

SPECIFICATION OF GEAR REDUCER

Document No.					
RS No.	01000-2413				
Project No.					
Designer	Choi. D.J				

CUSTOMER ITEM No.

MODEL RPH 3HP 4P 1/100 QUANTITY

Application	DRIVEN MACHINE				DRIVER					
Installation	Application				Kinds	E.N	Motor	Engine	Others	
Impact load	No. of rev.	(NORMINAL) 14.3 RPM		Power	3		KW	HP		
Ambient temp. MAX. 40 Cycle 50HZ Voltage Peak torque kg m Speed 1430 rpm Operating time hour per day Load peak per hour below5 5~10 over 10 SPECIFICATION OF REDUCER Nominal Ratio 1/100 MATERIAL & HEAT TREATMENT Service factor Pinion SCM415 HC Additional cooling No Water Fan Internal Gear Lubricant Worm OIL GREASE Worm wheel Quantity 1.8 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 CW CCW Arrangement of shaft ACCESSARIES WIGHT (APPROX.) Driver kg	Installation	Indoor Outdoor		Туре	TEFC	TEFC		4		
Peak torque kg m Speed 1430 rpm Operating time hour per day 100 <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	
Departing time	Ambient temp.	MAX.	40		Cycle	50HZ		Voltage		
Load peak per hour below5 5-10 over 10	Peak torque		k	Speed		1430 rpm				
SPECIFICATION OF REDUCER Nominal Ratio	Operating time		hour p	oer day						
Nominal Ratio 1/100 MATERIAL & HEAT TREATMENT Service factor Pinion SCM415 HC Power cal. Niemann AGMA BS Additional cooling No Water Fan Lubricant Worm OIL GREASE Worm wheel Quantity 1.8 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 Arrangement of shaft ACCESSARIES MATERIAL & HEAT TREATMENT Pinion SCM415 HC Rear SCM415 HC Gear SCM415 HC Gear SCM415 HC Accessaries 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. GKEN275 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg	Load peak per he	our bel	low5	5~10	over 10	1				
Service factor Power cal. Niemann AGMA BS Additional cooling No Water Fan Lubricant OIL GREASE Quantity 1.8 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 Pinion SCM415 HC Gear SCM415 HC Internal Gear Worm Worm Worm Worm Worm Worm Worm Wor			SP	ECIFICAT	TION OF RE	DUCER				
Power cal. Niemann AGMA BS Additional cooling No Water Fan Lubricant Worm OIL GREASE Worm wheel Quantity 1.8 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 Low speed shaft CW CCW Arrangement of shaft ACCESSARIES DROW Additional Gear Worm Worm Worm Worm Worm Worm Worm Wo	Nominal Ratio		1/100			MATERIAL	. & HE	AT TREATM	ENT	
Additional cooling No Water Fan Lubricant OIL GREASE Quantity 1.8 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 ACCESSARIES Internal Gear Worm Worm wheel Casing GC200 Shaft(L.S) SM45C MHC: Carburizing HF: High Frequency HN: Nitriding QT: Quenching - Tempering APPENDED DRAWINGS Outline dwg. No. GKEN275 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg	Service factor				Pinion		S	CM415	HC	
Lubricant OIL GREASE Quantity 1.8 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 GC200 Shaft(L.S) SM45C HC:Carburizing HF:High Frequency HN:Nitriding QT:Quenching-Tempering APPENDED DRAWINGS Outline dwg. No. GKEN275 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg	Power cal.	Niemann	AGMA	BS	Gear		S	CM415	HC	
OIL GREASE Quantity 1.8 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 GC200 Shaft(L.S) SM45C HC:Carburizing HF:High Frequency HN:Nitriding QT:Quenching-Tempering APPENDED DRAWINGS Outline dwg. No. GKEN275 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg	Additional coolin	g No	Water	Fan	Internal G	Gear				
Quantity1.8 KGCasingGC200ViscosityEP GREASE R00Shaft(L.S)SM45CMethodOil bathForcedHC:CarburizingHF:High FrequencyMax. oil temp.120HN:Nitriding QT:Quenching-TemperingDIRECTION OF REV.(View from shaft side)APPENDED DRAWINGSHigh speed shaftCWCCWOutline dwg. No.GKEN275Low speed shaftCWCCWSectional dwg No.Arrangement of shaftPainting (Munsell No.)7.5BG 5/2ACCESSARIESWEIGHT (APPROX.)Driverkg		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 Shaft(L.S) SM45C HC:Carburizing HF:High Frequency HN:Nitriding QT:Quenching-Tempering APPENDED DRAWINGS Outline dwg. No. GKEN275 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg	OIL GREASE			Worm wheel						
MethodOil bathForcedMax. oil temp.120DIRECTION OF REV.(View from shaft side)HN:Nitriding QT:Quenching-TemperingHigh speed shaftCWCCWLow speed shaftCWCCWArrangement of shaftCWCCWAccessariesPainting (Munsell No.)7.5BG 5/2Driverkg	Quantity	1.8 KG			Casing GC200					
Max. oil temp. 120 DIRECTION OF REV.(View from shaft side) High speed shaft Low speed shaft CW CCW Arrangement of shaft ACCESSARIES Mixing QT:Quenching-Tempering APPENDED DRAWINGS Outline dwg. No. GKEN275 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg	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 Low speed shaft CW CCW Arrangement of shaft ACCESSARIES Max. oil temp. 120 HN:Nitriding QT:Quenching-Tempering APPENDED DRAWINGS Outline dwg. No. GKEN275 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg	Method	Oil bath	h Fo	rced	Symbol HC:Carburizing HF:High Frequency					
High speed shaft CW CCW Outline dwg. No. GKEN275 Low speed shaft CW CCW Sectional dwg No. Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 MCCESSARIES WEIGHT (APPROX.) Driver kg	Max. oil temp.		120	Cymbol	HN:Nitrid	HN:Nitriding QT:Quenching-Tempering				
Low speed shaft CW CCW Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 ACCESSARIES WEIGHT (APPROX.) Driver kg	DIRECTION OF REV.(View from shaft side)				APPENDED DRAWINGS					
Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg	High speed shaft	t (CW (CCW	Outline d	wg. No.		GK	EN275	
ACCESSARIES WEIGHT (APPROX.) Driver kg	Low speed shaft	Sectional dwg No.								
Driver kg					Painting (Munsell No.) 7.5BG 5/2					
		WEIGHT (APPROX.)								
O D - 1					Driver				kg	
Gear Reducer kg					Gear Reducer				kg	
Others kg					Others				kg	
Total 102 kg		Total 102 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	·								
*** PLEASE REFER TO APPENDED DWG. FOR THE FOLLOWING No. :		*** PLEASE REFER TO APPENDED DWG. FOR THE FOLLOWING No. :								