

Motor Data

1. The data listed below are the design values.

【208V】

		15HP (11kW)	20HP (15kW)	25HP (18.5kW)	30HP (22kW)
Pole		4			
Full Load Current (A)		44.2	58.1	70.8	80.7
Efficiency (%)	1/2 Load	78.9	79.7	83.0	83.8
	3/4 Load	81.8	82.8	84.5	84.2
	1/1 Load	82.1	83.2	84.6	84.5
Power Factor (%)	1/2 Load	73.0	79.2	78.1	83.4
	3/4 Load	80.7	84.4	83.8	88.3
	1/1 Load	84.1	86.1	85.7	89.6
Start Current (A)		241	262	329	392
Locked-Rotor-Torque (%)		301	221	204	209
Power Cable Size		AWG 4	AWG 4	AWG 4 X 2	AWG 4 X 2
Power Cable Length		50ft (15m)			

【230V】

		15HP (11kW)	20HP (15kW)	25HP (18.5kW)	30HP (22kW)
Pole		4			
Full Load Current (A)		40.0	52.6	64.0	73.0
Efficiency (%)	1/2 Load	78.8	79.8	83.0	83.9
	3/4 Load	81.7	82.8	84.6	84.0
	1/1 Load	82.1	83.1	84.7	84.2
Power Factor (%)	1/2 Load	73.0	79.2	78.1	82.3
	3/4 Load	80.7	84.4	83.7	88.4
	1/1 Load	84.1	86.1	85.7	89.8
Start Current (A)		266	290	364	434
Locked-Rotor-Torque (%)		358	284	279	264
Power Cable Size		AWG 4	AWG 4	AWG 4 X 2	AWG 4 X 2
Power Cable Length		50ft (15m)			

DWG.	Hayashi	Apr. 25. 2017	Mark	History		DWG. No.
JUDG	Takeuchi	Apr. 25. 2017	1	Correction of error (Starting current)		
APRD.	Tarui	Apr. 25. 2017				
						Y404929

Motor Data

【460V】

		15HP (11kW)	20HP (15kW)	25HP (18.5kW)	30HP (22kW)
Pole		4			
Full Load Current (A)		20.0	26.3	32.0	36.5
Efficiency (%)	1/2 Load	78.8	79.8	83.0	83.9
	3/4 Load	81.7	82.8	84.6	84.0
	1/1 Load	82.1	83.1	84.7	84.2
Power Factor (%)	1/2 Load	73.0	79.2	78.1	82.3
	3/4 Load	80.7	84.4	83.7	88.4
	1/1 Load	84.1	86.1	85.7	89.8
Start Current (A)		133	145	182	217
Locked-Rotor-Torque (%)		324	298	266	290
Power Cable Size		AWG 10	AWG 10	AWG 4	AWG 4
Power Cable Length		50ft (15m)			

		40HP (30kW)	50HP (37kW)
Pole		4	
Full Load Current (A)		50.5	61.2
Efficiency (%)	1/2 Load	76.7	81.3
	3/4 Load	80.6	84.0
	1/1 Load	82.0	84.2
Power Factor (%)	1/2 Load	84.3	80.2
	3/4 Load	89.1	87.1
	1/1 Load	90.9	90.1
Start Current (A)		286	340
Locked-Rotor-Torque (%)		340	317
Power Cable Size		AWG4	AWG4 X 2
Power Cable Length		50ft (15m)	

ShinMaywa Submersible Sewage Pump CNX/CNXH (Explosion Proof) Protector

【Thermal Protector】

The motor shall incorporate Miniature Thermal Protectors (MTP) as a standard, which are embedded in the winding.

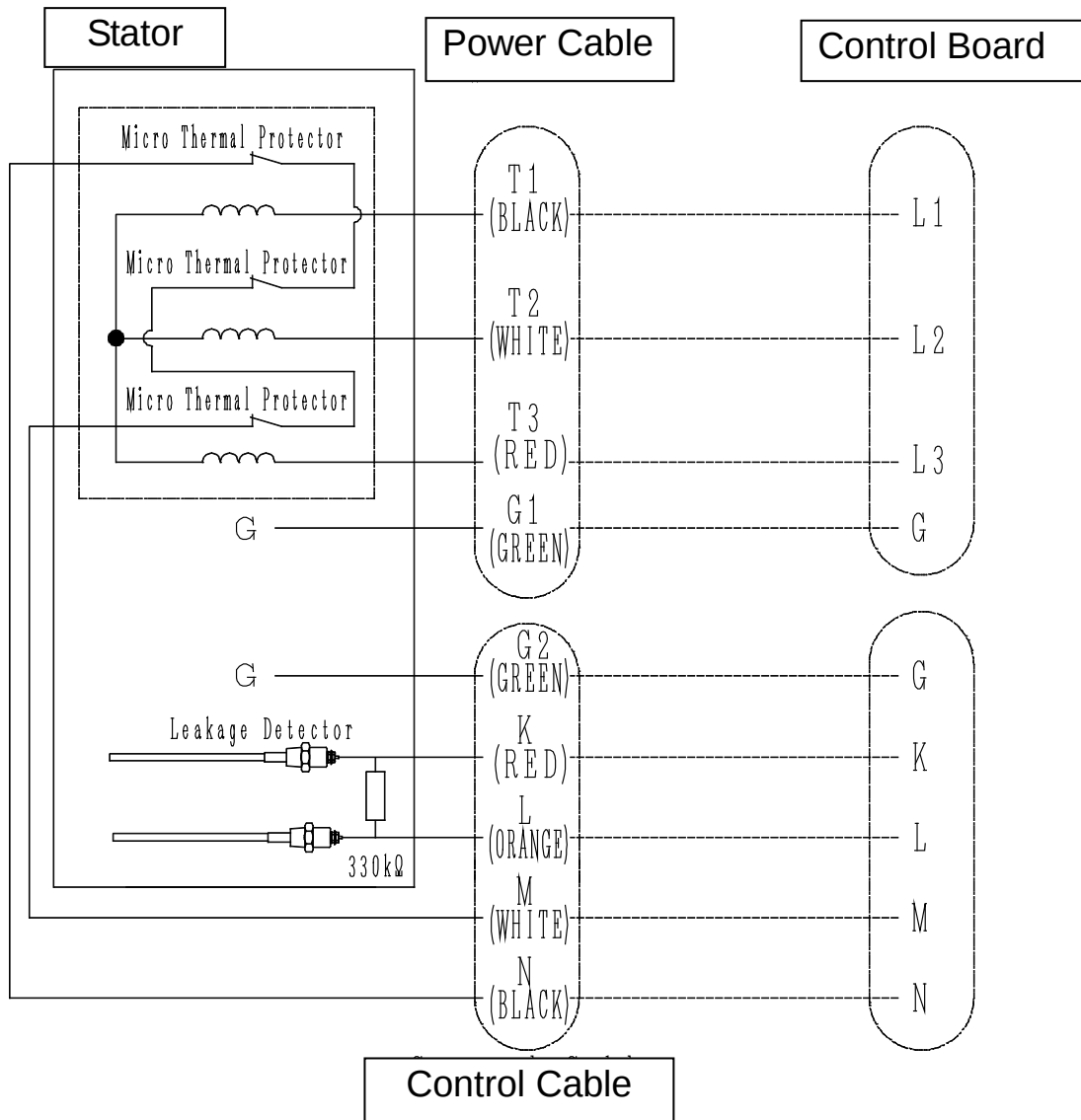
Output	Protector Model	Type of Contact	Acting Temperature	Max. Contact Rating
15HP, 20HP, 25HP, 30HP 40HP 50HP	KLIXON 9700 K66-215	b (Normally Closed)	284±9°F (140±5°C)	230VAC, 13A

【Leakage Detector】

Dual-electrode leakage detector is installed in the oil chamber for sensing water penetration into there.

Protector Model	Electrode Capacity
GEMS SENSORS INC. 3H1B	30VAC, 1mA

Wiring Diagram



※Type of contact

1. Thermal Protector: b (Normally Closed)
2. Leakage Detector: a (Normally Open)