| NEED | PURCHASING SPECIFICATION | REQUEST FOR APPROVAL | DELIVERY DRAWING | INSPECTING STANDARD | QC-PROCESS |
|---|---|---|---|---|---|
| ○ | · | · | · | · | · |

| GEN. TOL. | OUTSIDE | INSIDE |
|---|---|---|
| DRAFT ANG. | 2/100 | 3/100 |
| | 3/100 | |

| CAST WALL THICK | NOMINAL DIM. | 5 TO = 10 | 10 TO = 18 | 18 TO = 30 | 30 TO = 50 |
|---|---|---|---|---|---|
| | DIVISION | 5 MAX | | | |
| | SANDMOLD | ±1.0 | ±1.5 | ±2.0 | ±3.0 | ±3.5 |
| | SHELL | ±0.8 | ±1.0 | ±1.5 | ±2.0 | ±2.0 |

| L-CAST | 120 MAX | 120 TO = 250 | 250 TO = 400 | 400 TO = 800 | 800 TO = 1600 | 1600 TO = 3150 |
|---|---|---|---|---|---|---|
| | ±1.5 | ±2.0 | ±3.0 | ±4.0 | ±5.0 | ±7.0 |
| | ±1.0 | ±1.5 | ±2.0 | ±3.0 | ±4.0 | ±6.0 |

| L-CHIP | 0.5 TO = 6 | 6 TO = 30 | 30 TO =120 | 120 TO =400 |
|---|---|---|---|---|
| | ±0.1 | ±0.2 | ±0.3 | ±0.5 |

| ANG-CHIP | 400 TO =1000 | 1000 TO =2000 | 2000 TO =4000 |
|---|---|---|---|
| | ±0.8 | ±1.2 | ±2.0 |

| | 10 MAX | ±1DEG. |
|---|---|---|
| | 10 TO = 50 | ±30MIN. |
| | 50 TO =120 | ±20MIN. |
| | 120 TO =400 | ±10MIN. |
| | 400 MIN | ± 5MIN. |

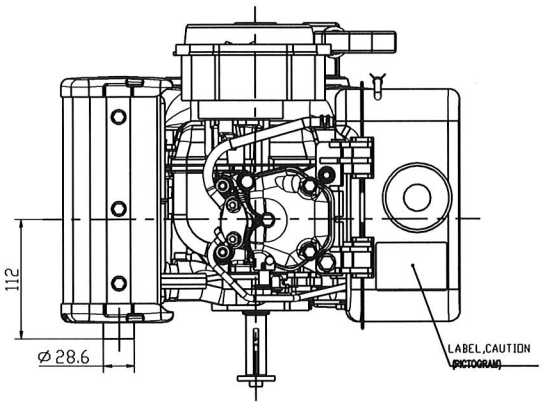
3RD ANGLE PROJECTION

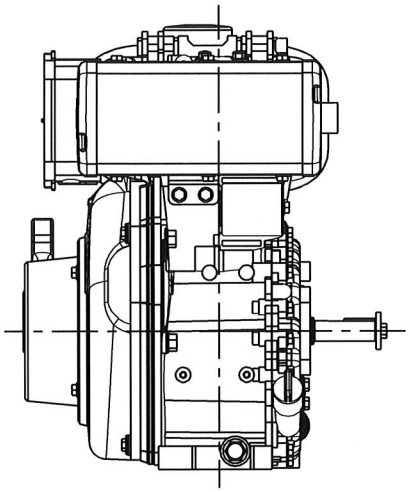
FIGURE DIMENSION

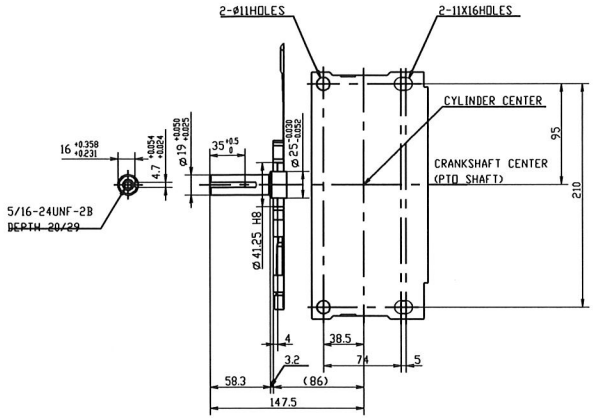
GT.CODE

○ AND △ RADIAL

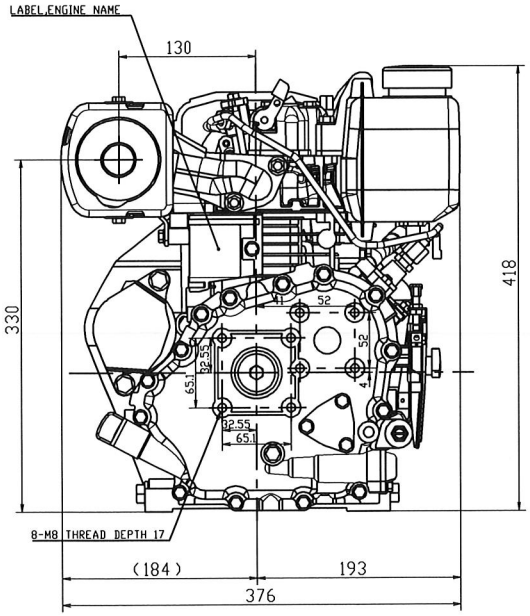
CAREER

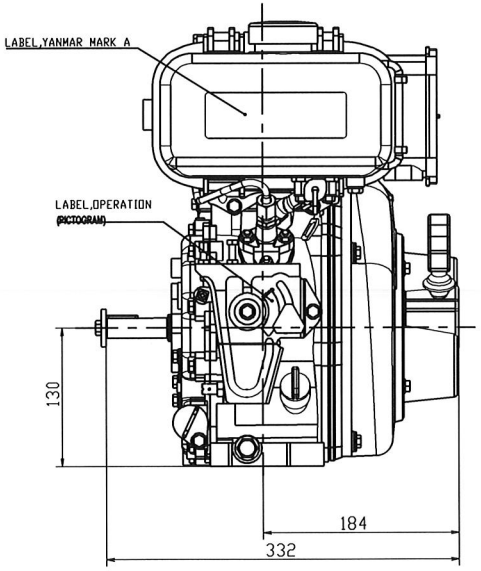


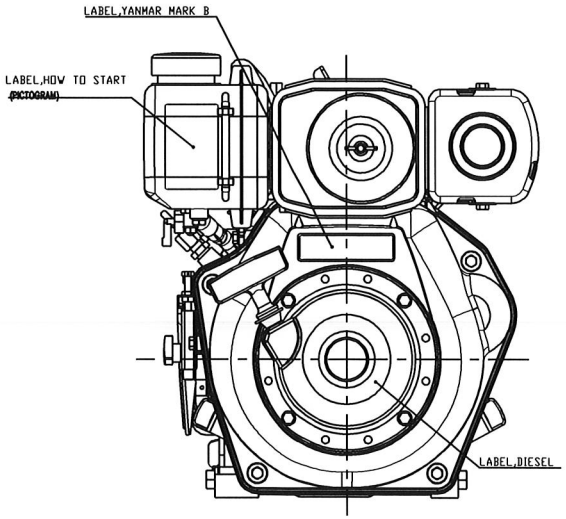






ENGINE MOUNTING PLATE AND PTO SHAFT
SEEN THROUGH FROM THE TOP OF THIS ENGINE




With respect to the use of environmentally hazardous substances (the Regulation on Substances, etc.), there is no requirement specified in YIS V-0001, "Restrictions of use for Environmentally Hazardous Substances".

3D-CAD

NOTICE

| FORM | GEOMETRICAL TOLERANCE | KIND OF TOLERANCE | SYMBOL |
|---|---|---|---|
| | | STRAIGHTNESS TOLERANCE | ⏤ |
| | | CIRCULARITY TOLERANCE | ○ |
| | | SHAPE OF ANY LINE | ⌒ |
| | | FLATNESS TOLERANCE | ▱ |
| | | CYLINDRICITY TOLERANCE | ⌭ |
| | | SHAPE OF ANY SURFACE | ⌓ |
| ORIENTATION | | PARALLELISM TOLERANCE | // |
| | | PERPENDICULARITY TOLERANCE | ⊥ |
| | | ANGULARITY TOLERANCE | ∠ |
| LOCATION | | POSITIONAL TOLERANCE | ⌖ |
| | | CONCENTRICITY OR COAXIALITY TOLERANCE | ◎ |
| | | SYMMETRY TOLERANCE | ⌯ |
| RUN-OUT | | CIRCULAR RUN-OUT TOLERANCE | ↗ |
| | | TOTAL RUN-OUT TOLERANCE | ⌰ |

| | WEIGHT (RAW) | kg (± %) |
|---|---|---|
| | WEIGHT (CALC.) | kg (± %) |
| S.ENGINEER | MANAGER | |
| CHECKED | SPECIALIST | |
| DESIGNED R.Murakami | DRAWN H.Ogawa | DATE(Y.M.D) 01 JUN. 2010 |

| ? | C.MANAGER | S.MANAGER |
|---|---|---|
| ? | | |
| ? | | |
| ? | | |
| ? | SCALE | FREE |
| | MATERIAL | |

MODEL

QTY

NAME OUTLINE L48N5-MTMRYI OUTLINE

YANMAR
POWER SYSTEM OPERATIONS DIV., YANMAR CO., LTD.

CODE B2-14720-0210

DRW SIZE A1