

SPECIFICATION OF GEAR REDUCER

Document No.					
RS No.	01000-195				
Project No.					
Designer	Choi. D.J				

CUSTOMER		ITEM No.
MODEL	RPH 2HP 6P 1/15	QUANTITY

No. of rev. (NORMINAL) 62.7 RPM Power 2 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 940 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 Additional cooling No Water Fan Internal Gear Lubricant Worm OIL GREASE Worm OIL GREASE Worm OIL GREASE Shaft(L.S) SM45C Method Oil bath Forced Max. oil temp. 120 Symbol HC:Carburizing HF:High Frequency HN:Nitriding QT:Quenching-Tempering APPENDED DRAWINGS HC:Carburizing HF:High Frequency HN:Nitriding QT:Quenching-Tempering APPENDED DRAWINGS HC:Carburizing HF:High Frequency HR:Nitriding QT:Quenching-Tempering APPENDED DRAWINGS HC:Carburizing HF:High Frequency HR:Nitriding QT:Quenching-Tempering APPENDED DRAWINGS Couline dwg. No. GKEN247 Couline dwg. No. GKEN247 Couline dwg. No. GKEN247 Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No. Couline dwg. No.	DRIVEN MACHINE			DRIVER					
Installation	Application				Kinds	E.Motor		Engine	Others
Impact load	No. of rev.	(NORMINAL) 62.7 RPM		Power	2		KW	HP	
Ambient temp. MAX. 40 Cycle 50HZ Voltage Peak torque kg m Speed 940 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 Lubricant Worm OIL GREASE Worm wheel Quantity 0.3 KG Casing GC200 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 Sectional dwg No. Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 ACCESSARIES Painting (Munsell No.) 7.5BG 5/2 Priver kg Gear Reducer kg Others kg Total 56 kg Except details specified on this DATA SHEET, all subjects including test Shall be performed in accordance with MAKER STANDARD.	Installation	Indoor Outdoor		Туре	TEFC		Poles	6	
Peak torque kg m Speed 940 rpm Operating time hour per day over 10 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 Worm Worm OIL GREASE Worm wheel Quantity 0.3 KG Casing GC200 Wiscosity EP GREASE R00 Shaft(L.S) SM45C Method Oil bath Forced Symbol HC:Carburizing HF:High Frequency Max. oil temp. 120 Symbol APPENDED DRAWINGS HR:High Frequency High speed shaft CW CW Sectional dwg No. GKEN247 Low speed shaft CW <t< td=""><td>Impact load</td><td>Uniform</td><td>Medium</td><td>Heavy</td><td>Phase</td><td>Single</td><td>3</td><td>Ins. class</td><td>F</td></t<>	Impact load	Uniform	Medium	Heavy	Phase	Single	3	Ins. class	F
Nominal Ratio	Ambient temp.	MAX.	40		Cycle	50HZ		Voltage	
SPECIFICATION OF REDUCER	Peak torque	kg m			Speed	940 rpm			
SPECIFICATION OF REDUCER Nominal Ratio	Operating time		hour	per day	-				
Nominal Ratio	Load peak per ho	our be	low5	5~10	over 10				
Service factor Power cal. Niemann AGMA BS Additional cooling No Water Fan Lubricant OIL GREASE Worm Viscosity EP GREASE R00 Method Oil bath Forced Max. oil temp. DIRECTION OF REV. (View from shaft side) High speed shaft CW CCW Arrangement of shaft Parrangement of shaft ACCESSARIES Pinion SCM415 HC Gear SCM415 HC Internal Gear Worm Worm Worm wheel Casing GC200 Shaft(L.S) SM45C HC:Carburizing HF:High Frequency HN:Nitriding QT:Quenching-Tempering APPENDED DRAWINGS Outline dwg. No. GKEN247 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg Gear Reducer kg Others kg Total 56 kg Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.			SF	ECIFICA	TION OF RE	DUCER			
Power cal. Niemann AGMA BS Additional cooling No Water Fan Lubricant OIL GREASE Quantity 0.3 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 ACCESSARIES Diver kg Gear SCM415 HC Internal Gear Worm Worm wheel Casing GC200 Shaft(L.S) SM45C HC:Carburizing HF:High Frequency HN:Nitriding QT:Quenching-Tempering APPENDED DRAWINGS Outline dwg. No. GKEN247 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg Gear Reducer kg Others kg Total 56 kg Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.	Nominal Ratio		1/15			MATERIAL	. & HE	AT TREATM	IENT
Additional cooling No Water Fan Lubricant Worm OIL GREASE Worm wheel Quantity 0.3 KG Casing GC200 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. GKEN247 Low speed shaft CW CCW Sectional dwg No. Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 ACCESSARIES Driver kg Gear Reducer kg Others kg Others kg Total 56 kg Except details specified on this DATA SHEET, all subjects including test Shall be performed in accordance with MAKER STANDARD.	Service factor				Pinion		S	CM415	HC
Lubricant OIL GREASE Quantity 0.3 KG Casing GC200 Viscosity EP GREASE R00 Method Oil bath Forced Max. oil temp. DIRECTION OF REV.(View from shaft side) High speed shaft CW CCW Arrangement of shaft ACCESSARIES DIVIDED TO SHAFT ACCESSARIES Lubricant Worm Worm Worm Worm Worm Worm Worm Worm	Power cal.	Niemann	AGMA	BS	Gear		S	CM415	HC
OIL GREASE Quantity 0.3 KG Casing GC200 Shaft(L.S) Method Oil bath Forced Max. oil temp. DIRECTION OF REV.(View from shaft side) High speed shaft CW CCW Arrangement of shaft ACCESSARIES DIVERTION OF REV. ACCESSARIES ACCES	Additional cooling	g No	Water	Fan	Internal G	ear			
Quantity APPENDED DRAWINGS Quantity Quantity APPENDED Quantity Quantity HC:Carburizing HF:High Frequency HN:Nitriding QT:Quanching-Tempering APPENDED Quantity Quantity APPENDED Quantity Quantity APPENDED Quantity Quantity Quantity APPENDED Quantity Quantity Quantity APPENDED Quantity Quantity Quantity Quantity Quantity APPENDED Quantity Quantity Quantity APPENDED Quantity Quantity APPENDED Quantity Quantity APPENDED Quantity Quantity Quantity APPENDED APPENDED Quantity Quantity APPENDED APPE	Lubricant				Worm				
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 Driver ACCESSARIES Driver ACCESSARIES Except details specified on this DATA SHEET, all subjects including test Symbol HC:Carburizing HF:High Frequency HN:Nitriding QT:Quenching-Tempering APPENDED DRAWINGS Outline dwg. No. GKEN247 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg Gear Reducer kg Others kg Total 56 kg Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.	OIL GREASE		Worm wheel						
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 Painting (Munsell No.) ACCESSARIES Driver Rear Reducer Reduce	Quantity	0.3 KG			Casing	Casing GC200			
Max. oil temp. 120 DIRECTION OF REV.(View from shaft side) High speed shaft CW CCW Arrangement of shaft ACCESSARIES Driver ACCESSARIES Driver Kg Gear Reducer Others Kg Others Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.	Viscosity	EP GREASE R00			Shaft(L.S)	5	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 Driver Gear Reducer Others Kg Others Kg Total Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.	Method	Oil bat	h Fo	rced	HC:Carburizing HF:High Frequency				
High speed shaft CW CCW Outline dwg. No. GKEN247 Low speed shaft CW CCW Sectional dwg No. Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.)	Max. oil temp.	ip. 120			J Symbol	HN:Nitriding QT:Quenching-Tempering			
Low speed shaft CW CCW Arrangement of shaft ACCESSARIES Driver Kg Gear Reducer Others Total Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.	DIRECTION OF REV.(View from shaft side)			APPENDED DRAWINGS					
Arrangement of shaft ACCESSARIES Painting (Munsell No.) WEIGHT (APPROX.) Driver kg Gear Reducer kg Others kg Total 56 kg Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.	High speed shaft		CW (CCW				GK	(EN247
ACCESSARIES Driver kg Gear Reducer kg Others kg Total 56 kg Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.	Low speed shaft CW CCW				Sectional dwg No.				
Driver kg Gear Reducer kg Others kg Total 56 kg Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.	Arrangement of shaft			Painting (Munsell No.) 7.5BG 5/2				BG 5/2	
Gear Reducer kg Others kg Total 56 kg Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.	ACCESSARIES				WEIGHT (APPROX.)				
Others kg Total 56 kg Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.									kg
Total 56 kg Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.				Gear Red	Gear Reducer			kg	
REMARKS Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.					-				kg
REMARKS shall be performed in accordance with MAKER STANDARD.					Total 56 kg				
·		Except details specified on this DATA SHEET, all subjects including test							
*** PLEASE REFER TO APPENDED DWG. FOR THE FOLLOWING No. :	REMARKS								
	G No.:								