



Datasheet

GX Mats Electric Snow Melting

General Information



Installing a Danfoss GX Snow Melting System provides a permanent solution to the problems caused by cold weather. Improve safety by providing instantaneous relief from snow and ice and increase your bottom line by reducing the costs associated with applying chemicals, owning snow clearing machinery or hiring outside services.

- Twin conductor cable
- Single point connection
- Easy and flexible installation
- Durable construction
- Silent, efficient and safe
- For use in concrete, asphalt and under pavers
- Zero EMF's (Electromagnetic fields)
- Genuine twenty year non-prorated warranty

Technical Data

Cable Construction:	Twin conductor
Rated Voltage:	208 V, 240 V, 480 V
Output (Mats):	37 W/sq.ft. (398 W/m ²), 50 W/sq.ft. (540 W/m ²)
Output (Cables):	9 W/ft. (30 W/m), 12 W/ft. (40 W/m)
Cold Lead:	20 feet (6.0 m)
Bending Radius:	Minimum 1.5 inches (38 mm)
Cable Diameter:	1/4 inches (6.5 mm)
Conductor Insulation:	Teflon™ FEP
Filler Sheath:	PEX
Outer Insulation:	PVC
Max. Temperature:	221 °F (105 °C)
Min. Installation Temp:	41 °F (5 °C)

See power lead label for NEC connection color code.

Ordering Information GX Mats - 208 V

All mats are 2 feet wide. Power leads are 20 feet in length.

Part No.	Length (feet)	Coverage (sq.ft.)	Watts (50 W/sq.ft.)	Amps	Ohms
088L3222	7.5	15	640	3.1	67.5
088L3223	10.0	20	1,050	5.0	41.2
088L3225	15.0	30	1,545	7.4	28.0
088L3227	20.0	40	1,910	9.2	22.6
088L3229	25.0	50	2,390	11.5	18.1
088L3230	30.0	60	3,050	14.7	14.2
088L3231	35.0	70	3,415	16.4	12.7
088L3232	40.0	80	3,800	18.3	11.4
088L3233	45.0	90	4,235	20.4	10.2
088L3234	50.0	100	4,965	23.9	8.7



**Ordering Information
GX Mats - 240 V**

All mats are 2 feet wide. Power leads are 20 feet in length.

Watt Output of the 240 V Mat is reduced by 25% when operated at 208V (approx. 37.5 W/sq.ft.)

Part No.	Length (feet)	Coverage (sq.ft.)	Watts (50 W/sq.ft.)	Amps	Ohms
088L3201	7.5	15	740	3.1	77.9
088L3202	10.0	20	985	4.1	58.5
088L3204	15.0	30	1,475	6.1	39.0
088L3206	20.0	40	2,025	8.4	28.5
088L3208	25.0	50	2,515	10.5	22.9
088L3209	30.0	60	3,005	12.5	19.2
088L3210	35.0	70	3,495	14.6	16.5
088L3211	40.0	80	3,985	16.6	14.5
088L3212	45.0	90	4,510	18.8	12.8
088L3213	50.0	100	5,030	21.0	11.5
088L3214	57.5	115	5,760	24.0	10.0
088L3215	65.0	130	6,500	27.1	8.9

**Ordering Information
GX Mats - 240 V
(37.5W/sq.ft.)**

All mats are 2 feet wide. Power leads are 20 feet in length.

Part No.	Length (feet)	Coverage (sq.ft.)	Watts (37 W/sq.ft.)	Amps	Ohms
088L3301	20.0	40	1,475	6.1	39.0
088L3302	45.0	90	3,495	14.6	16.5
088L3303	60.0	120	4,510	18.8	12.8
088L3304	77.5	155	5,715	23.8	10.1

**Ordering Information
GX Mats - 480 V**

All mats are 2 feet wide. Power leads are 20 feet in length.

Part No.	Length (feet)	Coverage (sq.ft.)	Watts (50 W/sq.ft.)	Amps	Ohms
088L3270	10.0	20	995	2.1	231.2
088L3272	20.0	40	1,985	4.1	116.1
088L3274	30.0	60	2,960	6.2	77.8
088L3276	40.0	80	4,055	8.4	56.8
088L3278	50.0	100	5,045	10.5	45.7
088L3279	60.0	120	6,020	12.5	38.3
088L3280	70.0	140	6,995	14.6	32.9
088L3281	80.0	160	7,985	16.6	28.8



Controls

Part No.	Description	Voltage
088L3415	GX850M Dual Zone Controller*	120V
088L3044	DS-2C Snow Melt Controller (30A)	100-277V
088L3046	DS-5C Snow Melt Controller (60A - 2x30A)	100-277V

*Requires ground and/or roof sensors *Control voltage 120V

*Control voltage 120V

Timer/Contactor Panels

Part No.	Description	Max. Amps	Coil Voltage	No. of Contactors
088L3450	Single Contactor, 3P, 600V	120	120	1
088L3451	Single Contactor, 3P, 600V	120	208-240	1

All contactors are complete with NEMA 1 enclosure

Accessories

Part No.	Description
088L1053	Cable Strapping (15 ft./4.5m)
088L1054	Cable Strapping (75 ft./22.9m)
088L3051	Ground Sensor (Two per package, includes 50 ft./15m lead wire)
088L3052	Roof Sensor (includes 50 ft./15m. lead wire)
088L3405	Nameplate (per NEC 426-13)
088L0010	GX Repair Kit (includes: crimp connectors, heat shrink tubes, repair wire)
088L3038	CDP-2 Remote Control and Display for Snow Sensors*
088L3039	CS-1 Remote Control/Monitor Pigtail for CDP-2
89999997	Extended Power Leads, factory spliced, 5 ft. increments**

*CDP-2 installation requires use of CS-1 pigtail

*CDP-2 can be used with DS-2C and DS-5C controllers

**Allow 10-12 weeks delivery time

Warranty

Genuine twenty year comprehensive extended warranty against defects in material, design, and workmanship.

Technical Services

For technical questions, please contact Danfoss Heating Division North America at **1-888-DANFOSS (326-3677)**. More information on Danfoss Electric Heating products is available at www.LX.Danfoss.com.

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