



Modine[®] MEW

Bringing comfort to washdown and corrosive environments

A new generation of NEMA 4X corrosion-resistant washdown heaters. UL listed Type 4X heater with models ranging from 3 kW to 39 kW.

US Coast Guard Marine Rating available only with the following options selected: Built in manual reset, high temp limit (M), and built in disconnect switch (D).

IMPORTANT: Modine[®] MEW heaters are suitable for non-hazardous locations only. For washdown applications use water pressure less than 70 psi.



Shown with optional disconnect and built-in thermostat.

Features & Benefits

- NEMA type 4x protection against water penetration for longer life in corrosive or washdown environments
- 16-gauge stainless-steel cabinet offers industrial-grade durability
- Stainless steel elements add corrosion protection and improved heat distribution
- Epoxy-coated fan blade contributes to longer operational life
- Optional built-in features allow for greater installation flexibility and US Coast Guard Marine Duty listing
- Highly flexible mounting options from the included stainless steel wall/ceiling mounting kit
- 120 V controls allow for better contractor pull-in reliability
- Increased safety with stainless steel temperature high-limit

Core Industries

- Farming and Agriculture
- Food and Beverage Production
- Car Washes
- Oil and Gas
- Dairy
- Petrochemical

Dimensions

Dimensions	A		B		C		D		E		F	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
3 to 10 kW	12.5	318	12.8	325	8.5	216	24.4	620	6.4	162.5	0.9	23
15 to 20 kW	12.1	307	16.7	425	7.5	190	23.4	595	8.4	212.5	1.2	30
25 to 39 kW	12.1	307	20.7	526	7.5	190	23.4	595	10.3	262.5	1.3	33

General Specifications

		3, 5, 7.5, 10	15, 20	25, 30, 35, 39
Air Delivery	CFM	700	1450	2100
	m ³ /hr	20	41	60
Approximate Air Velocity	ft/min	785	950	288
	m/s	240	288	276
Fan Diameter	in	12	16	20
	mm	305	406	508
Horizontal Air Throw	ft	22	35	44
	m	6.7	10.7	13.4
Maximum Mounting Height* (horizontal to underside)	ft	8.5	11.5	12.3
	m	2.6	3.5	3.7
Maximum Mounting Height* (45° decline to underside)	ft	12.8	18.0	18.8
	m	3.9	5.5	5.7
Minimum Mounting Height	ft	6.0		
	m	1.8		
Net Weight	lbs	75.0	90.0	130
	kg	34.1	40.9	59.1
Shipping Weight	lbs	125.0	140.0	180
	kg	56.8	40.9	81.8

* Maximum mounting height to ensure warm air reaches the floor. Contact factory for suitable applications.

Approvals	UL listed to U.S. & Canadian safety standards. Type 4X. Complies with U.S. Coast Guard electrical engineering regulations subchapter J (46 CFR Parts 110-113) when manual reset temperature high-limit is ordered
Enclosure	NEMA Type 4X non-metallic enclosure
Motor Type	Thermally protected, ½ HP, 1725 RPM, permanently lubricated ball bearings
Fan	Epoxy coated, aluminium blade, steel spider
Mounting Bracket	Type 304 stainless steel universal mounting bracket. Minimum 16-gauge (0.06" / 1.52 mm)
Heating Elements	Type 321 stainless steel sheath with Type 304 stainless steel spiral fins
Temperature High-Limit	Automatic reset, stainless steel bulb and capillary. Optional manual reset, stainless steel bulb and capillary. Replaces automatic reset.
Temperature Limitations	Storage: -4°F to 140°F (-20°C to 40°C) Operating: -4°F to 104°F (-20°C to 60°C)
Control Circuit	120 Vac
Optional Built-in Thermostat	NEMA Type 4X thermostat
Control Transformer	Multi-tap primary, 120V secondary, 50 VA
Contactors	40 or 75 amp. Rated for 500,000 mechanical operations. 120V, 15 VA coil
Cabinet Material	Type 304 stainless-steel, 16-gauge (0.06" / 1.52 mm). All external fasteners are stainless steel
Inlet Grille	Type 304 stainless steel, ¼" (6.3 mm) maximum openings. Minimum 18-gauge (0.05" / 1.21 mm)
Discharge Grille	Type 304 stainless steel. Rotatable in 45° increments. Minimum 18-gauge (0.05" / 1.21 mm)



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