



# SPECIFICATION OF GEAR REDUCER

Document No.

RS No. 01000-114

Order No.

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**CUSTOMER**

MODEL RPH 0.5HP 4P 1/30

**ITEM No.**

QUANTITY

**DRIVEN MACHINE**

Application  
 No. of rev. (NOMINAL) 47.5 rpm  
 Installation Indoor Outdoor  
 Impact load Uniform Medium Heavy  
 Ambient temp. MAX. 40  
 Allowable torque kg m  
 Operating time hour per day  
 Load peak per hour below5 5~10 over 10

**DRIVER**

| Kinds | E.Motor  | Engine       | Others |
|-------|----------|--------------|--------|
| Power | 0.5      | KW HP        |        |
| Type  | TEFC     | Poles 4      |        |
| Phase | Single 3 | Ins. class F |        |
| Cycle | 50 Hz    | Voltage V    |        |
| Speed | 1425     |              | rpm    |

**SPECIFICATION OF REDUCER**

Nominal Ratio 1/30  
 Service factor  
 Power cal. Niemann AGMA BS  
 Additional cooling No Water Fan  
 Lubricant  
 Kinds GREASE  
 Quantity 0.2 kg  
 Viscosity EP GREASE R00  
 Method Oil bath Forced  
 Max. oil temp. 120

**MATERIAL & HEAT TREATMENT**

|               |        |    |
|---------------|--------|----|
| Pinion        | SCM415 | HC |
| Gear          | SCM415 | HC |
| Internal Gear |        |    |
| Worm          |        |    |
| Worm wheel    |        |    |
| Casing        | ADC12  |    |
| Shaft(L.S)    | SM45C  |    |

|        |                |                        |
|--------|----------------|------------------------|
| Symbol | HC:Carburizing | HF:High Frequency      |
|        | HN:Nitriding   | QT:Quenching-Tempering |

**APPENDED DRAWINGS**

Outline dwg. No. GKEN240  
 Sectional dwg No.  
 Painting (Munsell No.) 7.5BG 5/2

**DIRECTION OF REV.(View from shaft side)**

High speed shaft CW CCW  
 Low speed shaft CW CCW  
 Arrangement of shaft

**ACCESSORIES**

**WEIGHT (APPROX.)**

|              |       |
|--------------|-------|
| Driver       | kg    |
| Gear Reducer | kg    |
| Others       | kg    |
| Total        | 11 kg |

**REMARKS**

Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.

\*\*\* PLEASE REFER TO APPENDED DWG. FOR THE FOLLOWING No. :