

SPECIFICATION OF GEAR REDUCER

| Document No. | | | | | | |
|--------------|------------|--|--|--|--|--|
| RS No. | 01000-113 | | | | | |
| Order No. | | | | | | |
| Designer | Hong.W.Ch. | | | | | |

CUSTOMER ITEM No.

MODEL RPH 0.5HP 4P 1/25 QUANTITY

| Installation | DRIVEN MACHINE | | | DRIVER | | | | | | | |
|--|---|--|--------------------------------|----------------------------------|---|----------------------------------|--------|------------|-----------|--|--|
| Installation | Application | | | _ | Kinds | E.N | /lotor | Engine | Others | | |
| Impact load Uniform Medium Heavy Ambient temp. MAX. 40 Cycle 50 Hz Allowable torque kg m 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 Additional cooling No Water Fan Lubricant Worm Kinds GREASE Worm wheel Quantity 0.2 kg Viscosity EP GREASE R00 Method Oil bath Forced Max. oil temp. 120 DIRECTION OF REV. (View from shaft side) High speed shaft CW CCW Arrangement of shaft Additional Interval Gear Worm HC: Carburizing HF: High Frequency HF: High Frequency HR: Nitriding QT: Quenching - Temperical Appendix | No. of rev. (N | OMINAL) | 57.0 | rpm | Power | 0.5 | | KW | HP | | |
| Ambient temp. MAX. 40 Allowable torque kg m 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 Additional cooling No Water Fan Internal Gear Lubricant Worm Kinds GREASE Worm wheel Quantity 0.2 kg Casing ADC12 Viscosity EP GREASE R00 Shaft(L.S) SM45C Method Oil bath Forced Max. oil temp. 120 DIRECTION OF REV.(View from shaft side) High speed shaft CW CCW Outline dwg. No. GKEN240 Arrangement of shaft Park Internal Gwar ADPENDED DRAWINGS Outline dwg. No. GKEN240 ACCESSARIES WEIGHT (APPROX.) | Installation | Indoo | r Out | door | Туре | TEFC | | Poles | 4 | | |
| Allowable torque kg m 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 Kinds GREASE Worm wheel Quantity 0.2 kg Casing ADC12 Viscosity EP GREASE R00 Shaft(L.S) SM45C Method Oil bath Forced Max. oil temp. 120 DIRECTION OF REV.(View from shaft side) High speed shaft CW CCW Outline dwg. No. GKEN240 Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 ACCESSARIES Weight (Approx.) | Impact load | Uniform | Medium | Heavy | Phase | Single | 3 | Ins. class | F | | |
| Operating time hour per day Load peak per hour below5 5~10 over 10 SPECIFICATION OF REDUCER | Ambient temp. | MAX. | 40 | | Cycle | 50 | Hz | Voltage | V | | |
| 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 Kinds GREASE Worm wheel Quantity 0.2 kg Casing ADC12 Viscosity EP GREASE R00 Shaft(L.S) SM45C Method Oil bath Forced Max. oil temp. 120 DIRECTION OF REV. (View from shaft side) High speed shaft CW CCW Outline dwg. No. GKEN240 Low speed shaft CW CCW Sectional dwg No. Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) | Allowable torque kg m | | | Speed | 1425 rpm | | | | | | |
| SPECIFICATION OF REDUCER | Operating time | | hou | r per day | | | | | | | |
| Nominal Ratio 1/25 | Load peak per h | our belo | w5 5 | 5~10 | over 10 |) | | | | | |
| Service factor Power cal. Niemann AGMA BS Additional cooling No Water Fan Lubricant Worm Kinds GREASE Quantity 0.2 kg Viscosity EP GREASE R00 Method Oil bath Forced Max. oil temp. 120 DIRECTION OF REV. (View from shaft side) High speed shaft CW CCW Low speed shaft CW CCW Arrangement of shaft Additional SCM415 HC Gear SCM415 HC Worm Worm Worm wheel Casing ADC12 Shaft(L.S) SM45C HC:Carburizing HF:High Frequence HN:Nitriding QT:Quenching-Temperical APPENDED DRAWINGS Outline dwg. No. GKEN240 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) | SPECIFICATION OF REDUCER | | | | | | | | | | |
| Power cal. Niemann AGMA BS Additional cooling No Water Fan Internal Gear Lubricant Worm Kinds GREASE Worm wheel Quantity 0.2 kg Viscosity EP GREASE R00 Shaft(L.S) SM45C Method Oil bath Forced Max. oil temp. 120 DIRECTION OF REV.(View from shaft side) High speed shaft CW CCW Duty Speed shaft CW CCW Arrangement of shaft Painting (Munsell No.) T.5BG 5/2 ACCESSARIES Gear SCM415 HC Worm Worm Worm wheel Casing ADC12 Shaft(L.S) SM45C HC:Carburizing HF:High Frequence HR:Nitriding QT:Quenching-Temperical Company of the properior of the | Nominal Ratio | | 1/25 MATERIAL & HEAT TREATMENT | | | | | | | | |
| Additional cooling No Water Fan Lubricant Worm Kinds GREASE Quantity 0.2 kg Viscosity EP GREASE R00 Method Oil bath Forced Max. oil temp. 120 DIRECTION OF REV.(View from shaft side) High speed shaft CW CCW Low speed shaft CW CCW Arrangement of shaft ACCESSARIES Internal Gear Worm Worm wheel Casing ADC12 Shaft(L.S) SM45C HC:Carburizing HF:High Frequence HN:Nitriding QT:Quenching-Temperi APPENDED DRAWINGS Outline dwg. No. GKEN240 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) | Service factor | | | | Pinion | | S | CM415 | HC | | |
| Lubricant Kinds GREASE Quantity 0.2 kg Viscosity EP GREASE R00 Method Oil bath Forced Max. oil temp. 120 DIRECTION OF REV. (View from shaft side) High speed shaft CW CCW Low speed shaft CW CCW Arrangement of shaft ACCESSARIES Worm wheel Casing ADC12 Shaft(L.S) SM45C HC:Carburizing HF:High Frequence HN:Nitriding QT:Quenching-Temperi APPENDED DRAWINGS Outline dwg. No. GKEN240 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) | Power cal. | Niemann | AGMA | BS | Gear | | S | CM415 | HC | | |
| Kinds GREASE Quantity 0.2 kg Viscosity EP GREASE R00 Method Oil bath Forced Max. oil temp. 120 DIRECTION OF REV. (View from shaft side) High speed shaft CW CCW Low speed shaft Arrangement of shaft ACCESSARIES Worm wheel Casing ADC12 Shaft(L.S) SM45C HC:Carburizing HF:High Frequence HF:High Fr | Additional coolin | g No | Water | Fan | Internal G | Gear | | | | | |
| Quantity0.2kgCasingADC12ViscosityEP GREASE R00Shaft(L.S)SM45CMethodOil bathForcedSymbolHC:CarburizingHF:High FrequenceMax. oil temp.120HN:NitridingQT:Quenching-TemperiDIRECTION OF REV.(View from shaft side)APPENDED DRAWINGSHigh speed shaftCWCCWOutline dwg. No.GKEN240Low speed shaftCWCCWSectional dwg No.Arrangement of shaftPainting (Munsell No.)7.5BG 5/2WEIGHT (APPROX.) | | Lubricant | | | Worm | | | | | | |
| Viscosity EP GREASE R00 Method Oil bath Forced Max. oil temp. DIRECTION OF REV. (View from shaft side) High speed shaft CW CCW Low speed shaft CW CCW Arrangement of shaft ACCESSARIES Shaft(L.S) SM45C HC:Carburizing HF:High Frequence HN:Nitriding APPENDED DRAWINGS Outline dwg. No. GKEN240 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) | Kinds | G | REASE | | Worm wh | ieel | | | | | |
| MethodOil bathForcedMax. oil temp.120HN:Nitriding QT:Quenching-TemperiDIRECTION OF REV.(View from shaft side)APPENDED DRAWINGSHigh speed shaftCWCCWOutline dwg. No.GKEN240Low speed shaftCWCCWSectional dwg No.Arrangement of shaftPainting (Munsell No.)7.5BG 5/2WEIGHT (APPROX.) | Quantity | 0. | 2 | kg | Casing | | P | ADC12 | | | |
| Max. oil temp. DIRECTION OF REV.(View from shaft side) High speed shaft CW CCW Low speed shaft CW CCW Arrangement of shaft ACCESSARIES Minimized Symbol HN:Nitriding QT:Quenching-Temperion APPENDED DRAWINGS Outline dwg. No. GKEN240 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) | Viscosity | EP GREASE R00 | | | Shaft(L.S | Shaft(L.S) SM45C | | | | | |
| Max. oil temp. 120 DIRECTION OF REV.(View from shaft side) High speed shaft CW CCW Low speed shaft CW CCW Arrangement of shaft ACCESSARIES HN:Nitriding QT:Quenching-Temperi APPENDED DRAWINGS Outline dwg. No. GKEN240 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) | Method | Oil ba | th Fo | rced | Symbol HC:Carburizing HF:High Frequency | | | | Frequency | | |
| High speed shaft CW CCW Outline dwg. No. GKEN240 Low speed shaft CW CCW Sectional dwg No. Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 MEIGHT (APPROX.) | Max. oil temp. | temp. 120 | | | Cymbol | HN:Nitriding QT:Quenching-Temper | | | | | |
| Low speed shaft CW CCW Sectional dwg No. Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 ACCESSARIES WEIGHT (APPROX.) | DIRECTION OF REV.(View from shaft side) | | | | | APPENDED DRAWINGS | | | | | |
| Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 ACCESSARIES WEIGHT (APPROX.) | High speed shaf | t C | W CC | CW | Outline d | wg. No. | | GK | EN240 | | |
| ACCESSARIES WEIGHT (APPROX.) | Low speed shaft | С | W CC | W | Sectional | dwg No. | | | | | |
| ` ' | Arrangement of shaft | | | Painting (Munsell No.) 7.5BG 5/2 | | | | | | | |
| | | ACCESSARIE | S | | | WEI | GHT (A | APPROX.) | | | |
| Driver kg | | | | | Driver | | | | kg | | |
| Gear Reducer kg | | | | | Gear Reducer kg | | | | | | |
| Others kg | | | | | Others | | | | kg | | |
| | | | | | | | | | kg | | |
| Except details specified on this DATA SHEET, all subjects including test | | Except details specified on this DATA SHEET, all subjects including test | | | | | | | | | |
| REMARKS shall be performed in accordance with MAKER STANDARD. | REMARKS | shall be performed in accordance with MAKER STANDARD. | | | | | | | | | |
| *** PLEASE REFER TO APPENDED DWG. FOR THE FOLLOWING No. : | | *** PLEASE REFER TO APPENDED DWG. FOR THE FOLLOWING No.: | | | | | | | | | |