



ENVIRONMENTALLY-FRIENDLY AND EFFICIENT FLUID-COOLED
HEAT REJECTION

Dry Coolers

ADVANCED FLUID-COOLED HEAT REJECTION TECHNOLOGY

Advantages

- EC motor fans controlled on 0–10vdc signal for maximum cooling performance with minimum energy consumption.
 - Very low maintenance motor.
 - Capable of higher pressure drops.
 - Variable fan speed based on leaving fluid temperature control.
- Fluid-cooled systems are inherently environmentally friendly because of their low refrigerant charge.
- V-bank fin-and-tube coils increase surface area for heat rejection while keeping compact footprint.
 - Design minimizes air and fluid pressure drop.
 - Each section is equipped with hose drain valves and air vents.
- Fully-coated coils (3,000 hr salt spray rating) repel dirt build up, making them very low-maintenance.

Applications

Dry Cooler Technology is ideal for any application where medium to large-scale fluid-cooled heat rejection is desirable. Some examples:

- Facilities where full cooling is needed during low-ambient conditions, e.g. data centers.
- Fluid-side economizer on chillers.
- Supplementary or emergency A/C heat rejection on ground-source heat pumps and geothermal wells.
- Any medium to large-scale A/C application.

Our Technology

We use superior components and design to deliver a better fluid-cooled heat rejection system for your medium and large-sized cooling needs, from 116.7 MBH up to 2,332.6 MBH.

Options

- Packaged pump kits — one for each V-bank.
- Unit-mounted disconnects.
- Available voltages are 208–230, 460, 575 VAC, three-phase (small units also available in single phase).

PERFORMANCE WITHOUT PUMP KIT

Model	Fan Qty	Capacity (3 ph)*	Fan FLA			Min Circuit Ampacity			Max Fuse Size, MOP			Noise Level (@ 30 ft)	Dimensions				Max Flow Rate
			BTU/H	230V	460V	575V	230V	460V	575V	230V	460V		575V	DBA	WIDTH	HEIGHT	
NG-V-01	1	116,700	3.1	1.5	1.2	3.9	1.9	1.5	15	15	15	50 / 56	53	54	46	350	30
NG-V-02	1	160,200	8.3	4.5	3.6	10.4	5.6	4.5	17.5	15	15	54 / 60	53	58	46	450	30
NG-V-11	1	248,700	8.3	4.5	3.6	10.4	5.6	4.5	17.5	15	15	54 / 60	54	67	52	500	50
NG-V-12	2	388,800	8.3	4.5	3.6	18.7	10.1	8.1	40	20	17.5	57 / 63	102	67	52	1200	65
NG-V-22	4	777,500	8.3	4.5	3.6	35.3	19.1	15.3	50	30	25	60 / 66	96	79	100	2400	130
NG-V-32	6	1,166,300	8.3	4.5	3.6	51.9	28.1	22.5	70	40	30	62 / 67	96	79	148	3600	195
NG-V-42	8	1,555,100	8.3	4.5	3.6	68.5	37.1	29.7	90	45	35	63 / 69	96	79	196	4800	260
NG-V-52	10	1,943,800	8.3	4.5	3.6	85.1	46.1	36.9	100	50	45	64 / 69	96	79	244	6000	325
NG-V-62	12	2,332,600	8.3	4.5	3.6	101.7	55.1	55.1	125	60	50	65 / 70	96	79	292	7200	390

Single phase models available up to NG-V-11. Performance data may vary. Rated conditions: 100°F air-on, 125°F entering fluid, 35% propylene glycol at unit max flow. E&OE — Subject to Change Without Notice.

PERFORMANCE WITH PUMP KIT

Model w/Pump Kit	Pump Qty	Pump FLA			Min Circuit Ampacity			Max Fuse Size, MOP			Dimensions (w/ pump)			
		230V	460V	575V	230V	460V	575V	230V	460V	575V	WIDTH	HEIGHT	LENGTH	WEIGHT
NG-V-01	1	4	1.8	1.4	7.9	3.7	2.9	15	15	15	53	54	46	350
NG-V-02	1	4	1.8	1.4	14.4	7.4	5.9	25	15	15	53	58	46	450
NG-V-11	1	4	1.8	1.4	14.4	7.4	5.9	25	15	15	60	67	52	650
NG-V-12	1	4	1.8	1.4	22.7	11.9	9.5	45	20	17.5	102	67	52	1300
NG-V-22	2	4	1.8	1.4	39.3	20.9	16.7	60	30	25	98	79	100	2600
NG-V-32	3	4	1.8	1.4	55.9	29.9	23.9	70	40	30	98	79	148	3900
NG-V-42	4	4	1.8	1.4	72.5	38.9	31.1	90	50	40	98	79	196	5200
NG-V-52	5	4	1.8	1.4	89.1	47.9	38.3	110	60	45	98	79	244	6500
NG-V-62	6	4	1.8	1.4	105.7	56.9	45.5	125	60	50	98	79	292	7800

Units with pump kit have same capacities, flow rate, fan FLA and noise levels

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