

BROCHURE

Medium Static Blower

ThermalTrue®
HVAC & R

Direct Expansion Series SBM30_150X407



NOMENCLATURE

SBM	30, 40, 50, 60, 75, 100, 125, 150	X407	SA/HA/CA	PSC/HMF/ECF
Series	Capacity in kBtu/h	Direct Expansion R407c	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

MODEL SBM-X407			Indoor	SBM30 X407	SBM40 X407	SBM50 X407	SBM60 X407
			Outdoor	SCU30	SCU40	SCU50	SCU60
GENERAL DATA							
CAPACITY	Total Capacity	W	8.262	10.756	13.718	17.226	
		Btu/h	28.191	36.700	46.804	58.775	
	Sensible Capacity	W	5.980	7.853	9.955	12.469	
		Btu/h	20.405	26.795	33.965	42.546	
	SHR		0,724	0,730	0,726	0,724	
AIR FLOW	High	CMH	1.631	2.175	2.718	3.398	
		CFM	960	1.280	1.600	2.000	
EXTERNAL STATIC PRESSURE		Pa	100				
		inWG	0,40				
CASING	Frame		Anodised extruded aluminium profile and nylon corner piece				
	Panel		GI finish				
	Insulation		15mm PU				
DIMENSION	Height	mm	490	490	490	490	
	Width	mm	670	820	1.020	1.220	
	Depth	mm	730	730	730	730	
CONNECTION	Liquid	in	3/8	3/8	3/8	1/2	
	Gas	in	5/8	3/4	3/4	3/4	
	Drain Pipe Size	in	1				
COIL SPECIFICATION							
COIL	Type		Aluminium fin mechanically bonded to seamless copper tube				
	Face Area	m2	0,20	0,26	0,34	0,42	
	Entering (DB/WB)	°C/°C	26.7 / 19.0				
	Leaving (DB/WB)	°C/°C	13.8/12.6	14.0/12.7	13.8/12.6	13.7/12.6	
	Face Velocity	m/s	2,27	2,32	2,22	2,25	
	ΔP	Pa	93	97	89	91	
	Condensate Rate	g/s	1,10	1,40	1,80	2,20	
FAN & MOTOR SPECIFICATION							
BLOWER	Type		Forward Curve Centrifugal Drive Driven				
	Size		9-9 I	9-9 I	9-9 III	9-9 I	
	Quantity	set	1	1	1	2	
POWER SUPPLY		V-Ø-Hz	220-240V/1Ø/50Hz				
MOTOR (Free Blow)	250W-6P		1			2	
	375W-4P			1			
	450W-4P				1		
MOTOR (Ducted)	375W-4P		1			2	
	450W-4P			1			
	550W-4P				1		
AIR FILTER	22T-313W-445H-L1-R29		1				
	22T-388W-445H-L1-R29			2			
	22T-488W-445H-L1-R29				2		
	22T-588W-445H-L1-R29					2	
	22T-475W-445H-L1-R29						
	22T-592W-445H-L1-R29						
	22T-494W-470H-L1-R29						
	22T-556W-470H-L1-R29						

MODEL SBM-X407			Indoor	SBM75 X407	SBM100 X407	SBM125 X407	SBM150 X407
			Outdoor	SCU75	SCU100	SCU125	SCU150
GENERAL DATA							
CAPACITY	Total Capacity	W	21.069	27.174	35.500	40.696	
		Btu/h	71.886	92.718	121.128	138.856	
	Sensible Capacity	W	15.383	19.768	25.823	29.554	
		Btu/h	52.486	67.450	88.108	100.840	
	SHR		0,730	0,727	0,727	0,726	
AIR FLOW	High	CMH	4.247	5.437	7.135	8.155	
		CFM	2.500	3.200	4.200	4.800	
EXTERNAL STATIC PRESSURE		Pa	100				
		inWG	0,40				
CASING	Frame		Anodised extruded aluminium profile and nylon corner piece				
	Panel		GI finish				
	Insulation		15mm PU				
DIMENSION	Height	mm	490	490	515	515	
	Width	mm	1.470	1.820	2.020	2.270	
	Depth	mm	730	730	730	730	
CONNECTION	Liquid	in	1/2	5/8	3/4	5/8	
	Gas	in	1	1 1/8	1 1/8	1 3/8	
	Drain Pipe Size	in	1				
COIL SPECIFICATION							
COIL	Type		Aluminium fin mechanically bonded to seamless copper tube				
	Face Area	m2	0,52	0,66	0,83	0,95	
	Entering (DB/WB)	°C/°C	26.7 / 19.0				
	Leaving (DB/WB)	°C/°C	13.9/12.7	13.9/12.7	13.9/12.7	13.9/12.7	
	Face Velocity	m/s	2,27	2,29	2,38	2,40	
	ΔP	Pa	93	94	101	102	
	Condensate Rate	g/s	2,60	3,40	4,50	5,20	
FAN & MOTOR SPECIFICATION							
BLOWER	Type		Forward Curve Centrifugal Drive Driven				
	Size		9-9 I	9-9 III	9-9 I	9-9 III	
	Quantity	set	2	2	3	3	
POWER SUPPLY		V-Ø-Hz	220-240V/1Ø/50Hz				
MOTOR (Free Blow)	250W-6P						
	375W-4P		2		3		
	450W-4P			2		3	
MOTOR (Ducted)	375W-4P						
	450W-4P		2		3		
	550W-4P			2		3	
AIR FILTER	22T-313W-445H-L1-R29						
	22T-388W-445H-L1-R29						
	22T-488W-445H-L1-R29						
	22T-588W-445H-L1-R29						
	22T-475W-445H-L1-R29		2				
	22T-592W-445H-L1-R29			2			
	22T-494W-470H-L1-R29				3		
	22T-556W-470H-L1-R29					3	



Head Office :



Kawasan Sarana Industri Terpadu,
Jl. Industri Cikarang, Pasirgombong,
Cikarang Utara, Bekasi, JawaBarat
17550, Indonesia.



021-8935670/71



saleshvac@udarajadibersih.co.id
estimator@udarajadibersih.co.id



ThermalTrue



@ThermalTrue



ThermalTrue



@ThermalTrue