



A-FC 6221717H

A-FC / A-WC HIGH EFFICIENCY CENTRIFUGAL OIL SEPARATOR

The High Efficiency Centrifugal Oil Separator is used in ultra-low temperature systems with long refrigerant lines or inherent oil return problems. It is also used on multiple compressor racks for supermarkets and air conditioning systems for use with CFCs, HCFCs, HFCs, and their lubricants. A-WC Series is suitable for use with R-410A.

FEATURES

- Internal oil collection screen
- Hermetic welded or accessible bolted flange construction
- Corrosion resistant epoxy powder paint
- High efficiency (99%) centrifugal separation

SPECIFICATIONS

Maximum Working Pressure

A-FC Flanged Models 450 psi (31 bar)
 A-WC Welded Models 600 psi (41 bar)

UL/CUL File Number SA8547

Canadian CRN 0H20236-5C

MODEL NUMBER NOMENCLATURE - Example: A-FC 10272121H

SERIES	STYLE	CENTRIFUGAL	SHELL DIAMETER	LENGTH	INLET CONNECTION	OUTLET CONNECTION	LEG HEIGHT	SEQUENTIAL IDENTIFIER	CUSTOMER SPECIAL	PACK TYPE
A	F	C	10	27	21	21	H			
A-WC / A-FC Series	F = Flanged W = Welded	Centrifugal Design	Diameter in Inches	Length in Inches	In 1/8" Increments	In 1/8" Increments	H = 10" (Omit for 5" Standard, 2.95" or no legs)	Blank Thru -99	G = Customer Special (Omit for Standard)	B1 = Bulk Pack (Omit for Individual Pack)

A-WC | A-FC SERIES OIL SEPARATORS

F = FLANGED W = WELDED	DIAMETER (IN)	OVERALL LENGTH (IN)	CONNECTION SIZE (ODF)	LEG HEIGHT (IN)	DISCHARGE MAXIMUM (CFM)	MAXIMUM CAPACITY OF REFRIGERATION AT EVAPORATOR TEMPERATURE (TONS/KW)								MODEL NUMBER	ITEM NUMBER
						R-134a / R-450A / R-513A		R-22 / R-407C / R-448A / R-449A		R-404A / R-507		R-410A			
						-40°F	+40°F	-40°F	+40°F	-40°F	+40°F	-40°F	+40°F		
F	6	22	1-3/8"	5.0	15.9	12.2 (42.8)	14.9 (52.4)	17.6 (61.9)	21.0 (73.9)	16.8 (59.1)	22.1 (77.9)	—	—	A-FC 6221111 ¹	065930
F	6	27	1-3/8"	10.0	15.9	12.2 (42.8)	14.9 (52.4)	17.6 (61.9)	21.0 (73.9)	16.8 (59.1)	22.1 (77.9)	—	—	A-FC 6221111H ¹	065931
F	6	22	1-5/8"	5.0	24.4	18.7 (65.6)	22.8 (80.3)	27.0 (94.8)	32.2 (113.2)	25.8 (90.6)	33.9 (119.3)	—	—	A-FC 6221313 ¹	065362
F	6	27	1-5/8"	10.0	24.4	18.7 (65.6)	22.8 (80.3)	27.0 (94.8)	32.2 (113.2)	25.8 (90.6)	33.9 (119.3)	—	—	A-FC 6221313H ¹	065932
F	6	22	2-1/8"	5.0	31.3	23.9 (84.0)	29.2 (102.8)	34.5 (121.4)	41.2 (145.0)	33.3 (116.0)	43.5 (152.8)	—	—	A-FC 6221717 ¹	065933
F	6	27	2-1/8"	10.0	31.3	23.9 (84.0)	29.2 (102.8)	34.5 (121.4)	41.2 (145.0)	33.3 (116.0)	43.5 (152.8)	—	—	A-FC 6221717H ¹	065934
F	8	24	2-1/8"	5.0	38.1	29.1 (102.3)	35.6 (125.1)	42.0 (147.8)	50.2 (176.5)	40.1 (141.2)	52.9 (186.1)	—	—	A-FC 8241717 ¹	065276
F	8	29	2-1/8"	10.0	38.1	29.1 (102.3)	35.6 (125.1)	42.0 (147.8)	50.2 (176.5)	40.1 (141.2)	52.9 (186.1)	—	—	A-FC 8241717H ¹	065935
F	10	27	2-5/8"	5.0	66.1	50.5 (177.5)	61.7 (217.1)	72.9 (256.5)	87.1 (306.3)	69.7 (245.0)	91.8 (322.8)	—	—	A-FC 10272121 ¹	065936
F	10	32	2-5/8"	10.0	66.1	50.5 (177.5)	61.7 (217.1)	72.9 (256.5)	87.1 (306.3)	69.7 (245.0)	91.8 (322.8)	—	—	A-FC 10272121H ¹	065937

A-WC | A-FC SERIES OIL SEPARATORS <CONT'D>

F = FLANGED W = WELDED	DIAMETER (IN)	OVERALL LENGTH (IN)	CONNECTION SIZE (ODF)	LEG HEIGHT (IN)	DISCHARGE MAXIMUM (CFM)	MAXIMUM CAPACITY OF REFRIGERATION AT EVAPORATOR TEMPERATURE (TONS/KW)								MODEL NUMBER	ITEM NUMBER
						R-134a / R-450A / R-513A		R-22 / R-407C / R-448A / R-449A		R-404A / R-507		R-410A			
						-40°F	+40°F	-40°F	+40°F	-40°F	+40°F	-40°F	+40°F		
F	12	35	3-1/8"	10.0	88.9	67.9 (238.9)	83.1 (292.1)	98.1 (345.2)	117.2 (412.2)	93.7 (329.7)	123.5 (434.4)	—	—	A-FC 12302525H	065938
W	4	17	7/8"	3.0	6.7	5.1 (18.1)	6.3 (22.1)	7.4 (26.2)	8.9 (31.2)	7.1 (25.0)	9.4 (32.9)	12.2 (42.8)	13.8 (48.3)	A-WC 41777	065895
W	4	19	1-1/8"	3.0	11.6	8.8 (31.0)	10.8 (38.0)	12.8 (44.9)	15.2 (53.6)	12.2 (42.8)	16.1 (56.4)	20.9 (73.4)	23.7 (83.3)	A-WC 41999	065896
W	6	18	1-3/8"	—	15.9	12.2 (42.8)	14.9 (52.4)	17.6 (61.9)	21.0 (73.9)	16.8 (15.1)	22.1 (77.9)	28.8 (101.2)	32.7 (114.9)	A-WC 6181111	066094
W	6	18	1-5/8"	—	24.4	18.7 (65.6)	22.8 (80.3)	27.0 (94.8)	32.2 (113.2)	25.8 (90.6)	33.9 (119.3)	44.1 (155.1)	50.1 (176.0)	A-WC 6181313	066095
W	6	18	2-1/8"	—	31.3	23.9 (84.0)	29.2 (102.8)	34.5 (121.4)	41.2 (145.0)	33.0 (116.0)	43.5 (152.8)	56.5 (198.6)	64.1 (225.4)	A-WC 6181717	066096

¹ Replaceable Float

A-WC | A-FC SERIES PARTS LIST

DESCRIPTION	MODEL NUMBER	ITEM NUMBER
Oil Separator Flange Gasket	OIL SEPARATOR KIT	065849
Flange with Integral Float Assembly and Flange Gasket, Repairs A-FC, AF, AC and R Series S1900 Standard and 5200 Helical Oil Separators	FLOAT REPAIR KIT	065847



Detailed Product Drawings