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|  | <h1>SPECIFICATION OF GEAR REDUCER</h1> | Document No. | |
| | | RS No. | 01000-172 |
| | | Project No. | |
| | | Designer | Choi. D.J |

| | |
|--------------------------------|-----------------|
| CUSTOMER | ITEM No. |
| MODEL RPH 0.5HP 6P 1/20 | QUANTITY |

| DRIVEN MACHINE | | | | DRIVER | | | |
|--------------------|---------------------|---------|---------|--------|---------|---------|------------|
| Application | | | | Kinds | E.Motor | Engine | Others |
| No. of rev. | (NORMINAL) 46.0 RPM | | | Power | 0.5 | KW | HP |
| Installation | Indoor | Outdoor | | Type | TEFC | Poles | 6 |
| Impact load | Uniform | Medium | Heavy | Phase | Single | 3 | Ins. class |
| Ambient temp. | MAX. | 40 | | Cycle | 50HZ | Voltage | |
| Peak torque | kg m | | | Speed | 920 | | rpm |
| Operating time | hour per day | | | | | | |
| Load peak per hour | below5 | 5~10 | over 10 | | | | |

| SPECIFICATION OF REDUCER | | | | | | | |
|---|---------------|--------|-----|-------------------------------------|----------------------------------|--|----|
| Nominal Ratio | 1/20 | | | MATERIAL & HEAT TREATMENT | | | |
| Service factor | | | | Pinion | SCM415 | | HC |
| Power cal. | Niemann | AGMA | BS | Gear | SCM415 | | HC |
| Additional cooling | No | Water | Fan | Internal Gear | | | |
| Lubricant | | | | Worm | | | |
| OIL | | | | Worm wheel | | | |
| GREASE | | | | Casing | | | |
| Quantity | 0.25 | KG | | GC200 | | | |
| Viscosity | EP GREASE R00 | | | Shaft(L.S) | | | |
| Method | Oil bath | Forced | | SM45C | | | |
| Max. oil temp. | 120 | | | Symbol | HC:Carburizing HF:High Frequency | | |
| DIRECTION OF REV.(View from shaft side) | | | | HN:Nitriding QT:Quenching-Tempering | | | |

| APPENDED DRAWINGS | | | | | | | |
|----------------------|----|-----|--|------------------------|-----------|--|--|
| High speed shaft | CW | CCW | | Outline dwg. No. | GKEN241 | | |
| Low speed shaft | CW | CCW | | Sectional dwg No. | | | |
| Arrangement of shaft | | | | Painting (Munsell No.) | 7.5BG 5/2 | | |

| ACCESSARIES | | | | WEIGHT (APPROX.) | | | |
|-------------|--|--|--|------------------|----|----|--|
| | | | | Driver | kg | | |
| | | | | Gear Reducer | kg | | |
| | | | | Others | kg | | |
| | | | | Total | 27 | 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. : | | | | | | |
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