーリング ファン (プッシャー)
FAN, COOLING (7P-580)

34348-00201

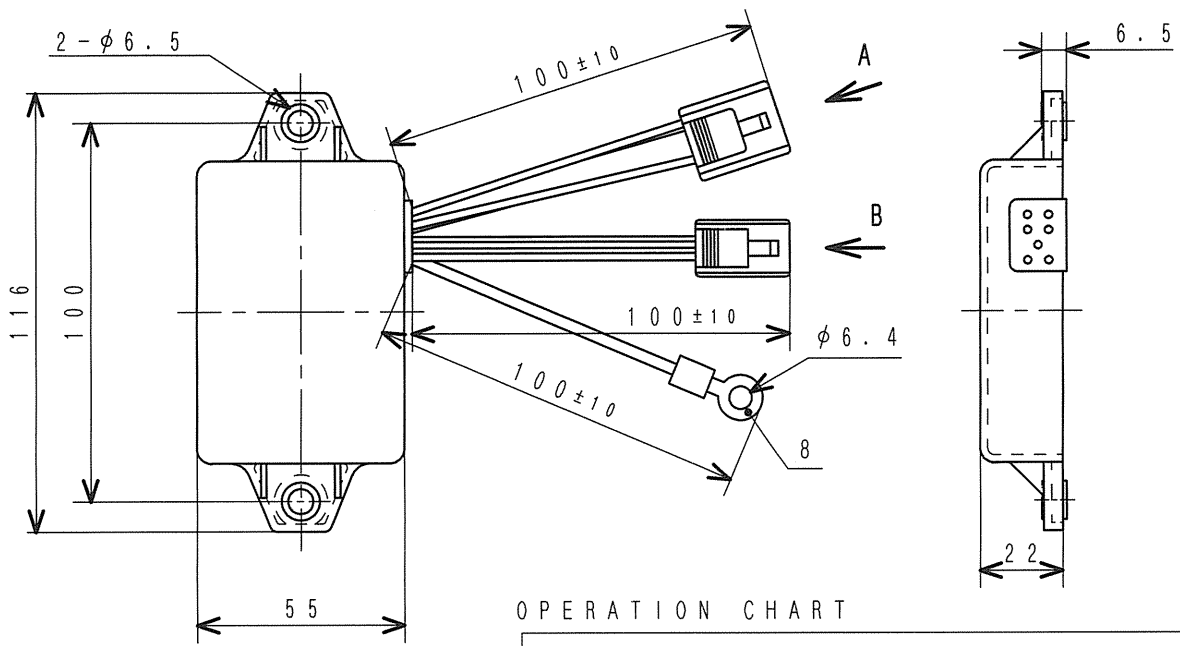


駆動軸と被駆動軸の回転比 1 : 1

ROTATION RATIO OF DRIVE & DRIVEN SHAFT IS 1 : 1

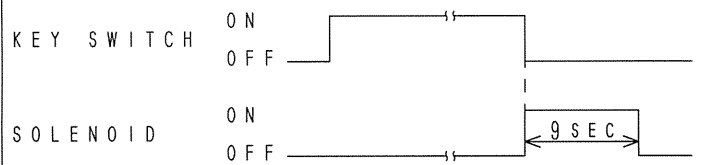
L-ジョイント
L-JOINT

30625-35020

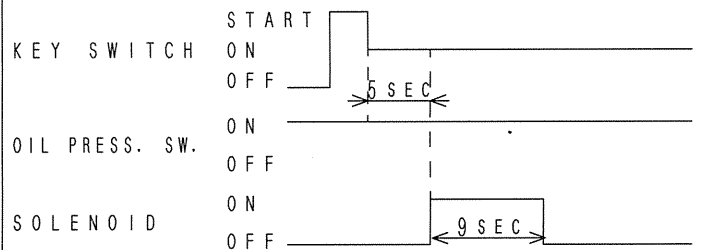


OPERATION CHART

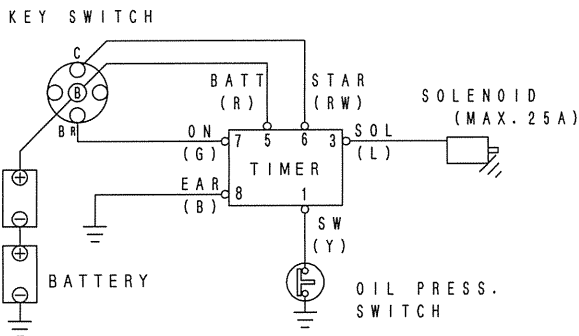
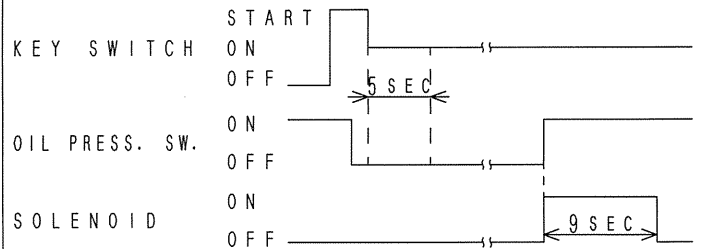
1. IN CASE THE KEY IS TURNED OFF.



2. IN CASE OIL PRESS. SW. IS ON ALL ALONG.



3. IN CASE OIL PRESS. SW. TURN ON AT ENG RUNNING.



配線図

WIRING DIAGRAM

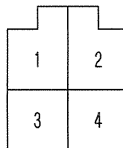
連続してキーON/OFF操作を繰り返さないこと。

NO CONTINUOUS KEY ON/OFF OPERATION PERMITTED.

| 部品番号 PART No. | 電源電圧(標準) VOLTAGE | 許容ソレノイド電流 SOL. MAX. CURRENT | 使用温度範囲 AMBIENT TEMP. |
|------------------|---------------------|--------------------------------|-------------------------|
| 32B90-02400 | 24 V | 25 A | -30~+80°C(-22~+176°F) |

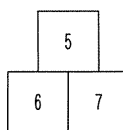
| 符号 SYM | 線色 COLOUR | 接続先 CONNECT FAR SIDE |
|-----------|--------------|-----------------------------|
| 1 | YELLOW | 油圧スイッチ OIL PRESS. SWITCH |
| 2 | | (未使用) UNUSED |
| 3 | BLUE | ソレノイド(+) SOLENOID |
| 4 | BLUE | ソレノイド(-) SOLENOID |
| 5 | RED | バッテリー(+) BATTERY |
| 6 | RED WHITE | キースイッチ START KEY SWITCH |
| 7 | GREEN | キースイッチ ON KEY SWITCH |
| 8 | BLACK | アース EARTH |

A-VIEW



4 POLES FEMALE
CONNECTOR
7323-2446 (YAZAKI)
TO MATE WITH
MM409-663 (MHI)
7122-2446 (YAZAKI)

B-VIEW

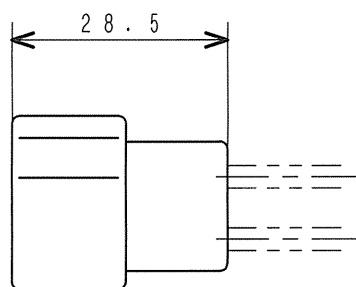
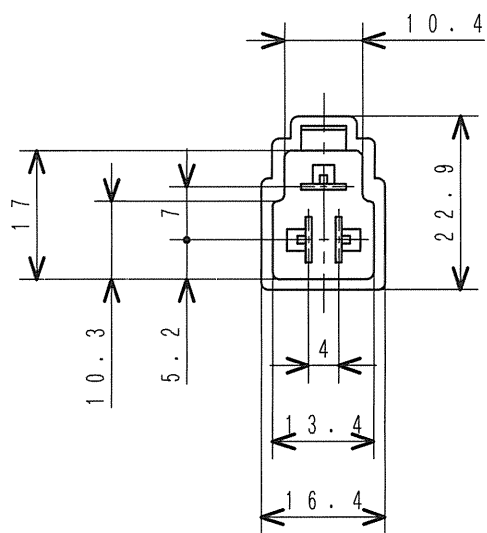


3 POLES FEMALE
CONNECTOR
7323-2237 (YAZAKI)
TO MATE WITH
MM409-661 (MHI)
7322-2237 (YAZAKI)

コントロール タイマ(エマージェンシ リレー)

TIMER, CONTROL (RELAY, EMERGENCY)

32B90-02400

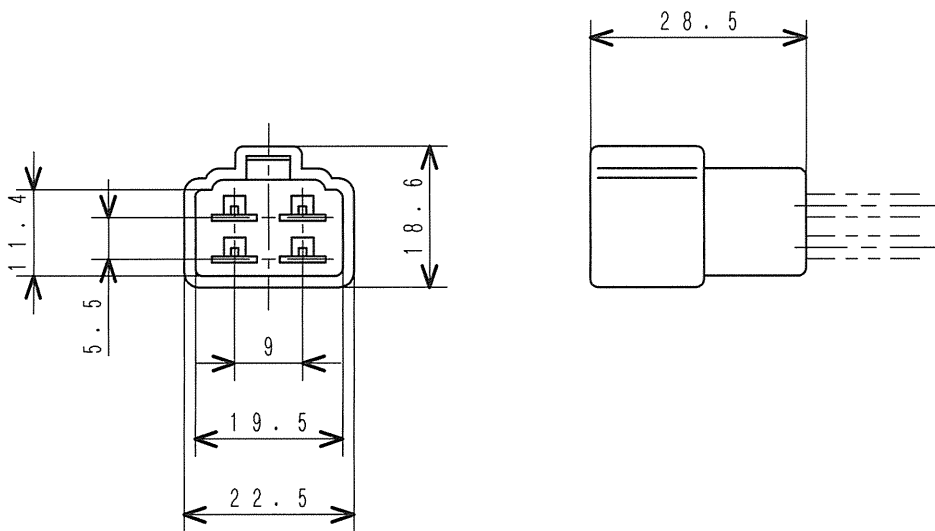


注記 コントロールタイマ用 (YAZAKI 7322-2237)
 NOTE FOR CONTROL TIMER

コネクタ
 CONNECTOR (3 POLES)

MM409-661

MHI CONFIDENTIAL

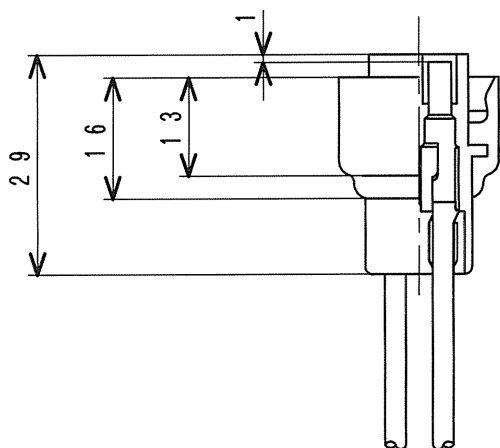
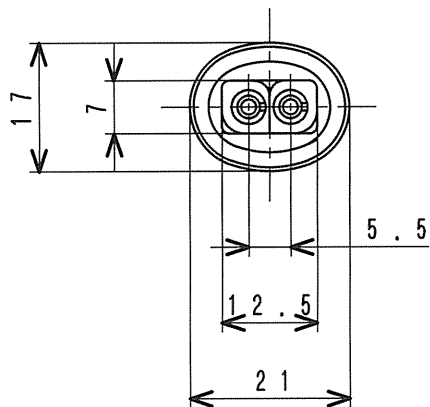


注 記 コントロールタイマ用 (YAZAKI 7122-2446)
 NOTE FOR CONTROL TIMER

コネクタ
 CONNECTOR (4 POLES)

MM409-663

MHI CONFIDENTIAL



注 記 タ*イナモ L, R端子用 (SK ENG ALTERNATOR)
油水分離付燃料フィルタ用

NOTE FOR L AND R TERMINALS OF ALTERNATOR (SK)
FOR FUEL FILTER WITH WATER SEPARATOR

コネクタ

CONNECTOR (2 POLES)

MH052-231

MHI CONFIDENTIAL