

SPECIFICATION OF GEAR REDUCER

Document No.						
RS No.	01000-140					
Order No.						
Designer	Hong.W.Ch.					

CUSTOMER ITEM No.

MODEL RPH 2HP 4P 1/45 QUANTITY

Installation Indoor Outdoor Impact load Uniform Medium Heavy Phase Single 3 Ins. class Fambient temp. MAX. 40 Cycle 50 Hz Voltage Allowable 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 1/45 MATERIAL & HEAT TREATMENT Service factor Pinion SCM415 HC Additional cooling No Water Fan Internal Gear Lubricant Worm Kinds GREASE Worm wheel Quantity 0.5 kg Casing GC200 Viscosity EP GREASE R00 Method Oil bath Forced Type TEFC Poles 4 Ins. class F Voltage Alns. class F Voltage Alns. class F Voltage Alns. class F Montage Fan Internal Gear Voltage Fan Internal Gear Worm HC:Carburizing HF:High Frequency Symbol HC:Carburizing HF:High Frequency	DRIVEN MACHINE			DRIVER							
Installation	Application				Kinds	E.M	lotor	Engine	Others		
Impact load Uniform Medium Heavy Ambient temp. MAX. 40 Cycle 50 Hz Voltage Allowable torque kg m Operating time hour per day Load peak per hour below5 5 ~ 10 over 10 SPECIFICATION OF REDUCER Nominal Ratio 1/45 MATERIAL & HEAT TREATMENT Service factor Pinion SCM415 HC Additional cooling No Water Fan Internal Gear Lubricant Worm Kinds GREASE Worm wheel Quantity 0.5 kg Casing GC200 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 Phase Single 3 Ins. class F Voltage MATERIAL & HEAT TREATMENT Pinion SCM415 HC Sear SCM415 HC MATERIAL & HEAT TREATMENT Pinion SCM415 HC Sear SCM415 HC HICHARD SCM415 HC Sear SCM415 HC MATERIAL & HEAT TREATMENT Pinion SCM415 HC Worm Worm Worm Hour per day Over 10 SCM415 HC Sear SCM415 HC Sear SCM415 HC Sear SCM415 HC HICHARD SCM415 HC Sear S	No. of rev. (NO	OMINAL)	31.8	rpm	Power	2		KW	HP		
Ambient temp. MAX. 40 Cycle 50 Hz Voltage Allowable 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 1/45 MATERIAL & HEAT TREATMENT Service factor Pinion SCM415 HC Power cal. Niemann AGMA BS Additional cooling No Water Fan Internal Gear Lubricant Worm Kinds GREASE Worm wheel Quantity 0.5 kg Casing GC200 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 Driver kg Gear Reducer Max. Voltage AH2 Voltage Voltage AH2 Voltage Fpm Speed 1430 rpm MATERIAL & HEAT TREATMENT Pinion SCM415 HC Gear SCM415 HC Casing GC200 Shaft(L.S) SM45C HC: Carburizing HF:High Frequency HN:Nitriding QT:Quenching-Temperin APPENDED DRAWINGS Outline dwg. No. GKEN245 WEIGHT (APPROX.) Driver kg Gear Reducer kg	Installation	Indoor	r Out	door	Type	TEFC	_	Poles	4		
Allowable torque	Impact load	Uniform	Medium	Heavy	Phase	Single	3	Ins. class	F		
Departing time	Ambient temp.	MAX.	40		Cycle	50	Hz	Voltage	V		
Load peak per hour below5 5~10 over 10	Allowable torque			kg m	Speed		1430		rpm		
Nominal Ratio 1/45 MATERIAL & HEAT TREATMENT	Operating time		hou	r per day							
Nominal Ratio 1/45	Load peak per ho	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 0.5 kg Viscosity EP GREASE R00 Max. oil temp. 120 DIRECTION OF REV. (View from shaft side) High speed shaft CW CCW Low speed shaft ACCESSARIES Pinion SCM415 HC Gear SCM415 HC Internal Gear Worm Worm Worm Worm Whod Casing GC200 Shaft(L.S) SM45C HC:Carburizing HF:High Frequency HN:Nitriding QT:Quenching-Tempering APPENDED DRAWINGS Outline dwg. No. GKEN245 Weight (APPROX.) Driver kg Gear Reducer kg	SPECIFICATION OF REDUCER										
Power cal. Niemann AGMA BS Additional cooling No Water Fan Internal Gear Lubricant Worm Kinds GREASE Worm wheel Quantity 0.5 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 Gear SCM415 HC Internal Gear Worm Worm Worm Worm HC: Casing GC200 Shaft(L.S) SM45C HC: Carburizing HF: High Frequency HN: Nitriding QT: Quenching - Temperin APPENDED DRAWINGS Outline dwg. No. GKEN245 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg Gear Reducer kg	Nominal Ratio		1/45		MATERIAL & HEAT TREATMENT						
Additional cooling No Water Fan Lubricant Worm Kinds GREASE Quantity 0.5 kg Casing GC200 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 ACCESSARIES Internal Gear Worm wheel Casing GC200 Shaft(L.S) SM45C HC:Carburizing HF:High Frequency HN:Nitriding QT:Quenching-Temperin APPENDED DRAWINGS Outline dwg. No. GKEN245 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg Gear Reducer kg	Service factor				Pinion		S	CM415	HC		
Lubricant Kinds GREASE Quantity 0.5 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. GKEN245 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg Gear Reducer kg	Power cal.	Niemann	AGMA	BS	Gear		S	CM415	HC		
Kinds GREASE Quantity 0.5 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. GKEN245 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg Gear Reducer kg	Additional cooling	g No	Water	Fan	Internal G	Gear					
Quantity0.5kgCasingGC200ViscosityEP GREASE R00Shaft(L.S)SM45CMethodOil bathForcedForcedHC:CarburizingHF:High FrequencyMax. oil temp.120HN:NitridingQT:Quenching-TemperingDIRECTION OF REV.(View from shaft side)APPENDED DRAWINGSHigh speed shaftCWCCWOutline dwg. No.GKEN245Low speed shaftCWCCWSectional dwg No.Arrangement of shaftPainting (Munsell No.)7.5BG 5/2WEIGHT (APPROX.)DriverkgGear Reducerkg		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. GKEN245 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg Gear Reducer kg	Kinds	G	REASE		Worm wh	neel					
MethodOil bathForcedMax. oil temp.120DIRECTION OF REV.(View from shaft side)High speed shaftCWCCWLow speed shaftCWCCWArrangement of shaftCWCCWAccessariesPainting (Munsell No.)7.5BG 5/2Weight (Approx.)DriverkgGear ReducerKg	Quantity	0.5	5	kg	Casing		(GC200			
Max. oil temp. 120 DIRECTION OF REV.(View from shaft side) High speed shaft CW CCW Arrangement of shaft ACCESSARIES Max. oil temp. 120 HN:Nitriding QT:Quenching-Tempering APPENDED DRAWINGS Outline dwg. No. GKEN245 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg Gear Reducer kg	Viscosity	EP GF	REASE RO	0	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 MEIGHT (APPROX.) Driver kg Gear Reducer KPENDED DRAWINGS APPENDED DRAWINGS Outline dwg. No. GKEN245 Sectional dwg No. Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.)	Method	Oil bat	h For	ced	Symbol HC:Carburizing HF:High Frequency				Frequency		
High speed shaft CW CCW Outline dwg. No. GKEN245 Low speed shaft CW CCW Sectional dwg No. Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 MCCESSARIES Driver kg Gear Reducer kg	Max. oil temp. 120					HN:Nitriding QT:Quenching-Tempering					
Low speed shaft CW CCW Sectional dwg No. Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 MEIGHT (APPROX.) Driver kg Gear Reducer kg	DIRECTION OF REV.(View from shaft side) APPENDED DRAWINGS										
Arrangement of shaft Painting (Munsell No.) 7.5BG 5/2 WEIGHT (APPROX.) Driver kg Gear Reducer kg	High speed shaft	CI	N CC	W	Outline d	wg. No.		GK	EN245		
ACCESSARIES Driver kg Gear Reducer kg	Low speed shaft	Cl	N CC	W	Sectional	l dwg No.					
Driver kg Gear Reducer kg	Arrangement of shaft			Painting (Munsell No.) 7.5BG 5/2							
Gear Reducer kg		ACCESSARIE	S			WEI	GHT (A	APPROX.)			
					Driver				kg		
Others kg					Gear Reducer kg						
								kg			
Total 45 kg											
		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.:									