ThermalTrue®
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BROCHURE

Low Static Blower

Chilled Water Series SBL10_60CW

NOMENCLATURE

SBL	10, 15, 20, 25, 30, 40, 50, 60	CW3	SA/HA/CA	PSC/HMF/ECF
Series	Capacity in kBtu/h	Chilled Water 3 Row	SA : Std Ambient 35°C HA : High Ambient 45°C CA : Corrosive Ambient	PSC : Permanent Squirrel Cage Motor HMF : BLDC Motor ECF : EC Fan

SPECIFICATION

CHILLED WATER DUCTED BLOWER (LOW STATIC)			SBL10CW	SBL15CW	SBL20CW	SBL25CW	SBL30CW	SBL40CW	SBL50CW	SBL60CW
GENERAL DATA										
CAPACITY	Total Capacity	W	3.068	5.029	6.656	7.795	9.751	12.003	15.156	18.084
		Btu/h	10.468	17.158	22.711	26.597	33.272	40.953	51.712	61.702
	Sensible Capacity	W	2.155	3.522	4.698	5.474	6.837	8.370	10.692	12.592
		Btu/h	7.352	12.016	16.029	18.678	23.329	28.559	36.481	42.964
	SHR		0,70	0,70	0,71	0,70	0,70	0,70	0,71	0,70
AIR FLOW	High	CMH	510	867	1.190	1.241	1.530	1.870	2.703	2.805
		CFM	300	510	700	730	900	1.100	1.590	1.650
	Medium	CMH	442	748	1.156	1.224	1.411	1.802	2.346	2.601
		CFM	260	440	680	720	830	1.060	1.380	1.530
	Low	CMH	374	612	1.054	986	1.292	1.683	2.176	2.431
		CFM	220	360	620	580	760	990	1.280	1.430
EXTERNAL STATIC PRESSURE		Pa	50				150			
		inWG	0,20				0,60			
WATER FLOW		CMH	0,53	0,86	1,14	1,34	1,67	2,06	2,60	3,10
		USGpm	2,37	3,89	5,14	6,03	7,54	9,27	11,72	13,97
WATER PRESSURE DROP		kPa	10,1	27,3	23,3	18,5	15,9	25,1	22,8	26,3
		inWG	40,6	109,6	93,5	74,3	63,8	100,8	91,5	105,6
CASING	Frame		Anodised extruded aluminium profile and nylon corner piece							
	Panel		GI finish							
	Insulation		10mm PE							
DIMENSION	Height	mm	265	265	265	265	415	415	415	415
	Width	mm	750	890	1055	1190	959	1075	1329	1529
	Depth	mm	490	490	490	490	630	630	630	630
UNIT WEIGHT		kG	124	130	133	140	150	154	158	164
		lb	273	287	293	309	330	340	348	363
CONNECTION	Water Inlet/Outlet	in	1	1	1	1	1	1	1	1 1/2
	Drain Pipe Size	in	1							
COIL SPECIFICATION										
COIL	Type		Aluminium fin mechanically bonded to seamless copper tube							
	Face Area	m2	0,12	0,14	0,18	0,20	0,27	0,32	0,40	0,47
	Entering (DB/WB)	°C/°C	26.7 / 19.0							
	Leaving (DB/WB)	°C/°C	13.8/12.5	14.3/12.8	14.7/13.0	13.3/12.2	13.1/12.1	13.1/12.0	14.6/13.0	13.0/12.0
	Face Velocity	m/s	1,23	1,68	1,88	1,70	1,55	1,65	1,86	1,64
	ΔP	Pa	24	41	49	54	46	51	48	51
	Condensate Rate	g/s	0,40	0,60	0,80	0,90	1,20	1,40	1,80	2,20
FAN & MOTOR SPECIFICATION										
BLOWER	Type		Forward Curve Centrifugal Drive Driven							
	Size		160mm OD x 200mmL (6 x 8)				200mm OD x 190mmL (8 x 8)			
	Quantity	set	1	1	2	2	2	2	2	2
POWER SUPPLY		V-Ø-Hz	220-240V/1Ø/50Hz							
MOTOR	30W-4P		1							
	50W-4P			1						
	80W-4P				1					
	100W-4P					1				
	320W-4P						1			
	400W-4P							1		
	480W-4P								1	
	600W-4P									1
AIR FILTER	PFS353W220H008T-W1S71.1		1							
	PFS423W220H008T-W1S71.1			2						
	PFS505W220H008T-W1S71.1				2					
	PFS573W220H008T-W1S71.1					2				
	PFS460W370H008T-W1S71.1						2			
	PFS510W370H008T-W1S71.1							2		
	PFS425W370H008T-W1S71.1								3	
	PFS492W370H008T-W1S71.1									3

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