

*Clean Power. Complete Solutions.*



**NORTHERN LIGHTS**

*Accessories for Marine Generators*  
*5 - 38 kW 60 Hz/1800 rpm | 4.5 - 32 kW 50 Hz/1500 rpm*



***MAKING THE BEST EVEN BETTER***

Northern Lights offers the most comprehensive line of accessories in the industry. From high output battery charging alternators to exhaust gas / water separators, Northern Lights' list of options and decades of experience with custom configurations is unmatched.

Add a sound attenuating enclosure for the ultimate in quiet power or a PTO to run your bow thruster. 12 or 24-volt, single or three phase, wet or dry exhaust, heat exchanged or keel cooled, Northern Lights offers it! A panel in the galley, stateroom and wheelhouse? No problem!

Let Northern Lights build a generator to your specifications at the factory. You'll save time and money by avoiding expensive modifications in the field. Northern Lights builds generators with options to comply with a variety of classification societies such as Lloyd's, ABS, DNV, and RINA.

This accessory brochure lists many of our more popular options. To learn more about these options and others not listed, simply contact your Northern Lights' dealer or call the factory. With Northern Lights, you get the features you want.

*Northern Lights, Inc.*

1 (800) 762-0165

info@northern-lights.com

www.northern-lights.com

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# Northern Lights Accessories

## Sound Enclosures

The highest performing enclosures in the industry, Northern Lights sound shields are designed to attenuate up to 20 dBA. Trigger latch panels open to single-side serviceability and their white, powder-coated finish is both durable and elegant.



## Electric Fuel Pump

Adds design flexibility by allowing the fuel tank and generator to be installed further apart. Also allows easier fuel system bleeding.



## PTO's

Available on models 12kW and up, the front power take-off gives you up to 48 Hp, dependent on model size and RPM. Run accessories like hydraulic thrusters, windlass or sail equipment at the flip of the switch with this powerful option.



## Safety Switches

Protect your generator set with an array of safety switches. Choose options like overspeed, low coolant level or low oil level to monitor and diagnose your generator set's vital functions.



## Water Lift Muffler

Cools hot exhaust gasses and silences exhaust noise. Our standard model is listed, but a variety of other styles and configurations are available. Contact your Northern Lights dealer for the solution that is right for your vessel.



## High Output Alternator

Increase your battery charging capabilities with a high output alternator. An adjustable voltage regulator for use with either lead acid or gel cell batteries is optional. Available on M773LW3 and larger models.



## Dry Exhaust Flex

Connects the exhaust system to the engine and reduces vibration transmission through the dry exhaust. Also allows for remote mounting of the muffler and compensates for the thermal expansion of the exhaust system.



## Spare Parts Kit

Belts, gaskets, o-rings, pumps, and much more – be prepared and organized for routine maintenance and troubleshooting in tough marine environments. Our Standard Kit contains and organizes basic repair parts, while the World Class Kit outfits you for longer voyages.



## Siphon Break

Prevents raw water from siphoning back into the engine. Standard on 5 & 6 kW, optional on 8-38 kW models. Intended for use with wet exhaust systems only.



## Compound Mounting

Make our low-vibration base frames even better by adding compound mounts. Effectively neutralizing noise from base frame vibration, compound mounts are corrosion protected for longevity in the marine environment. Our mounts are engineered to add only minimal height.



## Primary Fuel Filters / Water Separators

Extend your generator's life by removing contaminants in the fuel. These fuel filters are designed to protect the engine from damaging particles and water, thereby enhancing performance and increasing reliability.



## Gas / Water Separator

Reduce the exhaust noise associated with splashing, with a Gas / Water Separator. Exhaust gas is separated from the water and diverted off the transom, while the water is allowed to exit under the hull.



# Part Numbers

	M673LD3	M673L3	M773LW3	M843NW3	M844DW3	M844LW3	M864W3	M944W	M944T
<b>KW RATINGS</b>									
60 Hz/50 Hz	5 / 4.5	6 / 5	9 / 7	12 / 10	16 / 12	20 / 16	25 / 20	30/26	38/32
<b>SOUND ENCLOSURES</b>									
Northern Lights Sound Enclosures	05-78010 <sup>1</sup>	05-78010 <sup>1</sup>	05-78610 <sup>1</sup>	05-73110 <sup>1</sup>	05-70010 <sup>1</sup>	05-70010 <sup>1</sup>	05-78720	05-01200	05-71220 <sup>1</sup>
<b>POWER TAKE OFF (PTO)</b>									
PTO w/electric clutch 12 Volt	n/a	n/a	n/a	34-63100	34-68420	34-68420	34-68701	34-61201	34-61221
PTO w/ electric clutch 24 Volt	n/a	n/a	n/a	34-63115	34-68425	34-68425	34-68706	34-61206	34-61226
<b>EXHAUST SYSTEMS</b>									
Water Lift Type Muffler	00-38300	00-38300	00-32000	00-32000	00-32000	00-32000	00-35400	00-35400	00-35400
Gas/Water Separator	00-32006	00-32006	00-32007	00-32007	00-32007	00-32007	00-35406	00-35406	00-35406
Dry Exh. - Critical Residential	27-31232	27-31232	27-31213	27-31213	27-31213	27-31213	27-31214	27-31214	27-31214
Dry Exhaust Flex	27-38302	27-38302	27-31904	27-31904	27-31904	27-31904	27-30010	27-30010	27-31004
Siphon Break	Standard	Standard	27-18301	27-18301	27-18301	27-18301	27-18301	27-18301	27-18301
<b>FUEL SYSTEMS</b>									
Standard Fuel Filter	24-52020	24-52020	24-52020	24-52020	24-52020	24-52020	24-52020	24-51230	24-51240
Primary Fuel Filter/Separator	24-50013	24-50013	24-50013	24-50013	24-50013	24-50013	24-50013	24-50013	24-50013
Primary Metal Bowl Filter/Separator	24-50004	24-50004	24-50004	24-50004	24-50004	24-50004	24-50004	24-50004	24-50004
Electric Fuel Pump 12 Volt	26-71003	26-71003	26-71003	26-71003	26-71003	26-71003	26-71003	26-71003	26-71003
Electric Fuel Pump 24 Volt	26-71004	26-71004	26-71004	26-71004	26-71004	26-71004	26-71004	26-71004	26-71004
<b>DC ELECTRICAL SYSTEMS</b>									
12 Volt Isolated Ground	22-78300	22-78300	22-78601	22-73100	22-78100	22-78100	22-78701	22-71201	22-71241
24 Volt Isolated Ground	n/a	n/a	22-78611	22-43150	22-78410	22-78410	22-78711	22-71211	22-71251
24 Volt Standard Ground	n/a	n/a	22-78606	22-43140	22-78110	22-78400	22-78706	22-71206	22-71246
<b>SAFETY SWITCHES</b>									
Overspeed Switch	n/a	n/a	22-72010	22-72010	22-72010	22-72010	22-78745	22-71203	22-71214
Low Water Level	n/a	n/a	n/a	37-12005	37-12005	37-12005	37-75420	37-11200	37-11200
Low Oil Level	n/a	n/a	n/a	n/a	n/a	n/a	37-78700	37-71200	37-71210
<b>12 VOLT ALTERNATORS (51 Amp.)</b>									
High Output w/ Adj. Regulator	n/a	n/a	22-78640	22-72015	22-78440	22-78440	22-78715	22-71215	22-71216
<b>SPARE PARTS KITS</b>									
Standard - Heat Exchanger	38-08015	38-08015	38-08605	38-03120	38-08420	38-08420	38-08700	38-01200	38-01204
World Class - Heat Exchanger	38-08019	38-08019	38-08612	38-03126	38-08426	38-08426	38-08702	38-01201	38-01205
Standard - Keel Cooling	38-08016	38-08016	38-08606	38-03130	38-08430	38-08430	38-08701	38-01202	38-01206
World Class - Keel Cooling	38-08020	38-08020	38-08613	38-03136	38-08436	38-08436	38-08703	38-01203	38-01207
<b>OIL FILTER</b>									
Northern Lights Oil Filter	24-08001	24-08001	24-02002	24-02002	24-02002	24-02002	24-02002	24-01201	24-01201
<b>COMPOUND MOUNTS</b>									
Platform Mounting Kit	33-88000	33-88000	33-88000	33-82005	33-82005	33-82005	33-82005	33-81210 <sup>2</sup>	33-81210 <sup>2</sup>

**Footnotes:**

- 1- Consult factory for part number of enclosures used with PTO option.
- 2. Mounts only.

**WARRANTY & SUPPORT**

Northern Lights generators, including parts and accessories, are backed by an unmatched, transferable global warranty.

Northern Lights' worldwide dealer network is over 350 strong. Our factory trained dealers offer parts, accessories, and service in more than 40 countries.

Visit our web site at [www.northern-lights.com](http://www.northern-lights.com) to locate the dealer nearest you.



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# Panels, Harnesses and Circuit Breakers

PANELS	
S-1 (12 Volt)	22-92110
S-1 (24 Volt)	22-92115
S-1B (12 Volt) - standard	22-92120
S-1B (24 Volt)	22-92125
S-3B (12 Volt)	22-91201
S-3B (24 Volt)	22-91229
S-3C (12 Volt)	22-91216
S-3C (24 Volt)	22-91217
S-4A	22-90540
S-4B NMEA enclosure	22-90445
S-4F Flush mount	22-90440
HARNESSES (All)	
10 ft.	22-40928
20 ft.	22-40930
40 ft.	22-40937
70 ft.	22-40970
100 ft.	22-40410
"Y" Harness	22-40932
CIRCUIT BREAKERS	
M673D3 - M844LW3	
40 amp single phase 240 VAC	22-70240
50 amp single phase 240 VAC	22-70250
60 amp single phase 240 VAC	22-70260
70 amp single phase 240 VAC	22-70270
80 amp single phase 240 VAC	22-70280
100 amp single phase 240 VAC	22-70300
M864W3	
100 amp three ph. 120/208 VAC	22-73300
125 amp single ph. 240 VAC	22-62125
M944W3-M944T3	
*150 amp single ph. 120/240 VAC	22-70350
*125 amp three ph. 120/208 VAC	22-70325

## Northern Lights Control Panels

Choose the amount of control you need, and the flexibility you want. Northern Lights offers a varied line of panels for machines up to 30kW, each available in 12 or 24 volt. These handsome panels allow you to monitor and control your generator from one of several location on board. Custom panels are also available.

S-1 Panel. Includes: run light, start/stop and shutdown bypass, preheat switch (L: 3.38" x H: 2.88")



S-1B Panel:  
Length - 5.5" x Height - 2.88"

S-1B Panel. Includes: run light, engine hourmeter, start/stop, and shutdown bypass/preheat switch. (L: 5.5" x H: 2.88")

S-3B Panel. Includes: DC voltmeter, water temperature gauge, oil pressure gauge, engine hourmeter, start/stop, and shutdown bypass/preheat switch. Includes a NMEA compliant enclosure. (L: 10" x H: 8" x D: 4")



S-3B Panel:  
Length - 10" x Height - 8"

S-3C Panel. Includes: DC voltmeter, water temperature gauge, oil pressure gauge, engine hourmeter, start/stop, and shutdown bypass/preheat switch. Available with enclosure (L: 7" x H: 5.25")



S-3C Panel:  
Length - 7" x Height - 5.25"

S-4 Panel. Includes: Engine temperature gauge, DC volt meter, AC voltmeter, AC frequency meter, AC ammeter with with harness, oil pressure gauge, start/stop, and shutdown bypass/preheat switch. Available as flush mount or with enclosure (L: 14" x H: 17" x D: 6.25")

## Circuit Breaker

The Northern Lights Circuit Breaker Panel protects wiring, electronics and other onboard equipment. (NOT for use on units with unit-mounted WaveNet)



## Wiring Harnesses

Northern Lights extension harnesses are sturdy enough for onboard use, yet flexible enough to give today's boaters the convenience they need. With lengths between 10 and 100 feet, you can mount your panels throughout the vessel. Northern Lights Y harnesses allow even further flexibility by allowing the installation of multiple control panels from one plug-in.



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