

System Protector Capacity Tables

Hermetic Suction Line Filter Drier Flow Capacities

Description	Connections	Flow Capacity In Tons Refrigerant ¹ (For kW, Multiply Tons By 3.5) ²											
		R-12				R-134a /R-450A/R-513A				R-744			
		Evaporator Temperature (°F)											
		40	20	0	-20	40	20	0	-20	20	0	-20	-40
		Pressure Drop (PSI)											
2	1.5	1	0.5	2	1.5	1	0.5	6	5	4	3		
ASD 28S3-VV	3/8 ODF	1.1	0.6	0.5	0.5	1.1	0.6	0.5	0.4	7.2	6.3	6.8	8.5
ASD 28S4-VV	1/2 ODF	1.8	1.2	0.8	0.7	1.9	1.2	0.8	0.6	11.8	10.2	10.6	14.2
ASD 35F5-VV	5/8 SAE	2.1	1.4	1.1	0.9	2.2	1.4	1.0	0.8	13.7	12.2	12.9	17.0
ASD 35S5-VV	5/8 ODF	2.8	1.9	1.4	1.1	2.9	1.9	1.3	1.0	18.1	15.6	16.7	22.7
ASD 45S6-VV	3/4 ODF	3.8	2.5	1.8	1.2	3.9	2.5	1.7	1.1	21.8	22.4	24.2	28.4
ASD 45S7-VV	7/8 ODF	5.0	3.6	2.3	1.5	5.1	3.5	2.2	1.3	28.7	29.2	31.1	36.9
ASD 50S9-VV	1-1/8 ODF	7.1	5.0	3.2	1.8	7.3	4.9	3.0	1.6	41.1	41.3	43.2	49.6
ASD 75S11-VV	1-3/8 ODF	8.6	5.9	3.7	2.0	8.8	5.8	3.5	1.8	50.5	49.6	50.8	56.7
ASD 75S13-VV	1-5/8 ODF	9.0	6.2	3.9	2.1	9.3	6.1	3.7	1.9	53.9	52.0	53.0	59.6
ASF 28S3-VV	3/8 ODF	1.2	0.8	0.5	0.5	1.2	0.8	0.5	0.4	7.5	6.3	6.8	9.9
ASF 28S4-VV	1/2 ODF	1.9	1.3	0.9	0.8	2.0	1.3	0.9	0.7	12.8	11.2	12.1	17.0
ASF 35F5-VV	5/8 SAE	2.2	1.5	1.1	0.9	2.3	1.5	1.0	0.8	14.6	12.6	13.6	18.4
ASF 35S5-VV	5/8 ODF	3.2	2.2	1.6	1.4	3.3	2.2	1.5	1.2	20.6	18.0	19.7	26.9
ASF 45S6-VV	3/4 ODF	4.7	3.2	2.3	1.8	4.8	3.1	2.2	1.6	30.5	26.7	28.0	38.3
ASF 45S7-VV	7/8 ODF	6.5	4.8	3.3	1.9	6.7	4.7	3.1	1.7	37.4	38.9	42.4	51.0
ASF 50S9-VV	1-1/8 ODF	9.2	6.8	4.5	2.6	9.5	6.7	4.3	2.3	59.2	58.3	62.1	69.5
ASF 64S17-VV	2-1/8 ODF	25.3	18.3	12.6	7.2	26.0	18	12	6.4	127.8	131.2	144.0	170.2
ASF 75S11-VV	1-3/8 ODF	11.7	8.8	5.9	3.4	12.0	8.7	5.6	3.0	49.9	72.9	83.4	95.0
ASF 75S13-VV	1-5/8 ODF	13.6	9.7	6.6	3.8	14.0	9.5	6.3	3.4	74.8	72.9	75.8	92.2
ASK 165S-VV-HH	5/8 ODF	1.9	1.4	0.8	0.6	2.0	1.4	0.8	0.5	10.6	10.2	10.6	12.8
ASK 166S-VV-HH	3/4 ODF	2.4	1.7	1.1	0.7	2.5	1.7	1.0	0.6	13.1	12.6	12.9	14.2
ASK 167S-VV-HH	7/8 ODF	2.6	1.8	1.2	0.7	2.7	1.8	1.1	0.6	14.3	13.6	14.4	15.6
ASK 306S-VV-HH	3/4 ODF	3.3	2.3	1.5	0.9	3.4	2.3	1.4	0.8	17.1	17.0	17.4	19.9
ASK 307S-VV-HH	7/8 ODF	3.5	2.5	1.6	0.9	3.6	2.5	1.5	0.8	19.0	18.5	18.9	21.3
ASK 309S-VV-HH	1-1/8 ODF	3.8	2.6	1.7	0.9	3.9	2.6	1.6	0.8	20.3	19.4	19.7	22.7
CSFD 14S4-VV	1/2 ODF	1.3	0.9	0.5	0.3	1.3	0.9	0.5	0.3	6.2	6.3	6.8	8.5
CSFD 14S5-VV	5/8 ODF	2.2	1.5	0.9	0.6	2.3	1.5	0.9	0.5	11.2	11.7	12.1	14.2
CSFD 14S6-VV	3/4 ODF	3.0	2.1	1.3	0.8	3.1	2.1	1.3	0.7	15.3	15.6	16.7	19.9
CSFD 14S7-VV	7/8 ODF	3.2	2.2	1.5	0.8	3.3	2.2	1.4	0.7	16.2	16.5	17.4	21.3
CSFD 14S9-VV	1-1/8 ODF	4.4	3.1	1.9	1.1	4.5	3.0	1.8	1.0	21.8	22.4	23.5	28.4
SFD 13F3-VV	3/8 SAE	0.7	0.4	0.2	0.1	0.7	0.4	0.2	0.1	4.4	3.9	3.0	2.8
SFD 13S3-VV	3/8 ODF	1.3	0.8	0.5	0.2	1.3	0.8	0.5	0.2	6.9	6.3	6.1	7.1
SFD 13F4-VV	1/2 SAE	1.5	1.0	0.6	0.3	1.5	1.0	0.6	0.3	7.5	7.8	8.3	9.9
SFD 13S4-VV	1/2 ODF	2.2	1.5	1.1	0.6	2.3	1.5	1.0	0.5	10.9	11.2	12.1	14.2
SFD 13F5-VV	5/8 SAE	2.4	1.7	1.2	0.7	2.5	1.7	1.1	0.6	11.5	11.7	12.1	14.2
SFD 13S5-VV	5/8 ODF	3.0	2.1	1.4	0.8	3.1	2.1	1.3	0.7	15.3	15.6	16.7	19.9
SFD 13S6-VV	3/4 ODF	4.0	2.7	1.8	1.0	4.1	2.7	1.7	0.9	19.9	20.4	21.2	25.5
SFD 13S7-VV	7/8 ODF	4.3	3.1	2.0	1.1	4.4	3.0	1.9	1.0	22.4	22.4	22.7	26.9
SFD 27S6-VV	3/4 ODF	4.0	2.7	1.8	1.0	4.1	2.7	1.7	0.9	19.9	20.4	21.2	25.5
SFD 27S7-VV	7/8 ODF	4.6	3.2	2.0	1.1	4.7	3.1	1.9	1.0	23.4	23.3	24.2	28.4
SFD 27S9-VV	1-1/8 ODF	5.1	3.5	2.1	1.1	5.2	3.4	2.0	1.0	26.5	26.2	26.5	29.8
SFD 54S11-VV	1-3/8 ODF	4.4	2.9	1.8	1.0	4.5	2.9	1.7	0.9	22.8	22.4	22.7	25.5
SFD 54S13-VV	1-5/8 ODF	4.5	3.1	1.9	1.0	4.6	3.0	1.8	0.9	23.1	22.8	24.2	28.4

¹ All ratings in accordance with ARI Standard 730-04.

² Example: 1.0 tons x 3.5 = 3.5 kW

System Protector Capacity Tables

Hermetic Suction Line Filter Drier Flow Capacities

Description	Connections	Flow Capacity In Tons Refrigerant ¹ (For kW, Multiply Tons By 3.5) ²														
		R-22/R-448A/R-449A					R-407C					R-410A				
		Evaporator Temperature (°F)														
		40	20	0	-20	-40	40	20	0	-20	-40	40	20	0	-20	-40
		Pressure Drop (PSI)														
3	2	1.5	1	0.5	3	2	1.5	1	0.5	3	2	1.5	1	0.5		
ASD 28S3-VV	3/8 ODF	2.3	1.3	0.9	0.6	0.5	2.1	1.2	0.8	0.5	0.4	2.8	1.6	1.1	0.7	0.6
ASD 28S4-VV	1/2 ODF	3.8	2.1	1.4	1.0	0.8	3.5	1.9	1.2	0.9	0.7	4.6	2.6	1.7	1.2	1.0
ASD 35F5-VV	5/8 SAE	4.4	2.5	1.7	1.2	0.9	4.1	2.3	1.5	1.0	0.7	5.3	3.0	2.1	1.5	1.1
ASD 35S5-VV	5/8 ODF	5.8	3.2	2.2	1.6	1.0	5.4	2.9	1.9	1.4	0.8	7.0	3.9	2.7	2.0	1.3
ASD 45S6-VV	3/4 ODF	7.0	4.6	3.2	2.0	1.1	6.5	4.2	2.8	1.7	0.9	8.5	5.6	3.9	2.5	1.4
ASD 45S7-VV	7/8 ODF	9.2	6.0	4.1	2.6	1.4	8.5	5.5	3.6	2.3	1.2	11.2	7.3	5.0	3.2	1.8
ASD 50S9-VV	1-1/8 ODF	13.2	8.5	5.7	3.5	1.8	12.2	7.7	5.0	3.1	1.5	16.0	10.3	7.0	4.3	2.3
ASD 75S11-VV	1-3/8 ODF	16.2	10.2	6.7	4.0	2.0	15.0	9.3	5.9	3.5	1.7	19.6	12.4	8.2	5.0	2.5
ASD 75S13-VV	1-5/8 ODF	17.3	10.7	7.0	4.2	2.1	16.0	9.7	6.2	3.7	1.7	21.0	13.0	8.6	5.2	2.6
ASF 28S3-VV	3/8 ODF	2.4	1.3	0.9	0.7	0.5	2.2	1.2	0.8	0.6	0.4	2.9	1.6	1.1	0.9	0.6
ASF 28S4-VV	1/2 ODF	4.1	2.3	1.6	1.2	0.9	3.8	2.1	1.4	1.0	0.7	5.0	2.8	2.0	1.5	1.1
ASF 35F5-VV	5/8 SAE	4.7	2.6	1.8	1.3	1.0	4.4	2.4	1.6	1.1	0.8	5.7	3.2	2.2	1.6	1.3
ASF 35S5-VV	5/8 ODF	6.6	3.7	2.6	1.9	1.6	6.1	3.4	2.3	1.7	1.3	8.0	4.5	3.2	2.4	2.0
ASF 45S6-VV	3/4 ODF	9.8	5.5	3.7	2.7	2.2	9.1	5.0	3.3	2.4	1.8	11.9	6.7	4.5	3.4	2.8
ASF 45S7-VV	7/8 ODF	12.0	8.0	5.6	3.6	3.0	11.1	7.3	5.0	3.1	2.5	14.6	9.7	6.9	4.5	3.8
ASF 50S9-VV	1-1/8 ODF	19.0	12.0	8.2	4.9	2.6	17.6	10.9	7.3	4.3	2.2	23.0	14.6	10.1	6.1	3.3
ASF 64S17-VV	2-1/8 ODF	41.0	27.0	19.0	12.0	6.9	38.0	24.5	16.8	10.5	5.7	49.7	32.8	23.3	14.9	8.6
ASF 75S11-VV	1-3/8 ODF	16.0	15.0	11.0	6.7	3.3	14.8	13.6	9.7	5.8	2.7	19.4	18.2	13.5	8.3	4.1
ASF 75S13-VV	1-5/8 ODF	24.0	15.0	10.0	6.5	3.2	22.2	13.6	8.9	5.7	2.7	29.1	18.2	12.3	8.1	4.0
ASK 165S-VV-HH	5/8 ODF	3.4	2.1	1.4	0.9	0.4	3.2	1.9	1.2	0.8	0.3	4.1	2.6	1.7	1.1	0.5
ASK 166S-VV-HH	3/4 ODF	4.2	2.6	1.7	1.0	0.5	3.9	2.4	1.5	0.9	0.4	5.1	3.2	2.1	1.2	0.6
ASK 167S-VV-HH	7/8 ODF	4.6	2.8	1.9	1.1	0.6	4.3	2.5	1.7	1.0	0.5	5.6	3.4	2.3	1.4	0.8
ASK 306S-VV-HH	3/4 ODF	5.5	3.5	2.3	1.4	0.8	5.1	3.2	2.0	1.2	0.7	6.7	4.3	2.8	1.7	1.0
ASK 307S-VV-HH	7/8 ODF	6.1	3.8	2.5	1.5	0.8	5.7	3.5	2.2	1.3	0.7	7.4	4.6	3.1	1.9	1.0
ASK 309S-VV-HH	1-1/8 ODF	6.5	4.0	2.6	1.6	0.8	6.0	3.6	2.3	1.4	0.7	7.9	4.9	3.2	2.0	1.0
CSFD 14S4-VV	1/2 ODF	2.0	1.3	0.9	0.6	0.3	1.9	1.2	0.8	0.5	0.2	2.4	1.6	1.1	0.7	0.4
CSFD 14S5-VV	5/8 ODF	3.6	2.4	1.6	1.0	0.5	3.3	2.2	1.4	0.9	0.4	4.4	2.9	2.0	1.2	0.6
CSFD 14S6-VV	3/4 ODF	4.9	3.2	2.2	1.4	0.7	4.5	2.9	1.9	1.2	0.6	5.9	3.9	2.7	1.7	0.9
CSFD 14S7-VV	7/8 ODF	5.2	3.4	2.3	1.5	0.8	4.8	3.1	2.0	1.3	0.7	6.3	4.1	2.8	1.9	1.0
CSFD 14S9-VV	1-1/8 ODF	7.0	4.6	3.1	2.0	1.0	6.5	4.2	2.7	1.7	0.8	8.5	5.6	3.8	2.5	1.3
SFD 13F3-VV	3/8 SAE	1.4	0.8	0.4	0.2	0.1	1.3	0.7	0.4	0.2	0.1	1.7	1.0	0.5	0.2	0.1
SFD 13S3-VV	3/8 ODF	2.2	1.3	0.8	0.5	0.2	2.0	1.2	0.7	0.4	0.2	2.7	1.6	1.0	0.6	0.3
SFD 13F4-VV	1/2 SAE	2.4	1.6	1.1	0.7	0.4	2.2	1.5	1.0	0.6	0.3	2.9	1.9	1.3	0.9	0.5
SFD 13S4-VV	1/2 ODF	3.5	2.3	1.6	1.0	0.6	3.2	2.1	1.4	0.9	0.5	4.2	2.8	2.0	1.2	0.8
SFD 13F5-VV	5/8 SAE	3.7	2.4	1.6	1.0	0.6	3.4	2.2	1.4	0.9	0.5	4.5	2.9	2.0	1.2	0.8
SFD 13S5-VV	5/8 ODF	4.9	3.2	2.2	1.4	0.8	4.5	2.9	1.9	1.2	0.7	5.9	3.9	2.7	1.7	1.0
SFD 13S6-VV	3/4 ODF	6.4	4.2	2.8	1.8	1.0	5.9	3.8	2.5	1.6	0.8	7.8	5.1	3.4	2.2	1.3
SFD 13S7-VV	7/8 ODF	7.2	4.6	3.0	1.9	1.0	6.7	4.2	2.7	1.7	0.8	8.7	5.6	3.7	2.4	1.3
SFD 27S6-VV	3/4 ODF	6.4	4.2	2.8	1.8	1.0	5.9	3.8	2.5	1.6	0.8	7.8	5.1	3.4	2.2	1.3
SFD 27S7-VV	7/8 ODF	7.5	4.8	3.2	2.0	1.1	7.0	4.4	2.8	1.7	0.9	9.1	5.8	3.9	2.5	1.4
SFD 27S9-VV	1-1/8 ODF	8.5	5.4	3.5	2.1	1.1	7.9	4.9	3.1	1.8	0.9	10.3	6.6	4.3	2.6	1.4
SFD 54S11-VV	1-3/8 ODF	7.3	4.6	3.0	1.8	1.0	6.8	4.2	2.7	1.6	0.8	8.9	5.6	3.7	2.2	1.3
SFD 54S13-VV	1-5/8 ODF	7.4	4.7	3.2	2.0	1.0	6.9	4.3	2.8	1.7	0.8	9.0	5.7	3.9	2.5	1.3

¹ All ratings in accordance with ARI Standard 730-04.

² Example: 1.0 tons x 3.5 = 3.5 kW

Hermetic Suction Line Filter Drier Flow Capacities

Description	Connections	Flow Capacity In Tons Refrigerant ¹ (For kW, Multiply Tons By 3.5) ²									
		R-502					R-404A/R-507				
		Evaporator Temperature (°F)									
		40	20	0	-20	40	20	0	-20	-40	
		Pressure Drop (PSI)									
3	2	1.5	1	3	2	1.5	1	0.5			
ASD 28S3-VV	3/8 ODF	2.2	1.1	0.7	0.5	2.1	1.1	0.7	0.5	0.3	
ASD 28S4-VV	1/2 ODF	3.7	1.8	1.1	0.7	3.6	1.8	1.1	0.7	0.5	
ASD 35F5-VV	5/8 SAE	4.2	2.1	1.3	0.9	4.1	2.1	1.3	0.9	0.6	
ASD 35S5-VV	5/8 ODF	5.6	2.8	1.7	1.1	5.4	2.8	1.7	1.1	0.8	
ASD 45S6-VV	3/4 ODF	6.6	3.7	2.5	1.5	6.4	3.7	2.5	1.6	1.0	
ASD 45S7-VV	7/8 ODF	7.7	4.8	3.3	1.9	7.5	4.8	3.3	2.0	1.1	
ASD 50S9-VV	1-1/8 ODF	11.0	6.9	4.6	2.7	11.0	6.9	4.6	2.8	1.4	
ASD 75S11-VV	1-3/8 ODF	14.0	8.4	5.4	3.1	14.0	8.4	5.4	3.2	1.6	
ASD 75S13-VV	1-5/8 ODF	15.0	8.9	5.7	3.3	15.0	8.9	5.7	3.4	1.7	
ASF 28S3-VV	3/8 ODF	2.3	1.1	0.7	0.5	2.2	1.1	0.7	0.5	0.3	
ASF 28S4-VV	1/2 ODF	3.9	2.0	1.2	0.8	3.8	2.0	1.2	0.8	0.6	
ASF 35F5-VV	5/8 SAE	4.5	2.3	1.4	0.9	4.4	2.3	1.4	0.9	0.7	
ASF 35S5-VV	5/8 ODF	6.3	3.2	2.0	1.4	6.1	3.2	2.0	1.4	1.0	
ASF 45S6-VV	3/4 ODF	9.4	4.7	2.9	1.8	9.1	4.7	2.9	1.9	1.4	
ASF 45S7-VV	7/8 ODF	10.0	6.3	4.5	2.7	9.8	6.3	4.5	2.8	1.5	
ASF 50S9-VV	1-1/8 ODF	16.0	10.0	6.6	3.9	16.0	10.0	6.7	4.0	2.0	
ASF 64S17-VV	2-1/8 ODF	36.0	23.0	15.0	9.5	35.0	23.0	15.0	9.8	5.2	
ASF 75S11-VV	1-3/8 ODF	21.0	13.0	8.2	4.9	20.0	13.0	8.3	5.1	2.6	
ASF 75S13-VV	1-5/8 ODF	22.0	13.0	8.3	5.0	21.0	13.0	8.4	5.2	2.7	
ASK 165S-VV-HH	5/8 ODF	3.3	1.9	1.2	0.8	3.2	1.9	1.2	0.8	0.3	
ASK 166S-VV-HH	3/4 ODF	4.0	2.4	1.6	0.9	3.9	2.4	1.6	0.9	0.5	
ASK 167S-VV-HH	7/8 ODF	4.4	2.6	1.7	1.0	4.3	2.6	1.7	1.0	0.6	
ASK 306S-VV-HH	3/4 ODF	5.2	3.2	2.2	1.2	5.0	3.2	2.2	1.2	0.7	
ASK 307S-VV-HH	7/8 ODF	5.8	3.5	2.3	1.4	5.6	3.5	2.3	1.4	0.7	
ASK 309S-VV-HH	1-1/8 ODF	6.2	3.7	2.4	1.4	6.0	3.7	2.4	1.5	0.7	
CSFD 14S4-VV	1/2 ODF	1.3	0.8	0.5	0.3	1.3	0.8	0.5	0.3	0.2	
CSFD 14S5-VV	5/8 ODF	2.7	1.7	1.1	0.7	2.6	1.7	1.1	0.7	0.3	
CSFD 14S6-VV	3/4 ODF	3.7	2.3	1.5	0.9	3.6	2.3	1.5	0.9	0.5	
CSFD 14S7-VV	7/8 ODF	4.0	2.4	1.6	1.0	3.9	2.4	1.6	1.0	0.5	
CSFD 14S9-VV	1-1/8 ODF	5.1	3.1	2.0	1.3	4.9	3.1	2.0	1.3	0.7	
SFD 13F3-VV	3/8 SAE	1.3	0.7	0.4	0.2	1.3	0.7	0.4	0.2	0.1	
SFD 13S3-VV	3/8 ODF	2.0	1.1	0.7	0.4	1.9	1.1	0.7	0.4	0.2	
SFD 13F4-VV	1/2 SAE	2.2	1.3	0.9	0.5	2.1	1.3	0.9	0.5	0.3	
SFD 13S4-VV	1/2 ODF	3.1	1.9	1.3	0.8	3.0	1.9	1.3	0.8	0.4	
SFD 13F5-VV	5/8 SAE	3.3	2.0	1.4	0.9	3.2	2.0	1.4	0.9	0.5	
SFD 13S5-VV	5/8 ODF	4.3	2.7	1.8	1.1	4.2	2.7	1.8	1.1	0.6	
SFD 13S6-VV	3/4 ODF	5.8	3.5	2.3	1.4	5.6	3.5	2.3	1.4	0.7	
SFD 13S7-VV	7/8 ODF	6.5	3.9	2.6	1.4	6.3	3.9	2.6	1.5	0.8	
SFD 27S6-VV	3/4 ODF	5.8	3.5	2.3	1.4	5.6	3.5	2.3	1.4	0.7	
SFD 27S7-VV	7/8 ODF	6.7	4.1	2.7	1.5	6.5	4.1	2.7	1.6	0.8	
SFD 27S9-VV	1-1/8 ODF	7.7	4.6	3.0	1.6	7.5	4.6	3.0	1.7	0.9	
SFD 54S11-VV	1-3/8 ODF	6.6	3.9	2.5	1.4	6.4	3.9	2.5	1.5	0.7	
SFD 54S13-VV	1-5/8 ODF	6.7	4.0	2.6	1.5	6.5	4.0	2.6	1.6	0.8	

¹ All ratings in accordance with ARI Standard 730-04.

² Example: 1.0 tons x 3.5 = 3.5 kW

System Protector Capacity Tables

Take-Apart Suction Line Filter Drier Flow Capacities

Description	Connections	Filter Drier Cartridge	Flow Capacity In Tons Refrigerant ¹ (For kW, Multiply Tons By 3.5) ²							
			R-12				R-134a /R-450A/R-513A			
			Evaporator Temperature (°F)							
			40	20	0	-20	40	20	0	-20
			Pressure Drop (PSI)							
2	1.5	1	0.5	2	1.5	1	0.5			
ADKS 30013T	1-5/8 ODF	(3) F-100 Filter	24.0	17.0	12.0	7.0	25.0	17.0	11.0	6.2
ADKS 30017T	2-1/8 ODF	(3) F-100 Filter	42.0	31.0	20.0	12.0	43.0	30.0	19.0	11.0
ADKS 40017T	2-1/8 ODF	(4) F-100 Filter	44.0	32.0	21.0	12.0	45.0	31.0	20.0	11.0
ADKS 40021T	2-5/8 ODF	(4) F-100 Filter	66.0	48.0	32.0	19.0	68.0	47.0	30.0	17.0
ADKS 30013T	1-5/8 ODF	(3) 100 cu in Core	19.0	14.0	9.1	5.5	20.0	14.0	8.7	4.9
ADKS 30017T	2-1/8 ODF	(3) 100 cu in Core	30.0	22.0	15.0	8.7	31.0	22.0	14.0	7.7
ADKS 40017T	2-1/8 ODF	(4) 100 cu in Core	33.0	23.0	16.0	9.5	34.0	23.0	15.0	8.4
ADKS 40021T	2-5/8 ODF	(4) 100 cu in Core	48.0	35.0	23.0	14.0	49.0	34.0	22.0	12.0
BTAS-27 S-V	7/8 ODF	A2F Filter	4.7	3.4	2.2	1.2	4.8	3.3	2.1	1.1
BTAS-39 S-V	1-1/8 ODF	A3F Filter	7.1	5.1	3.4	1.9	7.3	5.0	3.2	1.7
BTAS-311 S-V	1-3/8 ODF	A3F Filter	7.9	5.6	3.7	2.1	8.1	5.5	3.5	1.9
BTAS-313 S-V	1-5/8 ODF	A3F Filter	13.0	8.9	5.9	3.4	13.0	8.8	5.6	3.0
BTAS-317 S-V	2-1/8 ODF	A3F Filter	15.0	11.0	7.2	4.2	16.0	11.0	6.9	3.7
BTAS-411 S-V	1-3/8 ODF	A4F Filter	17.0	12.0	8.0	4.5	17.0	12.0	7.4	4.0
BTAS-413 S-V	1-5/8 ODF	A4F Filter	20.0	15.0	10.0	5.5	21.0	14.0	9.1	4.9
BTAS-417 S-V	2-1/8 ODF	A4F Filter	28.0	20.0	13.0	7.5	29.0	20.0	12.0	6.7
BTAS-421 S-V	2-5/8 ODF	A4F Filter	34.0	24.0	16.0	9.1	35.0	24.0	15.0	8.1
BTAS-517 S-V	2-1/8 ODF	A5F Filter	33.0	24.0	16.0	9.1	34.0	24.0	15.0	8.1
BTAS-521 S-V	2-5/8 ODF	A5F Filter	44.0	32.0	21.0	12.0	45.0	31.0	20.0	11.0
BTAS-525 S-V	3-1/8 ODF	A5F Filter	54.0	39.0	25.0	15.0	56.0	38.0	24.0	13.0
BTAS-25 S-V	5/8 ODF	A2F-D Filter Drier	2.4	1.7	1.2	0.7	2.5	1.7	1.1	0.6
BTAS-27 S-V	7/8 ODF	A2F-D Filter Drier	4.0	2.8	1.9	1.1	4.1	2.8	1.8	1.0
BTAS-39 S-V	1-1/8 ODF	A3F-D Filter Drier	5.2	3.7	2.4	1.4	5.3	3.6	2.3	1.2
BTAS-311 S-V	1-3/8 ODF	A3F-D Filter Drier	7.2	5.2	3.4	1.9	7.4	5.1	3.2	1.7
BTAS-313 S-V	1-5/8 ODF	A3F-D Filter Drier	10.0	7.4	4.8	2.8	11.0	7.3	4.6	2.5
BTAS-317 S-V	2-1/8 ODF	A3F-D Filter Drier	12.0	8.5	5.7	3.3	12.0	8.4	5.4	2.9
BTAS-411 S-V	1-3/8 ODF	A4F-D Filter Drier	15.0	11.0	7.0	4.1	15.0	11.0	6.7	3.6
BTAS-413 S-V	1-5/8 ODF	A4F-D Filter Drier	15.0	11.0	7.2	4.2	16.0	11.0	6.9	3.7
BTAS-417 S-V	2-1/8 ODF	A4F-D Filter Drier	22.0	16.0	11.0	6.1	23.0	16.0	10.0	5.4
BTAS-421 S-V	2-5/8 ODF	A4F-D Filter Drier	23.0	17.0	11.0	6.3	24.0	16.0	10.0	5.6
BTAS-517 S-V	2-1/8 ODF	A5F-D Filter Drier	27.0	19.0	13.0	7.2	28.0	19.0	12.0	6.4
BTAS-521 S-V	2-5/8 ODF	A5F-D Filter Drier	32.0	23.0	15.0	8.8	33.0	23.0	14.0	7.8
BTAS-525 S-V	3-1/8 ODF	A5F-D Filter Drier	38.0	27.0	18.0	10.0	39.0	27.0	17.0	9.2
STAS-489 S-V	1-1/8 ODF	(1) F-48 Filter	13.0	8.0	5.0	2.0	13.0	8.0	5.0	2.0
STAS-4811 S-V	1-3/8 ODF	(1) F-48 Filter	15.0	10.0	6.0	3.0	15.0	10.0	6.0	3.0
STAS-4813 S-V	1-5/8 ODF	(1) F-48 Filter	19.0	12.0	7.0	5.0	20.0	12.0	7.0	4.0
STAS-4817 S-V	2-1/8 ODF	(1) F-48 Filter	24.0	15.0	11.0	6.0	25.0	15.0	10.0	5.0
STAS-4821 S-V	2-5/8 ODF	(1) F-48 Filter	29.0	20.0	14.0	7.0	30.0	20.0	13.0	6.0
STAS-9617 S-V	2-1/8 ODF	(2) F-48 Filter	27.0	18.0	11.0	6.0	28.0	18.0	10.0	5.0
STAS-9621 S-V	2-5/8 ODF	(2) F-48 Filter	37.0	25.0	16.0	8.0	38.0	25.0	15.0	7.0
STAS-9625 S-V	3-1/8 ODF	(2) F-48 Filter	65.0	52.0	38.0	21.0	79.0	61.0	43.0	20.0
STAS-489 S-V	1-1/8 ODF	(1) 48 cu in Core	8.0	6.0	4.0	1.0	8.0	6.0	4.0	1.0
STAS-4811 S-V	1-3/8 ODF	(1) 48 cu in Core	10.0	7.0	4.0	2.0	10.0	7.0	4.0	2.0
STAS-4813 S-V	1-5/8 ODF	(1) 48 cu in Core	13.0	8.0	5.0	3.0	13.0	8.0	5.0	3.0
STAS-4817 S-V	2-1/8 ODF	(1) 48 cu in Core	17.0	10.0	7.0	5.0	17.0	10.0	7.0	4.0
STAS-4821 S-V	2-5/8 ODF	(1) 48 cu in Core	19.0	13.0	8.0	5.0	20.0	13.0	8.0	4.0
STAS-9617 S-V	2-1/8 ODF	(2) 48 cu in Core	18.0	12.0	6.0	5.0	18.0	12.0	6.0	4.0
STAS-9621 S-V	2-5/8 ODF	(2) 48 cu in Core	24.0	17.0	11.0	6.0	25.0	17.0	10.0	5.0
STAS-9625 S-V	3-1/8 ODF	(2) 48 cu in Core	24.0	19.0	14.0	7.4	29.0	23.0	16.0	7.0

¹ All ratings in accordance with ARI Standard 730-04.

² Example: 1.0 tons x 3.5 = 3.5 kW

System Protector Capacity Tables

Take-Apart Suction Line Filter Drier Flow Capacities

Description	Connections	Filter Drier Cartridge	Flow Capacity In Tons Refrigerant ¹ (For kW, Multiply Tons By 3.5) ²														
			R-22 /R-448A/R-449A					R-407C					R-410A				
			Evaporator Temperature (°F)														
			40	20	0	-20	-40	40	20	0	-20	-40	40	20	0	-20	-40
			Pressure Drop (PSI)														
3	2	1.5	1	0.5	3	2	1.5	1	0.5	3	2	1.5	1	0.5			
ADKS 30013T	1-5/8 ODF	(3) F-100 Filter	45.0	30.0	20.0	13.0	7.0	41.7	27.3	17.7	11.3	5.8	-	-	-	-	-
ADKS 30017T	2-1/8 ODF	(3) F-100 Filter	77.0	50.0	35.0	22.0	12.0	71.4	45.5	31.0	19.2	10.0	-	-	-	-	-
ADKS 40017T	2-1/8 ODF	(4) F-100 Filter	80.0	53.0	37.0	23.0	13.0	74.2	48.2	32.8	20.0	10.8	-	-	-	-	-
ADKS 40021T	2-5/8 ODF	(4) F-100 Filter	122.0	80.0	55.0	34.0	19.0	113.1	72.7	48.7	29.6	15.8	-	-	-	-	-
ADKS 30013T	1-5/8 ODF	(3) 100 cu in Core	35.0	23.0	16.0	10.0	5.5	32.4	20.9	14.2	8.7	4.6	-	-	-	-	-
ADKS 30017T	2-1/8 ODF	(3) 100 cu in Core	56.0	37.0	25.0	16.0	8.8	51.9	33.6	22.1	13.9	7.3	-	-	-	-	-
ADKS 40017T	2-1/8 ODF	(4) 100 cu in Core	61.0	40.0	27.0	17.0	9.5	56.5	36.4	23.9	14.8	7.9	-	-	-	-	-
ADKS 40021T	2-5/8 ODF	(4) 100 cu in Core	88.0	58.0	40.0	25.0	14.0	81.6	52.7	35.4	21.8	11.6	-	-	-	-	-
BTAS-27 S-V	7/8 ODF	A2F Filter	8.8	5.7	3.9	2.5	1.3	8.2	5.2	3.5	2.2	1.1	-	-	-	-	-
BTAS-39 S-V	1-1/8 ODF	A3F Filter	14.0	8.8	5.9	3.7	2.0	13.0	8.0	5.2	3.2	1.7	-	-	-	-	-
BTAS-311 S-V	1-3/8 ODF	A3F Filter	15.0	10.0	6.6	4.1	2.2	13.9	9.1	5.8	3.6	1.8	-	-	-	-	-
BTAS-313 S-V	1-5/8 ODF	A3F Filter	24.0	16.0	11.0	6.6	3.5	22.2	14.5	9.7	5.8	2.9	-	-	-	-	-
BTAS-317 S-V	2-1/8 ODF	A3F Filter	29.0	19.0	13.0	8.1	4.3	26.9	17.3	11.5	7.1	3.6	-	-	-	-	-
BTAS-411 S-V	1-3/8 ODF	A4F Filter	31.0	20.0	14.0	8.7	4.6	28.7	18.2	12.4	7.6	3.8	-	-	-	-	-
BTAS-413 S-V	1-5/8 ODF	A4F Filter	38.0	25.0	17.0	11.0	5.7	35.2	22.7	15.1	9.6	4.7	-	-	-	-	-
BTAS-417 S-V	2-1/8 ODF	A4F Filter	53.0	34.0	23.0	15.0	7.8	49.1	30.9	20.4	13.1	6.5	-	-	-	-	-
BTAS-421 S-V	2-5/8 ODF	A4F Filter	64.0	42.0	29.0	18.0	10.0	59.3	38.2	25.7	15.7	8.3	-	-	-	-	-
BTAS-517 S-V	2-1/8 ODF	A5F Filter	63.0	41.0	28.0	18.0	9.4	58.4	37.3	24.8	15.7	7.8	-	-	-	-	-
BTAS-521 S-V	2-5/8 ODF	A5F Filter	84.0	54.0	37.0	23.0	12.0	77.9	49.1	32.8	20.0	10.0	-	-	-	-	-
BTAS-525 S-V	3-1/8 ODF	A5F Filter	103.0	67.0	46.0	29.0	15.0	95.5	60.9	40.7	25.3	12.5	-	-	-	-	-
BTAS-25 S-V	5/8 ODF	A2F-D Filter Drier	4.6	3.0	2.0	1.3	0.7	4.3	2.7	1.8	1.1	0.6	-	-	-	-	-
BTAS-27 S-V	7/8 ODF	A2F-D Filter Drier	7.5	4.9	3.3	2.1	1.1	7.0	4.5	2.9	1.8	0.9	-	-	-	-	-
BTAS-39 S-V	1-1/8 ODF	A3F-D Filter Drier	10.0	6.3	4.3	2.7	1.4	9.3	5.7	3.8	2.4	1.2	-	-	-	-	-
BTAS-311 S-V	1-3/8 ODF	A3F-D Filter Drier	14.0	8.9	6.0	3.8	2.0	13.0	8.1	5.3	3.3	1.7	-	-	-	-	-
BTAS-313 S-V	1-5/8 ODF	A3F-D Filter Drier	20.0	13.0	8.6	5.4	2.9	18.5	11.8	7.6	4.7	2.4	-	-	-	-	-
BTAS-317 S-V	2-1/8 ODF	A3F-D Filter Drier	23.0	15.0	10.0	6.3	3.4	21.3	13.6	8.9	5.5	2.8	-	-	-	-	-
BTAS-411 S-V	1-3/8 ODF	A4F-D Filter Drier	28.0	18.0	13.0	7.8	4.2	26.0	16.4	11.5	6.8	3.5	-	-	-	-	-
BTAS-413 S-V	1-5/8 ODF	A4F-D Filter Drier	29.0	19.0	13.0	8.1	4.3	26.9	17.3	11.5	7.1	3.6	-	-	-	-	-
BTAS-417 S-V	2-1/8 ODF	A4F-D Filter Drier	43.0	28.0	19.0	12.0	6.3	39.9	25.5	16.8	10.5	5.2	-	-	-	-	-
BTAS-421 S-V	2-5/8 ODF	A4F-D Filter Drier	44.0	29.0	19.0	12.0	6.5	40.8	26.4	16.8	10.5	5.4	-	-	-	-	-
BTAS-517 S-V	2-1/8 ODF	A5F-D Filter Drier	51.0	33.0	22.0	14.0	7.5	47.3	30.0	19.5	12.2	6.2	-	-	-	-	-
BTAS-521 S-V	2-5/8 ODF	A5F-D Filter Drier	61.0	40.0	27.0	17.0	9.0	56.5	36.4	23.9	14.8	7.5	-	-	-	-	-
BTAS-525 S-V	3-1/8 ODF	A5F-D Filter Drier	72.0	47.0	32.0	20.0	11.0	66.7	42.7	28.3	17.4	9.2	-	-	-	-	-
STAS-489 S-V	1-1/8 ODF	(1) F-48 Filter	22.0	14.0	10.0	6.0	2.0	20.0	13.0	9.0	5.0	2.0	27.0	17.0	12.0	7.4	2.5
STAS-4811 S-V	1-3/8 ODF	(1) F-48 Filter	28.0	17.0	12.0	7.0	3.0	26.0	15.0	11.0	6.0	2.0	34.0	21.0	15.0	8.6	3.7
STAS-4813 S-V	1-5/8 ODF	(1) F-48 Filter	35.0	20.0	15.0	8.0	4.0	32.0	18.0	13.0	7.0	3.0	43.0	24.0	18.0	9.8	4.9
STAS-4817 S-V	2-1/8 ODF	(1) F-48 Filter	47.0	30.0	20.0	10.0	5.0	44.0	27.0	18.0	9.0	4.0	57.0	36.0	24.0	12.0	6.2
STAS-4821 S-V	2-5/8 ODF	(1) F-48 Filter	60.0	40.0	25.0	15.0	7.0	56.0	36.0	22.0	13.0	6.0	73.0	48.0	30.0	18.0	8.6
STAS-9617 S-V	2-1/8 ODF	(2) F-48 Filter	50.0	30.0	20.0	12.0	6.0	46.0	27.0	18.0	10.0	5.0	61.0	36.0	24.0	15.0	7.4
STAS-9621 S-V	2-5/8 ODF	(2) F-48 Filter	70.0	43.0	28.0	17.0	8.0	65.0	39.0	25.0	15.0	7.0	85.0	52.0	34.0	21.0	9.9
STAS-9625 S-V	3-1/8 ODF	(2) F-48 Filter	101.0	62.0	41.0	25.0	11.0	94.0	55.0	36.0	21.0	10.0	113.0	70.0	46.0	28.0	14.0
STAS-489 S-V	1-1/8 ODF	(1) 48 cu in Core	15.0	9.0	7.0	4.0	1.0	14.0	8.0	6.0	3.0	1.0	18.0	11.0	8.5	4.9	1.2
STAS-4811 S-V	1-3/8 ODF	(1) 48 cu in Core	18.0	11.0	8.0	5.0	2.0	17.0	10.0	7.0	4.0	2.0	22.0	13.0	9.7	6.1	2.5
STAS-4813 S-V	1-5/8 ODF	(1) 48 cu in Core	23.0	13.0	10.0	6.0	3.0	21.0	12.0	9.0	5.0	2.0	28.0	16.0	12.0	7.4	3.7
STAS-4817 S-V	2-1/8 ODF	(1) 48 cu in Core	31.0	20.0	13.0	7.0	3.0	29.0	18.0	12.0	6.0	2.0	38.0	24.0	16.0	8.6	3.7
STAS-4821 S-V	2-5/8 ODF	(1) 48 cu in Core	40.0	27.0	17.0	10.0	5.0	37.0	25.0	15.0	9.0	4.0	49.0	33.0	21.0	12.0	6.2
STAS-9617 S-V	2-1/8 ODF	(2) 48 cu in Core	33.0	20.0	13.0	8.0	4.0	31.0	18.0	12.0	7.0	3.0	40.0	24.0	16.0	9.8	4.9
STAS-9621 S-V	2-5/8 ODF	(2) 48 cu in Core	47.0	28.0	18.0	11.0	6.0	44.0	25.0	16.0	10.0	5.0	57.0	34.0	22.0	14.0	7.4
STAS-9625 S-V	3-1/8 ODF	(2) 48 cu in Core	38.0	30.0	24.0	17.0	7.6	35.0	27.0	24.0	15.0	6.0	43.0	35.0	28.0	20.0	11.0

¹ All ratings in accordance with ARI Standard 730-04.

² Example: 1.0 tons x 3.5 = 3.5 kW

System Protector Capacity Tables

Take-Apart Suction Line Filter Drier Flow Capacities

Description	Connections	Filter Drier Cartridge	Flow Capacity In Tons Refrigerant ¹ (For kW, Multiply Tons By 3.5) ²									
			R-502					R-404A/R-507				
			Evaporator Temperature (°F)									
			40	20	0	-20	-40	40	20	0	-20	-40
			Pressure Drop (PSI)									
3	2	1.5	1	0.5	3	2	1.5	1	0.5			
ADKS 30013T	1-5/8 ODF	(3) F-100 Filter	38.0	24.0	16.0	9.9	5.2	37.0	24.0	16.0	10.0	5.5
ADKS 30017T	2-1/8 ODF	(3) F-100 Filter	64.0	40.0	27.0	17.0	8.9	62.0	40.0	27.0	18.0	9.4
ADKS 40017T	2-1/8 ODF	(4) F-100 Filter	68.0	43.0	28.0	17.0	9.2	66.0	43.0	29.0	18.0	9.8
ADKS 40021T	2-5/8 ODF	(4) F-100 Filter	102.0	64.0	43.0	27.0	14.0	99.0	64.0	43.0	28.0	15.0
ADKS 30013T	1-5/8 ODF	(3) 100 cu in Core	30.0	19.0	12.0	7.7	4.1	29.0	19.0	13.0	8.0	4.3
ADKS 30017T	2-1/8 ODF	(3) 100 cu in Core	47.0	30.0	20.0	12.0	6.4	46.0	30.0	20.0	13.0	6.8
ADKS 40017T	2-1/8 ODF	(4) 100 cu in Core	51.0	32.0	22.0	13.0	7.0	49.0	32.0	22.0	14.0	7.4
ADKS 40021T	2-5/8 ODF	(4) 100 cu in Core	74.0	47.0	31.0	19.0	10.0	72.0	47.0	32.0	20.0	11.0
BTAS-27 S-V	7/8 ODF	A2F Filter	7.4	4.6	3.1	1.8	0.9	7.2	4.6	3.1	1.9	1.0
BTAS-39 S-V	1-1/8 ODF	A3F Filter	11.0	7.0	4.7	2.8	1.4	11.0	7.0	4.7	2.9	1.5
BTAS-311 S-V	1-3/8 ODF	A3F Filter	12.0	7.8	5.2	3.1	1.6	12.0	7.8	5.2	3.2	1.7
BTAS-313 S-V	1-5/8 ODF	A3F Filter	20.0	12.0	8.2	5.0	2.5	19.0	12.0	8.3	5.2	2.7
BTAS-317 S-V	2-1/8 ODF	A3F Filter	25.0	15.0	10.0	6.1	3.1	24.0	15.0	10.0	6.3	3.3
BTAS-411 S-V	1-3/8 ODF	A4F Filter	27.0	16.0	11.0	6.6	3.4	26.0	16.0	11.0	6.8	3.6
BTAS-413 S-V	1-5/8 ODF	A4F Filter	32.0	20.0	13.0	8.1	4.1	31.0	20.0	14.0	8.4	4.4
BTAS-417 S-V	2-1/8 ODF	A4F Filter	44.0	28.0	18.0	11.0	5.7	43.0	28.0	19.0	12.0	6.0
BTAS-421 S-V	2-5/8 ODF	A4F Filter	54.0	34.0	23.0	14.0	6.9	52.0	34.0	23.0	14.0	7.3
BTAS-517 S-V	2-1/8 ODF	A5F Filter	54.0	33.0	22.0	13.0	6.8	52.0	33.0	22.0	14.0	7.2
BTAS-521 S-V	2-5/8 ODF	A5F Filter	70.0	44.0	29.0	18.0	9.0	68.0	44.0	29.0	18.0	9.6
BTAS-525 S-V	3-1/8 ODF	A5F Filter	87.0	54.0	36.0	22.0	11.0	84.0	54.0	36.0	23.0	12.0
BTAS-25 S-V	5/8 ODF	A2F-D Filter Drier	3.9	2.4	1.6	1.0	0.5	3.8	2.4	1.6	1.0	0.5
BTAS-27 S-V	7/8 ODF	A2F-D Filter Drier	6.3	3.9	2.6	1.5	0.8	6.1	3.9	2.6	1.6	0.9
BTAS-39 S-V	1-1/8 ODF	A3F-D Filter Drier	8.1	5.1	3.4	2.0	1.0	7.9	5.1	3.4	2.1	1.1
BTAS-311 S-V	1-3/8 ODF	A3F-D Filter Drier	11.0	7.1	4.8	2.9	1.5	11.0	7.1	4.8	3.0	1.6
BTAS-313 S-V	1-5/8 ODF	A3F-D Filter Drier	16.0	10.0	6.7	4.1	2.1	16.0	10.0	6.8	4.2	2.2
BTAS-317 S-V	2-1/8 ODF	A3F-D Filter Drier	19.0	12.0	7.9	4.8	2.4	19.0	12.0	8.0	5.0	2.6
BTAS-411 S-V	1-3/8 ODF	A4F-D Filter Drier	24.0	15.0	10.0	5.9	3.0	23.0	15.0	10.0	6.1	3.2
BTAS-413 S-V	1-5/8 ODF	A4F-D Filter Drier	25.0	15.0	10.0	6.1	3.1	24.0	15.0	10.0	6.3	3.3
BTAS-417 S-V	2-1/8 ODF	A4F-D Filter Drier	36.0	22.0	15.0	9.0	4.6	35.0	22.0	15.0	9.3	4.9
BTAS-421 S-V	2-5/8 ODF	A4F-D Filter Drier	37.0	23.0	15.0	9.2	4.7	36.0	23.0	15.0	10.0	5.0
BTAS-517 S-V	2-1/8 ODF	A5F-D Filter Drier	42.0	27.0	18.0	11.0	4.7	41.0	27.0	18.0	11.0	5.0
BTAS-521 S-V	2-5/8 ODF	A5F-D Filter Drier	52.0	32.0	22.0	13.0	6.6	50.0	32.0	22.0	13.0	7.0
BTAS-525 S-V	3-1/8 ODF	A5F-D Filter Drier	61.0	38.0	25.0	15.0	7.8	59.0	38.0	25.0	16.0	8.3
STAS-489 S-V	1-1/8 ODF	(1) F-48 Filter	21.0	12.0	8.0	5.0	3.0	20.0	12.0	8.0	5.0	3.0
STAS-4811 S-V	1-3/8 ODF	(1) F-48 Filter	15.0	15.0	10.0	6.0	4.0	15.0	15.0	10.0	6.0	4.0
STAS-4813 S-V	1-5/8 ODF	(1) F-48 Filter	31.0	18.0	11.0	7.0	5.0	30.0	18.0	11.0	7.0	5.0
STAS-4817 S-V	2-1/8 ODF	(1) F-48 Filter	41.0	25.0	15.0	9.0	7.0	40.0	25.0	15.0	9.0	7.0
STAS-4821 S-V	2-5/8 ODF	(1) F-48 Filter	57.0	30.0	20.0	12.0	8.0	55.0	30.0	20.0	12.0	8.0
STAS-9617 S-V	2-1/8 ODF	(2) F-48 Filter	41.0	25.0	15.0	10.0	7.0	40.0	25.0	15.0	10.0	7.0
STAS-9621 S-V	2-5/8 ODF	(2) F-48 Filter	62.0	35.0	25.0	14.0	9.0	60.0	35.0	25.0	15.0	10.0
STAS-9625 S-V	3-1/8 ODF	(2) F-48 Filter	73.0	59.0	47.0	34.0	19.0	80.0	63.0	50.0	35.0	18.0
STAS-489 S-V	1-1/8 ODF	(1) 48 cu in Core	13.0	8.0	6.0	4.0	2.0	13.0	8.0	6.0	4.0	2.0
STAS-4811 S-V	1-3/8 ODF	(1) 48 cu in Core	18.0	10.0	6.0	4.0	3.0	17.0	10.0	6.0	4.0	3.0
STAS-4813 S-V	1-5/8 ODF	(1) 48 cu in Core	21.0	12.0	7.0	5.0	4.0	20.0	12.0	7.0	5.0	4.0
STAS-4817 S-V	2-1/8 ODF	(1) 48 cu in Core	28.0	17.0	10.0	6.0	5.0	27.0	17.0	10.0	6.0	5.0
STAS-4821 S-V	2-5/8 ODF	(1) 48 cu in Core	38.0	20.0	13.0	8.0	6.0	37.0	20.0	13.0	8.0	6.0
STAS-9617 S-V	2-1/8 ODF	(2) 48 cu in Core	28.0	17.0	11.0	7.0	5.0	27.0	17.0	11.0	7.0	5.0
STAS-9621 S-V	2-5/8 ODF	(2) 48 cu in Core	41.0	23.0	17.0	10.0	7.0	40.0	23.0	17.0	10.0	7.0
STAS-9625 S-V	3-1/8 ODF	(2) 48 cu in Core	27.0	22.0	18.0	13.0	6.7	30.0	24.0	18.0	13.0	6.5

¹ All ratings in accordance with ARI Standard 730-04.

² Example: 1.0 tons x 3.5 = 3.5 kW

A-AS Suction Accumulator Capacity Tables in Tons of Refrigeration

Description	Connections	Flow Capacity In Tons Refrigerant ¹ (For kW, Multiply Tons By 3.5) ²														
		Evaporator Temperature (°F)														
		R-134a/R-450A/R-513A					R-404A/R-507					R-22/R-448/R-449A				
		40	20	0	-20	-40	40	20	0	-20	-40	40	20	0	-20	-40
A-AS 3 84	1/2	1.2	0.8	0.6	0.3	0.2	1.3	1.0	0.8	0.4	0.2	2.0	1.4	0.9	0.6	0.4
A-AS 3 105	5/8	1.7	1.2	0.8	0.5	0.3	2.0	1.6	1.2	0.6	0.4	3.0	2.1	1.4	0.8	0.5
A-AS 3 125	5/8	1.7	1.2	0.8	0.5	0.3	2.0	1.6	1.2	0.6	0.4	3.0	2.1	1.4	0.8	0.5
A-AS 3 126	3/4	2.3	1.6	1.0	0.6	0.4	2.6	2.0	1.5	0.7	0.4	4.0	2.8	1.8	1.1	0.7
A-AS 3145	5/8	1.7	1.2	0.8	0.5	0.3	2.0	1.6	1.2	0.6	0.4	3.0	2.1	1.4	0.8	0.5
A-AS 3146	3/4	2.3	1.6	1.0	0.6	0.4	2.6	2.0	1.5	0.7	0.4	4.0	2.8	1.8	1.1	0.7
A-AS 4 64	1/2	1.2	0.8	0.6	0.3	0.2	1.3	1.0	0.8	0.4	0.2	2.0	1.4	0.9	0.6	0.4
A-AS 4 65	5/8	1.7	1.2	0.8	0.5	0.3	2.0	1.6	1.2	0.6	0.4	3.0	2.1	1.4	0.8	0.5
A-AS 4105	5/8	1.7	1.2	0.8	0.5	0.3	2.0	1.6	1.2	0.6	0.4	3.0	2.1	1.4	0.8	0.5
A-AS 4106	3/4	2.3	1.6	1.0	0.6	0.4	2.6	2.0	1.5	0.7	0.4	4.0	2.8	1.8	1.1	0.7
A-AS 5 96	3/4	2.3	1.6	1.0	0.6	0.4	2.6	2.0	1.5	0.7	0.4	4.0	2.8	1.8	1.1	0.7
A-AS 5 97	7/8	4.0	2.8	1.8	1.1	0.7	4.6	3.6	2.7	1.3	0.8	7.3	5.1	3.3	2.0	1.3
A-AS 5126	3/4	2.3	1.6	1.0	0.6	0.4	2.6	2.0	1.5	0.7	0.4	4.0	2.8	1.8	1.4	0.7
A-AS 5 127	7/8	4.0	2.8	1.8	1.1	0.7	4.6	3.6	2.7	1.3	0.8	7.3	5.1	3.3	2.0	1.3
A-AS 5 137	7/8	4.0	2.8	1.8	1.1	0.7	4.6	3.6	2.7	1.3	0.8	7.3	5.1	3.3	2.0	1.3
A-AS 5 139	1%	7.2	5.0	3.1	2.0	1.3	7.6	5.9	4.4	2.1	1.4	11.8	8.3	5.3	3.3	2.1
A-AS 5 179	1%	7.2	5.0	3.1	3.0	1.9	7.6	5.9	4.4	2.1	1.4	11.8	8.3	5.3	3.3	2.1
A-AS 5 1711	1%	10.7	7.3	4.6	3.0	1.9	12.2	9.6	7.2	3.4	2.2	18.8	13.2	8.5	5.3	3.4
A-AS 6 117	7/8	4.0	2.8	1.8	1.1	0.7	4.6	3.6	2.7	1.3	0.8	7.3	5.1	3.3	2.0	1.3
A-AS 6 137	7/8	4.0	2.8	1.8	1.1	0.7	4.6	3.6	2.7	1.3	0.8	7.3	5.1	3.3	52.0	1.3
A-AS 6 139	1%	7.2	5.0	3.1	2.0	1.3	7.6	5.9	4.4	2.1	1.4	11.8	8.3	5.3	3.3	2.1
A-AS 6 1411	1%	10.7	7.3	4.6	3.0	1.9	12.2	9.6	7.0	3.4	2.2	18.8	13.2	8.5	5.3	3.4
A-AS 6 1713	1%	17.0	11.7	7.3	4.8	3.0	18.2	14.2	10.7	5.1	3.3	28.5	20.0	12.8	8.0	5.1
A-AS 6 2013	1%	17.0	11.7	7.3	4.8	3.0	18.2	14.2	10.7	5.1	3.3	28.5	20.0	12.8	8.0	5.1
A-AS 6 2513	1%	17.0	11.7	7.3	4.8	3.0	18.2	14.2	10.7	5.1	3.3	28.5	20.0	12.8		

Description	Connections	R-502					R-410A				
		40	20	0	-20	-40	40	20	0	-20	-40
A-AS 3 84	1/2	1.8	1.3	0.8	0.5	0.3	2.4	1.7	1.1	0.7	0.5
A-AS 3 105	5/8	2.7	1.9	1.2	0.8	0.5	3.7	2.6	1.7	0.9	0.6
A-AS 3 125	5/8	2.7	1.9	1.2	0.8	0.5	3.7	2.6	1.7	0.9	0.6
A-AS 3 126	3/4	3.5	2.5	1.6	1.0	0.6	4.9	3.4	2.2	1.3	0.9
A-AS 3145	5/8	2.7	1.9	1.2	0.8	0.6	3.7	2.6	1.7	0.9	0.6
A-AS 3146	3/4	3.5	2.5	1.6	1.0	0.6	4.9	3.4	2.2	1.3	0.9
A-AS 4 64	1/2	1.8	1.3	0.8	0.5	0.3	2.4	1.7	1.1	0.7	0.5
A-AS 4 65	5/8	2.7	1.9	1.2	0.8	0.5	3.7	2.6	1.7	0.9	0.6
A-AS 4105	5/8	2.7	1.9	1.2	0.8	0.5	3.7	2.6	1.7	0.9	0.6
A-AS 4106	3/4	3.5	2.5	1.6	1.0	0.6	4.9	3.4	2.2	1.3	0.9
A-AS 5 96	3/4	3.5	2.5	1.6	1.0	0.6	4.9	3.4	2.2	1.3	0.9
A-AS 5 97	7/8	6.2	4.3	2.8	1.7	1.1	8.9	6.3	4.1	2.4	1.6
A-AS 5126	3/4	3.5	2.5	1.6	1.0	0.6	4.9	3.4	2.2	1.3	0.9
A-AS 5 127	7/8	6.2	4.3	2.8	1.7	1.1	8.9	6.3	4.1	2.4	1.6
A-AS 5 137	7/8	6.2	4.3	2.8	1.7	1.1	8.9	6.3	4.1	2.4	1.6
A-AS 5 139	1%	10.2	7.1	4.6	2.9	1.9	14.5	10.2	6.5	3.9	2.6
A-AS 5 179	1%	10.2	7.1	4.6	2.9	1.9	14.5	10.2	6.5	3.9	2.6
A-AS 5 1711	1%	16.5	11.6	7.4	4.6	3.0	23.0	16.2	10.4	6.3	4.2
A-AS 6 117	7/8	6.2	4.3	2.8	1.7	1.1	8.9	6.3	4.1	2.4	1.6
A-AS 6 137	7/8	6.2	4.3	2.8	1.7	1.1	8.9	6.3	4.1	2.4	1.6
A-AS 6 139	1%	10.2	7.1	4.6	2.9	1.9	14.5	10.2	6.5	3.9	2.6
A-AS 6 1411	1%	16.5	11.6	7.4	4.6	3.0	23.0	16.2	10.4	6.3	4.2
A-AS 6 1713	1%	24.5	17.2	11.0	6.9	4.4	34.9	24.5	15.7	9.5	6.3
A-AS 6 2013	1%	24.5	17.2	11.0	6.9	4.4	34.9	24.5	15.7	9.5	6.3
A-AS 6 2513	1%	24.5	17.2	11.0	6.9	4.4	34.9	25.5	15.7	9.5	6.3

The maximum capacity in tons recommended is based on a pressure drop through the accumulator equivalent to 1.0°F.

Note:

- 1) The minimum system capacity in tons must be no less than 15% of the stated capacity in order to ensure a positive return of oil.
- 2) All of the data is based on tons of refrigeration and is not related to horsepower.
- 3) Minimum evaporator temperature of -40°F. Minimum temperature of the suction gas through the accumulator is 12°F.