



SPECIFICATION OF GEAR REDUCER

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| Document No. | |
| RS No. | 01000-173 |
| Project No. | |
| Designer | Choi. D.J |

| | |
|--------------------------------|-----------------|
| CUSTOMER | ITEM No. |
| MODEL RPH 0.5HP 6P 1/25 | QUANTITY |

| DRIVEN MACHINE | | | | DRIVER | | | |
|----------------------------------------|--|--|--|--------|----------|------------|--------|
| Application | | | | Kinds | E.Motor | Engine | Others |
| No. of rev. (NORMINAL) 36.8 RPM | | | | Power | 0.5 | KW | HP |
| Installation Indoor Outdoor | | | | Type | TEFC | Poles | 6 |
| Impact load Uniform Medium Heavy | | | | Phase | Single 3 | Ins. class | F |
| 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 1/25 | | | | 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 GREASE | | | | Worm wheel | | | | | | | | |
| Quantity 0.25 KG | | | | Casing GC200 | | | | | | | | |
| Viscosity EP GREASE R00 | | | | Shaft(L.S) SM45C | | | | | | | | |
| Method Oil bath Forced | | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="width: 10%;">Symbol</td> <td colspan="2">HC:Carburizing HF:High Frequency</td> </tr> <tr> <td colspan="2">HN:Nitriding QT:Quenching-Tempering</td> </tr> </table> | | | | Symbol | HC:Carburizing HF:High Frequency | | HN:Nitriding QT:Quenching-Tempering | |
| Symbol | HC:Carburizing HF:High Frequency | | | | | | | | | | | |
| | HN:Nitriding QT:Quenching-Tempering | | | | | | | | | | | |
| Max. oil temp. 120 | | | | APPENDED DRAWINGS | | | | | | | | |
| DIRECTION OF REV.(View from shaft side) | | | | | | | | | | | | |
| 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 | | | |

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|----------------|--------------------------------------------------------------------------|--|--|--|--|--|--|
| 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. : | | | | | | |