SP series

Multi-compressor packaged units

Specification:

- 2,3 &4 Copeland scroll ZB & ZF compressors
- Vertical Discharge Condensers – coated fins for long life
- Fan Motors - energy efficient & low noise
- Liquid receiver with pressure relief valve assembly
- Dryer and sight glass assembly
- Electrical control panel with RDM/Carel controller

R404A Duties (watts) 50Hz EN12900 conditions 32 C ambient

Medium Temp Range		Evaporating Temperature (deg C)										
Model	**Comps**	-5	-6	-7	-8	-9	**-10**	-11	-12	-13	-14	-15
SP2-42M	2 x ZB21	12580	12160	11740	11320	10900	**10480**	10110	9740	9370	9000	8640
SP2-60M	2 x ZB30	17160	16580	16000	15420	14840	**14240**	13740	13240	12740	12240	11720
SP2-90M	2 x ZB45	25000	24160	23320	22480	21640	**20800**	20080	19360	18640	17920	17180
SP3-114M	3 x ZB38	31950	30870	29790	28710	27630	**26550**	25610	24670	23730	22790	21870
SP3-135M	3 x ZB45	37500	36240	34980	33720	32460	**31200**	30120	29040	27960	26880	25770
SP4-152M	4 x ZB38	42600	41160	39720	38280	36840	**35400**	34150	32890	31640	30390	29160
SP4-180M	4 x ZB45	50000	48320	46640	44960	43280	**41600**	40160	38720	37280	35840	34360
Low Temp Range		**Evaporating Temperature (deg C)**										
Model	**Comps**	-30	-31	-32	-33	-34	**-35**	-36	-37	-38	-39	-40
SP2-26L	2 x ZF13	6660	6400	6140	5880	5620	**5340**	5120	4900	4680	4460	4220
SP2-30L	2 x ZF15	8160	7840	7520	7200	6880	**6540**	6260	5980	5700	5420	5160
SP2-36L	2 x ZF18	9940	9560	9180	8800	8420	**8020**	7690	7360	7030	6700	6380
SP3-45L	3 x ZF15	12240	11760	11280	10800	10320	**9810**	9390	8970	8550	8130	7740
SP3-54L	3 x ZF18	14910	14340	13770	13200	12630	**12030**	11535	11040	10540	10050	9570
SP4-60L	4 x ZF15	16320	15680	15040	14400	13760	**13080**	12520	11960	11400	10840	10320
SP4-72L	4 x ZF18	19880	19120	18360	17600	16840	**16040**	15380	14720	14060	13400	12760

For R407F duties, derate R404a duties above by 4%
For R407A duties, derate R404a duties above by 6%
For 35C Ambient duties derate by a further 6%

Technical data

Model HT	Comp	HP	Fans	MRA amps	Rec L	Suc	Liq	Width	Depth	Height	kg	dba @10m
SP2-42M	2 x ZB21	6	2	16.40	16	1 1/8"	1/2"	1390	610	1650	280	38
SP2-60M	2 x ZB30	8	2	20.60	16	1 3/8"	5/8"	1390	610	1650	290	38
SP2-90M	2 x ZB45	12	2	26.50	16	1 3/8"	5/8"	1390	610	1650	300	38
SP3-114M	3 x ZB38	15	3	41.80	30	1 3/8"	5/8"	2150	610	1650	450	41
SP3-135M	3 x ZB45	18	3	42.70	30	1 5/8"	3/4"	2150	610	1650	460	41
SP4-152M	4 x ZB38	20	3	56.30	35	1 5/8"	3/4"	2150	610	1850	530	43
SP4-180M	4 x ZB45	24	3	57.50	35	2 1/8"	7/8"	2150	610	1850	540	43
Model LT	**Comp**	**HP**	**Fans**	**MRA amps**	**Rec L**	**Suc**	**Liq**	**Width**	**Depth**	**Height**	**kg**	**dba @10m**
SP2-26L	2 x ZF13	8	2	18.00	16	1 1/8"	1/2"	1390	610	1650	280	38
SP2-30L	2 x ZF15	10	2	22.00	16	1 1/8"	1/2"	1390	610	1650	290	38
SP2-36L	2 x ZF18	12	2	26.00	16	1 3/8"	5/8"	1390	610	1650	300	38
SP3-45L	3 x ZF13	15	3	35.40	30	1 3/8"	5/8"	2150	610	1650	450	41
SP3-54L	3 x ZF15	18	3	44.40	30	1 3/8"	5/8"	2150	610	1650	460	41
SP4-60L	4 x ZF15	20	3	47.40	35	1 5/8"	3/4"	2150	610	1850	530	43
SP4-72L	4 x ZF18	24	3	59.40	35	1 5/8"	7/8"	2150	610	1850	540	43

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