


|   |                                  |              |            |
|---|----------------------------------|--------------|------------|
|  | SPECIFICATION OF<br>GEAR REDUCER | Document No. |            |
|   |                                  | RS No.       | 01000-051  |
|   |                                  | Order No.    |            |
|   |                                  | Designer     | Hong.W.Ch. |

|                       |          |
|-----------------------|----------|
| CUSTOMER              | ITEM No. |
| MODEL RPH 5HP 4P 1/15 | QUANTITY |

| DRIVEN MACHINE     |           |         |              | DRIVER  |         |        |        |
|--------------------|-----------|---------|--------------|---------|---------|--------|--------|
| Application        |           |         |              | Kinds   | E.Motor | Engine | Others |
| No. of rev.        | (NOMINAL) | 115.3   | rpm          | Power   | 5       | KW     | HP     |
| Installation       |           | Indoor  | Outdoor      | Type    | TEFC    | Poles  | 4      |
| Impact load        |           | Uniform | Medium       | Heavy   | Phase   | Single | 3      |
| Ambient temp.      |           | MAX.    | 40           | Cycle   | 60      | Hz     | V      |
| Allowable torque   |           |         | kg m         | Speed   |         | 1730   | rpm    |
| Operating time     |           |         | hour per day |         |         |        |        |
| Load peak per hour |           | below5  | 5~10         | over 10 |         |        |        |

| SPECIFICATION OF REDUCER                |  |               |        |      |                           |                                      |
|---|--|---------------|--------|------|---------------------------|--------------------------------------|
| Nominal Ratio                           |  |               | 1/15   |      | 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 |                           |                                      |
| Kinds                                   |  | GREASE        |        |      | Worm wheel                |                                      |
| Quantity                                |  | 0.3           |        | kg   | Casing                    | GC200                                |
| Viscosity                               |  | EP GREASE R00 |        |      | Shaft(L.S) SM45C          |                                      |
| Method                                  |  | Oil bath      | Forced |      | Symbol                    | HC:Carburizing HF:High Frequency     |
| Max. oil temp.                          |  | 120           |        |      |                           | HN:Nitriding QT:Quenching -Tempering |
| DIRECTION OF REV.(View from shaft side) |  |               |        |      | APPENDED DRAWINGS         |                                      |

| DIRECTION OF REV.(View from shaft side) |  |    |     | APPENDED DRAWINGS      |  |           |  |
|---|--|----|-----|------------------------|--|-----------|--|
| High speed shaft                        |  | CW | CCW | Outline dwg. No.       |  | GKEN250   |  |
| Low speed shaft                         |  | CW | CCW | Sectional dwg No.      |  |           |  |
| Arrangement of shaft                    |  |    |     | Painting (Munsell No.) |  | 7.5BG 5/2 |  |

| ACCESSORIES |  |  |  | WEIGHT (APPROX.) |  |    |    |
|-------------|--|--|--|------------------|--|----|----|
|             |  |  |  | Driver           |  | kg |    |
|             |  |  |  | Gear Reducer     |  | kg |    |
|             |  |  |  | Others           |  | kg |    |
|             |  |  |  | Total            |  | 59 | 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. :                |  |  |  |  |  |  |