

# D-SERIES

Drop-In Submersed Coil Design  
1 to 30 Ton Capacities



## Low Fouling and Cleanable Platform

Eliminate the worry of a clogged heat exchanger. Drop-in chillers work in the dirtiest, unfiltered processes without additional pumps. The D Series can be used in existing tanks for grinding and heavy cutting applications and provide the added benefit of reduced floor space.

### PRODUCT SUMMARY

- Indoor use
- Air-cooled, water-cooled or split system (remote condenser)
- Drop-in, SS evaporator coil with custom height based on tank design
- Water, water/glycol, water-soluble oils, and oil-based fluids
- Fluid setpoint range 70 to 95°F
- Capacities: 12,000 to 360,000 BTU/hr (at 75°F fluid temp and 95°F ambient). Temps can vary but will affect capacity.
- Temperature stability  $\pm 3^\circ\text{F}$  (optional  $\pm 1^\circ\text{F}$ )
- Ambient temperature range 50 to 95°F

### BASE CONFIGURATION

- Air-cooled condenser
- Hermetic scroll compressor
- Stainless submersible heat exchanger
- Digital controller
- Phase monitor
- Vertical air discharge
- Cleanable air filters
- R407C refrigerant
- Powder-coated cabinet

### OPTIONS

- Remote or water-cooled condensers
- Fused disconnect
- Remote PGD (up to 150')
- Remote box (w/ PGD)
- Remote start/stop
- Voltage options
- Ambient tracking
- Lifting frame
- 50 and 60Hz power options
- CE certified
- CSA certified or compliant

*\*Not all options are available in all sizes.*

MODEL	CAPACITY @ 75°F fluid setpoint and 95°F ambient	ELECTRICAL	FLA	MINIMUM COIL FRAME DEPTH	UNIT DIMENSIONS (LxWxH)	CRATED WEIGHT
WATER/WATER SOLUBLE	BTU/HR	VOLTAGE	AMPS	INCH	INCH	LBS
DVI-1000	12,000	460/3/60 (+/- 10%)	3.5	18	36 x 25 x 40	800
DVI-2000	24,000	460/3/60 (+/- 10%)	9.5	22	36 x 25 x 40	800
DVI-3000	36,000	460/3/60 (+/- 10%)	9.5	28	35 x 35 x 54	1,000
		230/3/60 (+/- 10%)	20.0			
DVI-5000	60,000	460/3/60 (+/- 10%)	15.8	28	35 x 35 x 54	1,000
		230/3/60 (+/- 10%)	31.0			
DVI-7500	90,000	460/3/60 (+/- 10%)	22.3	33	67 x 35 x 54	1,350
		230/3/60 (+/- 10%)	43.8			
DVI-10000	120,000	460/3/60 (+/- 10%)	27.0	33	67 x 35 x 54	1,350
		230/3/60 (+/- 10%)	52.8			
DVI-15000	180,000	460/3/60 (+/- 10%)	40.5	36	50 x 46 x 74	1,800
DVI-20000	240,000	460/3/60 (+/- 10%)	48.3	33	73 x 67 x 54	2,700
DVI-30000	360,000	460/3/60 (+/- 10%)	76.8	36	84 x 48 x 74	3,600
OIL BASED	BTU/HR	VOLTAGE	AMPS	INCH	INCH	LBS
DVI-1000	10,800	460/3/60 (+/- 10%)	4.6	18	36 x 25 x 40	800
DVI-2000	21,600	460/3/60 (+/- 10%)	10.6	22	36 x 25 x 40	800
DVI-3000	32,400	460/3/60 (+/- 10%)	10.6	28	35 x 35 x 54	1,000
		230/3/60 (+/- 10%)	22.2			
DVI-5000	56,000	460/3/60 (+/- 10%)	16.9	28	35 x 35 x 54	1,000
		230/3/60 (+/- 10%)	33.2			
DVI-7500	81,000	460/3/60 (+/- 10%)	24.5	33	67 x 35 x 54	1,350
		230/3/60 (+/- 10%)	48.2			
DVI-10000	108,000	460/3/60 (+/- 10%)	29.2	33	67 x 35 x 54	1,350
		230/3/60 (+/- 10%)	57.2			
DVI-15000	162,000	460/3/60 (+/- 10%)	42.7	36	50 x 46 x 74	1,800
DVI-20000	216,000	460/3/60 (+/- 10%)	52.7	33	73 x 67 x 54	2,700
DVI-30000	324,000	460/3/60 (+/- 10%)	81.2	36	84 x 48 x 74	3,600

Fluid temperatures and ambients can vary from those stated. Please consult the factory for the effect on capacity.