

Suction Accumulator Capacity

SKY Part No.	Connection	Lay-in length	Diameter
306-1016	10.4kW	10kW	6kW
306-1019	11kw	10.5kw	7kw
306-1216	10.5kW	10.2kW	6.5kW
306-1226	13.5kW	13kW	7.5kW
306-145008HE	22kw	21kw	12kw
306-1434	19kW	18kW	10kW
306-1440	22kw	21kw	12kw
306-1855	31kW	30kW	13.5kW
306-185508HE	31kw	30 kw	13.5kw
306-1859	30kw	29kw	14kw
306-2271	44kW	42kW	21kW
306-2610	57kW	55kW	32kW
306-2263	31kw	30kw	14.5kw
306-3415	92kW	89kW	42kW

Suction capacity calculated on: Evaporating temp: 4.4°C
 Condensing temp: 32°C
 pd: 7 kpa (1 psi)

Oil Separators



SKY Part No.	Connection	Height	Diameter	Weight	Oil Connection	Oil Charge
307-06S	3/8 ID	150mm	102mm	2.0kg	1/4MSAE	500ml
307-06	3/8 ID	245mm	102mm	2.2kg	1/4MSAE	500ml
307-08	1/2 ID	245mm	102mm	2.2kg	1/4MSAE	500ml
307-10	5/8 ID	300mm	102mm	3.0kg	1/4MSAE	500ml
307-14	7/8 ID	344mm	102mm	3.3kg	1/4MSAE	500ml
307-18	1-1/8 ID	370mm	102mm	3.6kg	1/4MSAE	500ml
307-22	1-3/8 ID	352mm	152mm	3.7kg	3/8 MSAE	1250ml
307-26	1 5/8 ID	429mm	152mm	3.9kg	3/8 MSAE	1250ml

Manufactured in accordance with AS 2971, with a SWP of 3600 kpa

- ✱ Featuring minimal pd to improve your plant efficiency.
- ✱ Two stage stainless steel oil separation membranes.
- ✱ Separate oil storage compartment to allow separated oil to de-aerate and cool down.
- ✱ Anti-corrosion powder coat finish with solid copper connections.

Oil Separator/Reservoir - For use with electronic or external level control



SKY Part No.	Connection	Height	Diameter	Oil Change
307-14-E	7/8 ID x 3/4 R/L Oil return	344mm	102mm	500ml
307-18-E	1 1/8 ID x 3/4 R/L Oil return	370mm	102mm	500ml
307-22-E	1 3/8 ID x 3/4 R/L Oil return	352mm	152mm	1250ml
307-26-E	1 5/8 ID x 3/4 R/L Oil return	429mm	152mm	1250ml
With Sight Glasses				
307-14-E2	7/8 ID x 3/4 R/L Oil return	352mm	152mm	1250ml
307-18-E2	1 1/8 ID x 3/4 R/L Oil return	352mm	152mm	1250ml
307-22-E2	1 3/8 ID x 3/4 R/L Oil return	352mm	152mm	1250ml

Oil Separator Capacity

SKY Part No.	R22/407C kW 0° +5°	R-404a kW - -30° -20°	R-404a kW - -10° 0°	R-134a kW - -30° -20°	R-134a kW - -10° 0°
307-06	5.0 5.1	4.1 4.3	5.0 5.1	3.7 3.9	4.5 4.6
307-08	6.5 6.8	5.8 6.2	6.5 6.8	5.2 5.6	5.9 6.1
307-10	18.2 18.8	15.4 16.2	17.5 18.5	15.2 15.8	16.4 16.9
307-14	26.9 27.6	24.0 25.2	26.6 28.0	22.9 23.8	24.2 24.8
307-18	35.3 36.4	31.7 33.4	35.0 36.6	29.8 30.9	31.8 32.8
307-22	48.0 48.6	43.1 45.2	48.3 49.5	42.0 42.7	43.2 43.8
307-26	62.1 63.2	54.3 57.2	60.5 63.6	52.2 53.8	54.1 55.6

Capacity calculated on: Condensing temp: 30°C
pd: 7 kpa (1 psi)

Centrifugal Oil Separator/Reservoir (Westermeyer)



SKY Part No.	Connection	Height	Diameter	Max cfm	Oil Charge
307-OS6-13RES	1 3/8 ID	850mm	152mm	12	5.6L
307-OS6-15RES	1 5/8 ID	850mm	152mm	17	5.6L
307-OS6-21RES	2 1/8 ID	850mm	152mm	27	5.6L
307-OS10-25RES	2 5/8 ID	762mm	254mm	76	9.4L

Centrifugal Oil separator Capacity



SKY Part No.	Capacity kW R-22/407C -40 +5	Capacity kW R-404A -40 +5	Capacity kW R-134A -40 +5
307-OS6-13RES	56 63	52 67	35 45
307-OS6-15RES	70 80	67 84	52 60
307-OS6-21RES	112 133	105 137	80 94
307-OS10-25RES	316 351	281 364	198 246

Oil Filters and Strainer



SKY Part No.	Item Description	Length	Diameter	SWP
308-083	3/8 msae, 74 micron	147 mm	64 mm	3600 kpa
308-1	Oil filter element to suit 413 filter shell	10 micron		
308-413	Accessible oil filter shell	168mm	89mm	3600 kpa
308-303-F	3/8 MSAE oil filter / drier	251mm	76mm	3600 kpa

Manufactured in accordance with AS 2971

Oil Level Controllers



SKY Part No.	Item Description	SWP
308-RG-4F	Multi fit mechanical float oil regulator	3600 kpa
308-0606-5	Oil line pressure differential check valve 5lb	3600 kpa
308-COM1-230	Electronic oil level controller Deka COM1-230	6000 kpa
308-COM1-MULTI	Adaptor COM1 - Multi Fit 3 & 4 bolt	6000 kpa
308-COM1-OCT/MAN	Adaptor COM1- 1 1/8 - 18 UNEF Bitzer Octagon and Manuerope	6000 kpa
308-COM1-COP1	Adaptor Deka COM1-Copeland 1 1/4 - 12 UNF ZB and ZR15 to 190	4200 kpa
308-COM1-COP2	Adaptor Deka COM1-Copeland 3/4 NPT	
308-COM1-COP3	Adaptor Deka COM1-Copeland 1 3/4 - 12 UNF ZB and ZR250 to 380	4200 kpa

Manufactured in accordance with AS 2971

Coalescing Oil Separators



Sky Part No:	Connection	Height	Diameter	Max CFM	Oil Cap	Filter
307-COS4-05FR	5/8	480	110	10	2.9L	308-90-050K
307-COS4-07FR	7/8	710	110	10	2.9L	308-90-050K
307-COS4-11FR	1 1/8	710	110	20	4.1L	308-90-051K
307-COS4-13FR	1 3/8	850	152	21	4.1L	308-90-051K
307-OS6-15FCR	1 5/8	850	152	14	7.5L	308-90-016K
307-OS6-21FCR	2 1/8	850	152	14	7.5L	308-90-016K
307-W-1902CR	2 1/8	730	225	21	7.5L	308-90-016K
307-W-1903CR-A	2 5/8	1025	225	40	13.1L	308-90-020K

- ☀ Use a Borosilicate Glass filter element designed to both capture contaminants to 3 micron and separate aerosols in liquid to .001 microns
- ☀ Will separate up to 50% more aerosols in discharge gas than conventional or centrifugal oil separators.
- ☀ Suitable for use with R-717.

Note: The filter element has done its job when the Pd across the separator reaches 15psig and should be changed.

A 308-DP-01 Gauge is recommended.

Differential Pressure Gauge and Switch



Sky Part No:	Connection	Range	Switch Point
308-PD-01	1/4 MSAE	0-15psi	12 psid