



Effective: New October 15, 2015

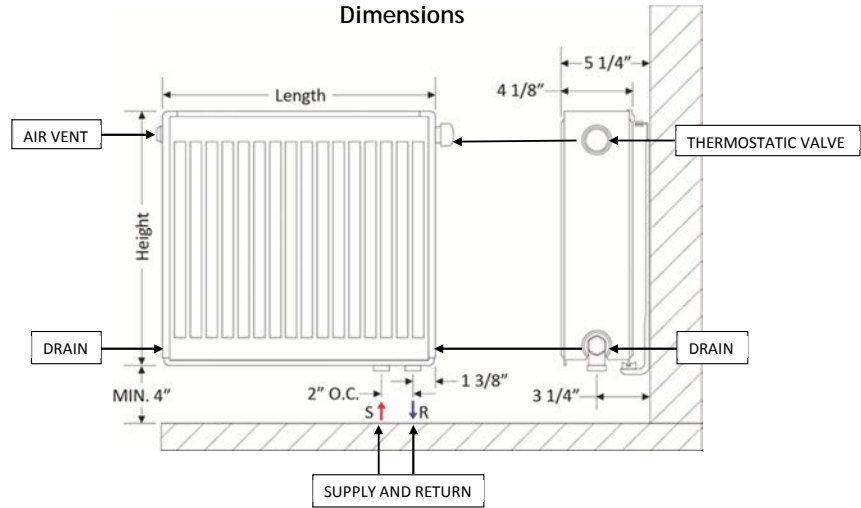
Submittal Data Information

DECORO DESIGN PANEL RADIATORS



Job: _____ Engineer: _____ Contractor: _____ Rep: _____

ITEM NO.	MODEL NO.



SPECIFICATIONS

Decoro Design steel panel radiators are double panel and available in five different heights: 12", 16", 20", 24" and 36". Each size includes multiple lengths and heat outputs.

Radiators have a light eggshell white epoxy powder coated finish.

Each radiator has six (6) 1/2" BSP threaded connections:

- integral thermostatic valve/adj. flow setter
- manual air vent
- two (2) with drain plugs
- bottom supply and return connection

Each radiator has two (2) 3/4" male EK x 1/2" male BSP O-ring adapters

Snap-grip mounting brackets included

10 Year warranty from date of installation

FLOW RATE

Delta T (F)	Divisor
10	5,000
15	7,500
20	10,000
24	12,000
25	12,500
30	15,000
35	17,500

* Standard Rating Application

Height: 12", 16", 20", 24", 36"

Length: 16" to 72" (see specification chart for available sizes)

Depth: 4"

Depth including mounting bracket: 5 1/4"

Bottom supply and return: 2" on center

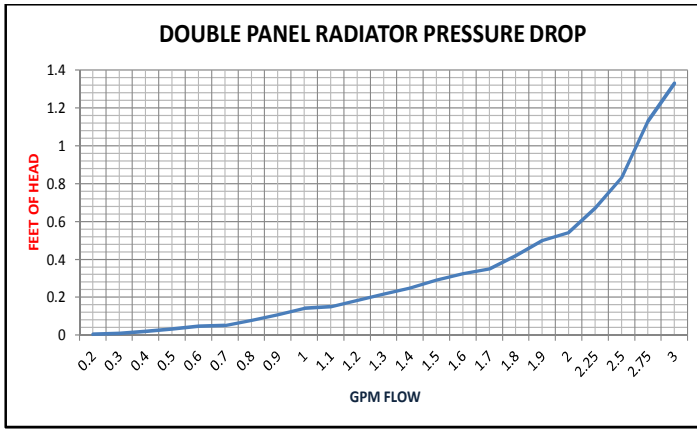
Minimum clearance to floor: 4"

FITTINGS AND ACCESSORIES

ITEM #	DESCRIPTION
DDEVK12	12" Wall Bracket Set
DDEVK16	16" Wall Bracket Set
DDEVK20	20" Wall Bracket Set
DDEVK24	24" Wall Bracket Set
DDEVK36	36" Wall Bracket Set
DDA318	Dual Pipe Escutcheon
DD39438	3/8" Pex Tubing Adapter
DD39412	1/2" Pex Tubing Adapter
DD39458	5/8" Pex Tubing Adapter
DDA43112C	1/2" Copper Pipe Adapter
DDA554	3/4"EK x 1/2" Reducer
DDV71110	Angle Isolation Valve w/By-Pass
DDV72110	Angle Isolation Valve
DDV71510	Straight Isolation Valve w/By-Pass
DDV72510	Straight Isolation Valve
DDA4040	Thermostatic Operator
DD8W	White 8" Radsnap Pipe Cover
DD8C	Chrome 8" Radsnap Pipe Cover

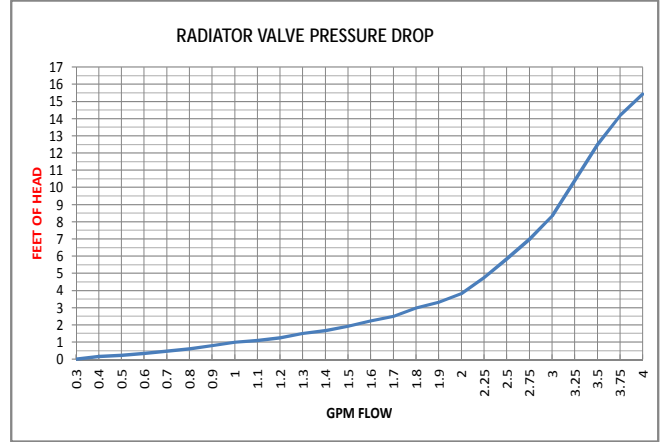
RADIATOR PRESSURE DROP

The following chart will be used to determine the pressure drop for each Decoro Design Double Panel Radiator.



"H" VALVE RADIATOR VALVE PRESSURE DROP

The following chart will be used to determine the pressure drop through all four types of Decoro Design radiator valves.



SPECIFICATIONS

	HEIGHT	LENGTH	BASEBOARD EQUIVALENT	BTUH OUTPUT		WEIGHT
				180° F	140° F	
DDR12X16	12	16	3.33	1934	1068	17
DDR12X24	12	24	5.00	2900	1600	24
DDR12X32	12	32	6.67	3866	2133	31
DDR12X40	12	40	8.33	4831	2661	39
DDR12X48	12	48	10.00	5800	3200	46
DDR12X56	12	56	11.67	6766	3733	53
DDR12X64	12	64	13.33	7732	4265	60
DDR16X16	16	16	4.17	2418	1331	23
DDR16X20	16	20	5.21	3022	1665	28
DDR16X24	16	24	6.25	3626	1999	33
DDR16X28	16	28	7.29	4231	2330	38
DDR16X32	16	32	8.34	4835	2665	43
DDR16X36	16	36	9.38	5440	2996	48
DDR16X40	16	40	10.42	6044	3330	52
DDR16X44	16	44	11.46	6648	3665	57
DDR16X48	16	48	12.51	7253	3995	63
DDR20X16	20	16	4.96	2876	1583	28
DDR20X20	20	20	6.19	3593	1979	34
DDR20X24	20	24	7.44	4313	2375	40
DDR20X28	20	28	8.68	5033	2771	46
DDR20X32	20	32	9.91	5749	3166	53
DDR20X36	20	36	11.15	6469	3562	58
DDR20X40	20	40	12.39	7186	3958	64
DDR20X44	20	44	13.63	7906	4354	71
DDR20X48	20	48	14.87	8626	4746	76
DDR24X16	24	16	5.71	3310	1819	31
DDR24X20	24	20	7.13	4135	2276	40
DDR24X24	24	24	8.56	4964	2730	48
DDR24X28	24	28	9.98	5790	3183	56
DDR24X32	24	32	11.41	6619	3641	66
DDR24X36	24	36	12.84	7445	4094	75
DDR24X40	24	40	14.26	8270	4548	81
DDR24X44	24	44	15.69	9100	5002	89
DDR24X48	24	48	17.11	9926	5459	97
DDR24X56	24	56	19.97	11580	6367	114
DDR24X64	24	64	22.82	13235	7278	130
DDR24X72	24	72	25.67	14890	8190	149
DDR36X16	36	16	7.83	4541	2457	48
DDR36X20	36	20	9.79	5678	3071	56
DDR36X24	36	24	11.75	6814	3685	72
DDR36X32	36	32	15.66	9083	4913	88

The above BTUH OUTPUT rating is based on average water temperature and 24° Delta T

REDUCED AVERAGE WATER TEMPERATURE BTUH OUTPUTS

MODEL	Radiator Specifications Chart							
	180°F	170°F	160°F	150°F	140°F	130°F	120°F	110°F
DDR12X16	1934	1696	1477	1269	1068	874	727	519
DDR12X24	2900	2542	2218	1900	1600	1310	1037	781
DDR12X32	3866	3392	2958	2535	2133	1747	1382	1041
DDR12X40	4831	4237	3695	3170	2661	2184	1726	1300
DDR12X48	5800	5087	4436	3804	3200	2620	2074	1559
DDR12X56	6766	5933	5175	4439	3733	3057	2419	1819
DDR12X64	7732	6783	5913	5074	4265	3494	2763	2081
DDR16X16	2418	2119	1849	1583	1331	1092	863	648
DDR16X20	3022	2651	2310	1982	1665	1365	1078	812
DDR16X24	3626	3180	2771	2378	1999	1638	1293	972
DDR16X28	4231	3709	3235	2774	2330	1911	1512	1136
DDR16X32	4835	4241	3695	3170	2665	2184	1726	1297
DDR16X36	5440	4770	4159	3566	2996	2457	1941	1460
DDR16X40	6044	5302	4620	3961	3330	2726	2156	1621
DDR16X44	6648	5831	5083	4357	3665	2999	2371	1784
DDR16X48	7253	6360	5545	4753	3995	3272	2590	1945
DDR20X16	2876	2521	2197	1883	1583	1300	1024	771
DDR20X20	3593	3153	2747	2354	1979	1621	1279	962
DDR20X24	4313	3780	3295	2825	2375	1945	1535	1153
DDR20X28	5033	4412	3845	3296	2771	2269	1791	1347
DDR20X32	5749	5043	4392	3767	3166	2593	2047	1539
DDR20X36	6469	5670	4942	4238	3562	2914	2303	1733
DDR20X40	7186	6302	5490	4709	3958	3238	2559	1924
DDR20X44	7906	6933	6040	5179	4354	3562	2815	2115
DDR20X48	8626	7561	6590	5650	4746	3886	3071	2310
DDR24X16	3310	2900	2528	2167	1819	1488	1177	884
DDR24X20	4135	3627	3160	2706	2276	1863	1471	1105
DDR24X24	4964	4350	3793	3248	2730	2235	1764	1327
DDR24X28	5790	5077	4424	3791	3183	2607	2057	1546
DDR24X32	6619	5800	5057	4336	3641	2979	2354	1767
DDR24X36	7445	6527	5688	4872	4094	3351	2648	1989
DDR24X40	8270	7250	6318	5415	4548	3722	2941	2211
DDR24X44	9100	7977	6952	5957	5002	4094	3235	2429
DDR24X48	9926	8704	7583	6496	5459	4466	3528	2651
DDR24X56	11580	10154	8847	7581	6367	5213	4118	3095
DDR24X64	13235	11604	10111	8663	7278	5957	4705	3535
DDR24X72	14890	13054	11376	9745	8190	6701	5295	3978
DDR36X16	4541	3968	3443	2938	2457	1999	1569	1170
DDR36X20	5678	4957	4306	3675	3071	2501	1962	1464
DDR36X24	6814	5951	5166	4408	3685	2999	2354	1757
DDR36X32	9083	7933	6885	5879	4913	4002	3142	2341

The above BTUH OUTPUT rating is based on average water temperature and a 24° F Delta T

As part of our continuous product improvement, Smith's Environmental Products reserves the right to alter specifications without notice.



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