

MOTOR

SUBMERSIBLE MOTORS



台灣 鯊威



50 Hz



4"

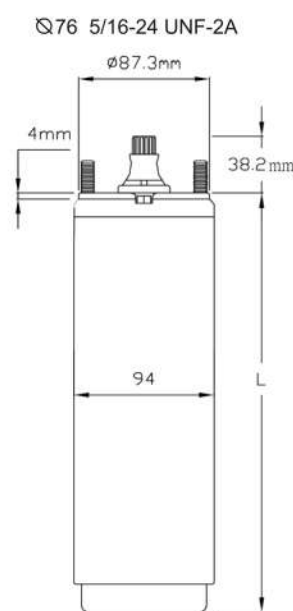
Canned Type 屏蔽電機

特點及使用範圍

本產品採用的是水潤滑設計，內部填充的溶液包含純水潤滑，內外水冷却，避免使用水環境污染，屬環保型。高可靠性及耐久性能產品，無需特殊維護，不易變形或斷裂，電氣性能優異、效率高。定子外管由不銹鋼焊接，內有不銹鋼內襯，由環氧樹脂填灌密封提供良好絕緣效果，耐腐蝕、散熱快、抗深水壓力，使用工作潛水深度可達300米，可適用於各式沉水泵浦提供水中最佳動力。

BASIC FEATURES

This product uses a water-lubricated design, internal filling solution contains pure water lubricated, internal and external water cooling. Avoid using water pollution, is environmentally friendly. High reliability and durability products, no special maintenance, not easily to deformation ancracking, excellent electrical performance and high efficiency. Stator outer shell made of stainless steel welding, stainless steel innerlining,.Epoxy resin provide good insulation,corrosion resistance,fast heat dissipation,against deep water pressure. Working depth up to 300 meters. Suitable to all kinds of submersible pumps to provide the best power and ensure reliable long-term maintenance-free operation.



Technical Specifications:

技術規格

- 安裝尺寸 NEMA Mounting Dimensions
- 電壓變動率 60HZ/50HZ, Volts ±10%
- 絕緣等級 Insulation: Class F
- 屏蔽式定子 Canned Type-Hermetically-Sealed Stator.
- 外觀全不銹鋼All Stainless Steel Exterior Construction.
- 可折式導線 Removable lead connector.
- 樹脂填充、水潤式 Resin System-Water Lubrication.
- 過濾器止回閥 Filter Check Valve.
- 自調式推力軸承 Kingsbury-Type Thrust Bearing.
- 壓力平衡膜 Pressure Equalizing Diaphragm.
- 認證 CE、ISO9001、UL、NSF372.
- 所有電機100%測試 All motor prefilled and 100% tested.



Part Construction Materials

物料表

- | | | | |
|---|------------------|----------------------|--------------|
| ■ Motor(Stator) Shell 定子外殼 | AISI 304/316 | ■ Lead Potting 灌封式導線 | Epoxy |
| ■ Motor End Bells 電機上下外蓋 | AISI 304/316 | ■ Lead Nut 導線螺帽 | AISI 304/316 |
| ■ Motor Shaft 電機軸心 | AISI 410/316 | ■ Sand Slinger 防沙套 | NBR |
| ■ Upper and Lower Radial Bearings 上下固定部徑向軸承 | Carbon Sleeve | ■ Diaphragm 壓力平衡膜 | NBR |
| ■ Lead Wire 電力導線 | XPLE / PVC Cable | ■ Seal 唇型軸封 | NBR |

規格表 SPECIFICATION



1 Ø
2 Wire/PSC
單相 2 線式

型號 MODEL	規格 RATING			滿載 FULL LOAD		效率 EFF%			功率 P.F%			堵住電流 LOCKED AMPS	尺寸 Dimensions		導線 CABLE	
	KW	V	HZ	A	W	F.L.	3/4	1/2	F.L.	3/4	1/2		Length (mm)	Weight (kg)	(mm)	(M)
MW4031225	0.25	220	50	2.3	456	50	42	33	92	88	81	9	276	8.3	2C+E*1.5²	1.2
MW4051225	0.37	220	50	3.5	660	52	44	35	92	89	82	18	291	9	2C+E*1.5²	1.2
MW4071225	0.55	220	50	4.7	998	58	54	46	92	90	82	24	319	10.3	2C+E*1.5²	1.2
MW4101225	0.75	220	50	6	1132	61	55	45	93	90	83	28	348	11.3	2C+E*1.5²	1.2
MW4151225	1.1	220	50	8	1648	68	63	50	93	90	85	38	396	14	2C+E*1.5²	1.5

1 Ø
3 Wire/PSC
單相 3 線式

型號 MODEL	規格 RATING			滿載 FULL LOAD		效率 EFF%			功率 P.F%			堵住電流 LOCKED AMPS	尺寸 Dimensions		導線 CABLE	
	KW	V	HZ	A	W	F.L.	3/4	1/2	F.L.	3/4	1/2		Length (mm)	Weight (kg)	(mm)	(M)
MW4031235	0.25	220	50	2.3	456	50	42	33	92	88	81	9	226	7.6	3C+E*1.5²	1.2
MW4051235	0.37	220	50	3.2	655	55	53	43	72	64	53	18	241	8.1	3C+E*1.5²	1.2
MW4071235	0.55	220	50	4.2	955	58	55	47	69	60	50	24	269	9.5	3C+E*1.5²	1.2
MW4101235	0.75	220	50	5.7	1200	62	59	52	73	67	53	28	298	10.4	3C+E*1.5²	1.2
MW4151235	1.1	220	50	8.1	1712	65	59	50	87	83	79	38	345	13.2	3C+E*1.5²	1.5
MW4201235	1.5	220	50	10.6	2270	68	66	60	88	83	75	45	384	14.6	3C+E*1.5²	1.5
MW4301235	2.2	220	50	15.2	3290	70	64	58	96	96	94	60	531	23	3C+E*2.0²	2.0
MW4501235	3.7	220	50	24	5180	72	71	58	99	98	97	90	686	30	3C+E*2.0²	2.0

1 Ø
3 Wire
單相 3 線式

型號 MODEL	規格 RATING			滿載 FULL LOAD		效率 EFF%			功率 P.F%			堵住電流 LOCKED AMPS	尺寸 Dimensions		導線 CABLE	
	KW	V	HZ	A	W	F.L.	3/4	1/2	F.L.	3/4	1/2		Length (mm)	Weight (kg)	(mm)	(M)
MW4031235	0.25	220	50	2.3	456	50	42	33	73	64	53	9	226	7.6	3C+E*1.5²	1.2
MW4051235	0.37	220	50	4.3	655	55	53	43	72	64	53	15	241	8.1	3C+E*1.5²	1.2
MW4071235	0.55	220	50	6.5	955	58	55	47	69	60	50	23	269	9.5	3C+E*1.5²	1.2
MW4101235	0.75	220	50	7.6	1200	62	59	52	73	67	53	29	298	10.4	3C+E*1.5²	1.2
MW4151235	1.1	220	50	9.4	1712	65	59	50	87	83	79	46	345	13.2	3C+E*1.5²	1.5
MW4201235	1.5	220	50	11	2173	68	66	60	88	83	75	53	384	14.6	3C+E*1.5²	1.5
MW4301235	2.2	220	50	16	3488	66	64	58	96	96	94	70	531	23	3C+E*2.0²	2.0
MW4501235	3.7	220	50	26	5934	63	60	51	98	96	97	100	686	30	3C+E*2.0²	2.0

MOTOR



Three-Phase Motor
(50HZ) RPM2850
三相

Kingsbury-Type Thrust Bearing.

推力軸承

Hermetically-Sealed Stator.

屏蔽式定子

型號 MODEL	規格 RATING			滿載 FULL LOAD		內阻 LINE TO LINE RESISTANCE OHMS			效率 EFF%			功率 PF%			堵住電流 LOCKED AMPS	尺寸 Dimensions		導線 CABLE	
	KW	V	HZ	A	W	F.L.	3/4	1/2	F.L.	3/4	1/2	Length (mm)	Weight (kg)	Length (mm)		Weight (kg)			
																	(mm)	(kg)	
MW4053235	0.37	220	50	2.0	560	16.4-20.0	66	64	59	78	70	57	7.4	224	7.2	3C+E*1.5'	1.2		
MW4053335	0.37	380-415	50	1.2	560	55.3-67.5	66	64	59	78	70	57	4.9	224	7.2	3C+E*1.5'	1.2		
MW4083235	0.55	220	50	2.9	830	11.2-13.8	66	65	60	80	72	60	10	241	8.1	3C+E*1.5'	1.2		
MW4083335	0.55	380-415	50	1.7	830	37.6-46.0	66	65	60	80	72	60	7.8	241	8.1	3C+E*1.5'	1.2		
MW4103235	0.75	220	50	3.6	1050	8.5-10.4	67	66	61	81	72	60	15	269	9.0	3C+E*1.5'	1.2		
MW4103335	0.75	380-415	50	2.1	1050	25.9-31.7	67	66	61	81	72	60	10.6	269	9.0	3C+E*1.5'	1.2		
MW4153235	1.1	220	50	5.5	1470	4.2-5.1	70	69	63	79	70	57	25	298	10.4	3C+E*1.5'	1.5		
MW4153335	1.1	380-415	50	3.2	1470	13.4-16.3	70	69	63	79	70	57	14	298	10.4	3C+E*1.5'	1.5		
MW4203235	1.5	220	50	6.9	2120	3.3-4.1	75	75	72	83	75	62	36	345	13.2	3C+E*1.5'	1.5		
MW4203335	1.5	380-415	50	4.0	2120	9.1-11.1	75	75	72	83	75	62	21	345	13.2	3C+E*1.5'	1.5		
MW4303235	2.2	220	50	10.4	3100	2.4-2.9	71	71	67	84	77	65	48	454	18.2	3C+E*2.0'	2.0		
MW4303335	2.2	380-415	50	6.0	3100	7.2-8.8	76	76	72	83	76	63	28	454	18.2	3C+E*2.0'	2.0		
MW4403235	3	220	50	13.1	4000	1.5-1.8	72	73	71	85	78	65	73	496	20	3C+E*2.0'	2.0		
MW4403335	3	380-415	50	7.6	4000	4.5-5.5	76	77	74	85	78	65	42	496	20	3C+E*2.0'	2.0		
MW4503235	3.7	220	50	16.4	5030	1.3-1.6	75	74	71	84	77	65	80	531	23	3C+E*2.0'	2.0		
MW4503335	3.7	380-415	50	9.5	5030	4.0-4.9	75	74	71	84	77	65	46	531	23	3C+E*2.0'	2.0		
MW4553235	4	220	50	18.0	5370	1.0-1.3	74	75	71	86	79	67	102	556	24	3C+E*2.0'	2.0		
MW4553335	4	380-415	50	10.5	5370	2.9-3.6	76	77	75	84	77	64	55	556	24	3C+E*2.0'	2.0		
MW4753235	5.5	220	50	22.8	7430	0.8-1.0	77	76	72	83	76	60	120	686	30	3C+E*2.0'	3.0		
MW4753335	5.5	380-415	50	13.0	7430	2.5-3.1	75	76	73	86	79	66	70	686	30	3C+E*2.0'	3.0		
MW41003335	7.5	380-415	50	18.7	9720	1.6-2.0	76	76	73	82	74	61	100	756	34	3C+E*2.0'	3.0		

6"

Canned type series 屏蔽式系列

Technical Specifications:

技術規格

- 安裝尺寸 6" NEMA flange
- 防水等級 Protection "IP 68
- 每小時起動次數 Starts per hour: max20
- 安裝方式 Installation : 水平/垂直 vertical/horizontal
- 使用電壓 Standard Voltage: 380-415V/50Hz ,
- Voltage tolerance 50Hz: -10%/+6% , 60Hz: ±10%
- 絕緣等級 Insulation: Class F
- 絕緣等級 Insulation: Class F
- 起動方式 Y-START (POS.OF CABLES 90°)
- 使用溫度 Rated ambient temperature: 4-30 Kw up to 30° C , 37 & 45 Kw up to 50°
- 冷卻流速 Cooling flow: min 0.16 m/s
- 馬達出口導線 Motor lead in 3m length

Three-Phase Motor
(50HZ) RPM2850
三相



型號 MODEL	功率 P (kW)	軸負荷 Thrust (N)	電壓 (V)	轉速 RPM	滿載 (A)	堵住電流 LOCKED AMPS	效率 (Eff. (%) at % load			功因 cos φ (pf.) at % load			扭力 (Nm)	尺寸	
							50	75	100	50	75	100		L	m
							(mm)	(kg)							
MW60403235	4.0	15.500	380-415	2850	9.8	41	74.0	77.0	78.0	0.62	0.74	0.82	12.3	546	34.5
MW60553235	5.5	15.500	380-415	2850	13.0	62	74.0	77.5	78.0	0.63	0.75	0.82	18.6	579	37.8
MW60753235	7.5	15.500	380-415	2850	17.8	81	75.0	77.5	78.0	0.70	0.81	0.86	25.0	611	41.0
MW60933235	9.3	15.500	380-415	2850	21.7	105	78.0	79.0	80.0	0.58	0.72	0.8	31.1	644	44.3
MW61103235	11.0	15.500	380-415	2860	23.8	118	78.5	79.5	80.0	0.68	0.79	0.85	37.3	676	46.5
MW61503235	15.0	15.500	380-415	2860	31.3	159	79.0	81.5	81.0	0.70	0.8	0.85	49.9	741	53.0
MW61853235	18.5	15.500	380-415	2860	38.3	220	80.0	82.5	82.0	0.68	0.79	0.85	62.4	806	59.5
MW62203235	22.0	15.500	380-415	2860	45.6	256	81.0	83.0	83.0	0.71	0.81	0.86	74.7	871	66.0
MW63003235	30.0	27.500	380-415	2860	63.4	381	80.5	83.0	83.0	0.67	0.79	0.84	99.4	1001	79.0
MW63703235	37.0	27.500	380-415	2880	72.8	405	82.0	84.5	84.5	0.72	0.82	0.87	123.6	1388	117.0
MW64503235	45.0	27.500	380-415	2870	93.4	504	82.0	84.5	86.0	0.70	0.8	0.84	148.4	1540	132.0

4"

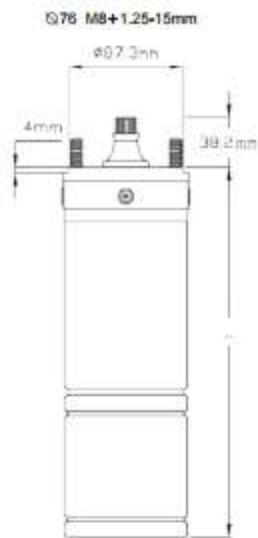
Oil Filled Type 充油式電機

特點及使用範圍

本產品內部採用食品級潤滑油，高效能滾珠軸承，其堅固的中心滾珠軸承使運行平穩而耐久，採用漆包線可重繞式繞組，電氣性能優異、效率高、維修快速方便。不銹鋼外管。耐腐蝕、散熱快、抗深水壓力，使用工作潛水深度可達300米。可適用於各式沉水泵浦提供水中最佳動力。

BASIC FEATURES

This product is internal filling food oil, high-performance ball bearings mak sturdy center running smoothly and durable Using enameled winding service-able, good electrical properties, high efficiency, quick and easy repair. Stainless steel shell corrosion resistance, heat quickly. Anti-deep water pressure. Use Work diving depth of up to 300 meters. Applicable to all kinds of submerged water pump to provide the best power.



Technical Specifications:

技術規格

- 安裝尺寸 4" NEMA flange
- 電壓變動率 50HZ Volts $\pm 10\%$
- 絕緣等級 insulation: class F
- 防水等級 Degree of protection: IP 68
- 環境溫度 Rated ambient temperature: 35°C
- 冷卻流速 Cooling flow: min. 0.08 m/s
- 最大起動次數 Max starts: 40/h
- 最大深度 Max operating depth: 300m
- 食品級潤滑油 Food oil lubricated
- 壓力平衡膜 Diaphragm of pressure compensation
- 軸負荷 Axial thrust supported form angular ball bearing
- from 0.5hp to 1.5hp-2000N ; from 2hp to 3hp-3000N;
- from 4hp to 5.5hp-4000N; from 7.5hp to 10hp-5000N
- 認證 CE、ISO9001

Part Construction Materials

物料表

- 電線 Cable XPLE
- 防沙套 Sand Slinger NBR
- 軸封 Lip Seal NBR
- 機械軸封 Mechanical Seal Carbon-Graphite
- 軸心 Motor Shaft AISI 304/410/316
- 螺絲 Screws AISI 304/316
- 蓋子 Covers AISI 304/316
- O環 O-Ring NBR
- 軸承座 Brackets Cast Iron / AISI304/316
- 滾珠軸承 Ball Bearings AISI52100
- 壓力平衡膜 Diaphragm NBR

規格表 SPECIFICATION

Stainless steel bracket 不銹鋼托架

1 ϕ 3 Wire/PSC 單相 3 線式

insulation: class H

200C = H級繞組

型號 MODEL	規格 RATING			滿載 FULL LOAD		效率 EFF%	功率 PF%	電容器 Capacitor μF	堵轉電流 LOCKED AMPS	尺寸		導線 CABLE	
	KW	V	HZ	A	W					Length (mm)	Weight (kg)	(mm)	(M)
NSL4051235	0.37	220	50	3.2	760	55	0.97	20	15	312	7.5	3C+E*1.5 ²	1.2
NSL4081235	0.55	220	50	4.5	980	61	0.95	25	20	327	8.5	3C+E*1.5 ²	1.2
NSL4101235	0.75	220	50	5.8	1200	63	0.94	35	25	357	10	3C+E*1.5 ²	1.2
NSL4151235	1.1	220	50	8.2	1800	65	0.96	40	35	397	11.5	3C+E*1.5 ²	1.5
NSL4201235	1.5	220	50	10.7	2250	69	0.95	50	40	427	13	3C+E*1.5 ²	1.5
NSL4301235	2.2	220	50	15	3160	70	0.97	80	60	507	17	3C+E*2.0 ²	2.0
NSL4501235	3.7	220	50	25	5934	71	0.97	130	100	657	24.5	3C+E*2.0 ²	2.0

Three-Phase Motor 三相

型號 MODEL	規格 RATING			滿載 FULL LOAD		效率 EFF%	功率 PF%	堵轉電流 LOCKED AMPS	尺寸		導線 CABLE	
	KW	V	HZ	A	W				Length (mm)	Weight (kg)	(mm)	(M)
NSL4053235	0.37	220	50	2.3	560	66	78	7.4	297	6.5	3C+E*1.5 ²	1.2
NSL4053335		380-415	50	1.2	560	66	78	4.9			3C+E*1.5 ²	1.2
NSL4083235	0.55	220	50	2.8	830	66	80	10	312	7.5	3C+E*1.5 ²	1.2
NSL4083335		380-415	50	1.6	830	66	80	7.8			3C+E*1.5 ²	1.2
NSL4103235	0.75	220	50	3.8	1050	67	81	15	327	8.5	3C+E*1.5 ²	1.2
NSL4103335		380-415	50	2.2	1050	67	81	10.6			3C+E*1.5 ²	1.2
NSL4153235	1.1	220	50	5.3	1470	70	79	25	357	10	3C+E*1.5 ²	1.5
NSL4153335		380-415	50	2.8	1470	70	79	14			3C+E*1.5 ²	1.5
NSL4203235	1.5	220	50	7.2	2120	75	83	36	397	11.5	3C+E*1.5 ²	1.5
NSL4203335		380-415	50	3.9	2120	75	83	21			3C+E*1.5 ²	1.5
NSL4303235	2.2	220	50	10.3	3100	71	84	48	467	14.5	3C+E*2.0 ²	2.0
NSL4303335		380-415	50	5.6	3100	76	83	28			3C+E*2.0 ²	2.0
NSL4403235	3	220	50	13.5	4000	72	85	73	507	17	3C+E*2.0 ²	2.0
NSL4403335		380-415	50	7.3	4000	76	85	42			3C+E*2.0 ²	2.0
NSL4503235	3.7	220	50	16.4	5030	75	84	80	542	19.5	3C+E*2.0 ²	2.0
NSL4503335		380-415	50	8.6	5030	75	84	46			3C+E*2.0 ²	2.0
NSL4553235	4	220	50	17.6	5370	74	86	102	567	20.5	3C+E*2.0 ²	2.0
NSL4553335		380-415	50	10.2	5370	76	84	55			3C+E*2.0 ²	2.0
NSL4753235	5.5	220	50	22.4	7430	77	83	120	657	24.5	3C+E*2.0 ²	3.0
NSL4753335		380-415	50	13.2	7430	75	86	70			3C+E*2.0 ²	3.0
NSL41003335	7.5	380-415	50	18.5	9720	76	82	100	757	29	3C+E*2.0 ²	3.0