

CPVS

Technical Data				
Compressor Drive Motor	Nameplate hp	20		
Inlet Capacity	acfm	96	89	80
Minimum Capacity	acfm	23	22	21
Full Load Operating Pressure	psig	80	109	138
Max. Operating Pressure	psig	87	116	145
Min. Operating Pressure	psig	60		
Max. Ambient Operating Temp.	°F	104		
Min. Ambient Operating Temp.	°F	36		
Service Line Connection	" NPT	1"		
Max. Male Rotor Speed	rpm	3288	3069	2795
Motor Efficiency	%	90.2%		

Aftercooling Data				
Heat Rejection	btu/hr	51213	52801	53198
Approach to Cooling Air	°F	18		
Fan Motor	nameplate hp	n/a		
Fan Motor Efficiency	%	n/a		
Max. Fan Motor Speed	rpm	n/a		
Max. Fan Flow	cfm	1059		

Compressor Fluid Data				
Reservoir Fluid Capacity	gal (l)	2.64 (10)		
Total Fluid Capacity	gal (l)	7.4 (28)		
Typical Fluid Carryover	ppm	3		

Electrical Data				
Max Starting Current at 460V	A	23		
Full Load Current at 460V	A	23		
Fuse Rating	A	30		
Min. Cable Size	AWG	12		

Sound Data (at 1 meter)				
Standard Enclosure	dB(A)	64		

Energy Consumption				
FL Drive Motor Max. Consumption	kW	18.1	18.6	18.8
FL Fan Motor Consumption	kW	n/a		
Total Package Max. Consumption	kW	18.1	18.6	18.8
Total Package Specific Power	kW/100 cfm	18.8	20.9	23.6

Dimensions				
Length	in (mm)	47 (1204)		
Width	in (mm)	31.7 (805)		
Height	in (mm)	48 (1220)		
Approx. Weight	lbs (kg)	867 (394)		

CPVS

Technical Data				
Compressor Drive Motor	Nameplate hp	25		
Inlet Capacity	acfm	121	112	100
Minimum Capacity	acfm	30	30	29
Full Load Operating Pressure	psig	80	109	138
Max. Operating Pressure	psig	87	116	145
Min. Operating Pressure	psig	60		
Max. Ambient Operating Temp.	°F	104		
Min. Ambient Operating Temp.	°F	36		
Service Line Connection	" NPT	1"		
Max. Male Rotor Speed	rpm	5186	4840	4408
Motor Efficiency	%	91.0%		

Aftercooling Data				
Heat Rejection	btu/hr	65505	67093	66696
Approach to Cooling Air	°F	18		
Fan Motor	nameplate hp	n/a		
Fan Motor Efficiency	%	n/a		
Max. Fan Motor Speed	rpm	n/a		
Max. Fan Flow	cfm	1059		

Compressor Fluid Data				
Reservoir Fluid Capacity	gal (l)	2.64 (10)		
Total Fluid Capacity	gal (l)	7.4 (28)		
Typical Fluid Carryover	ppm	3		

Electrical Data				
Max Starting Current at 460V	A	28		
Full Load Current at 460V	A	28		
Fuse Rating	A	40		
Min. Cable Size	AWG	8		

Sound Data (at 1 meter)				
Standard Enclosure	dB(A)	67		

Energy Consumption				
FL Drive Motor Max. Consumption	kW	22.9	22.7	23.4
FL Fan Motor Consumption	kW	n/a		
Total Package Max. Consumption	kW	22.9	22.7	23.4
Total Package Specific Power	kW/100 cfm	19.0	20.3	23.4

Dimensions				
Length	in (mm)	47 (1204)		
Width	in (mm)	31.7 (805)		
Height	in (mm)	48 (1220)		
Approx. Weight	lbs (kg)	887 (403)		

CPVS

Technical Data				
Compressor Drive Motor	Nameplate hp	30		
Inlet Capacity	acfm	136	130	118
Minimum Capacity	acfm	35	35	34
Full Load Operating Pressure	psig	80	109	138
Max. Operating Pressure	psig	87	116	145
Min. Operating Pressure	psig	60		
Max. Ambient Operating Temp.	°F	104		
Min. Ambient Operating Temp.	°F	36		
Service Line Connection	" NPT	1"		
Max. Male Rotor Speed	rpm	5878	5682	5192
Motor Efficiency	%	91.0%		

Aftercooling Data				
Heat Rejection	btu/hr	76621	81385	80988
Approach to Cooling Air	°F	18		
Fan Motor	nameplate hp	n/a		
Fan Motor Efficiency	%	n/a		
Max. Fan Motor Speed	rpm	n/a		
Max. Fan Flow	cfm	1766		

Compressor Fluid Data				
Reservoir Fluid Capacity	gal (l)	2.9 (11)		
Total Fluid Capacity	gal (l)	7.4 (28)		
Typical Fluid Carryover	ppm	3		

Electrical Data				
Max Starting Current at 460V	A	35		
Full Load Current at 460V	A	35		
Fuse Rating	A	50		
Min. Cable Size	AWG	8		

Sound Data (at 1 meter)				
Standard Enclosure	dB(A)	69		

Energy Consumption				
FL Drive Motor Max. Consumption	kW	26.8	27.5	28.4
FL Fan Motor Consumption	kW	n/a		
Total Package Max. Consumption	kW	26.8	27.5	28.4
Total Package Specific Power	kW/100 cfm	19.7	21.1	24.1

Dimensions				
Length	in (mm)	47 (1204)		
Width	in (mm)	31.7 (805)		
Height	in (mm)	48 (1220)		
Approx. Weight	lbs (kg)	922 (419)		

CPVS

Technical Data				
Compressor Drive Motor	Nameplate hp	40		
Inlet Capacity	acfm	195	195	166
Minimum Capacity	acfm	47	52	55
Full Load Operating Pressure	psig	58	102	138
Max. Operating Pressure	psig	65	109	145
Min. Operating Pressure	psig	60		
Max. Ambient Operating Temp.	°F	104		
Min. Ambient Operating Temp.	°F	36		
Service Line Connection	" NPT	1 1/2"		
Max. Male Rotor Speed	rpm	2911	2911	2523
Motor Efficiency	%	91.7%		

Aftercooling Data				
Heat Rejection	btu/hr	85752	104808	104808
Approach to Cooling Air	°F	18		
Fan Motor	nameplate hp	1.1		
Fan Motor Efficiency	%	71%		
Fan Motor Speed	rpm	1680		
Fan Flow	cfm	2855		

Compressor Fluid Data				
Reservoir Fluid Capacity	gal (l)	5.81 (22)		
Total Fluid Capacity	gal (l)	10.83 (41)		
Typical Fluid Carryover	ppm	3		

Electrical Data				
Max Starting Current at 460V	A	69		
Full Load Current at 460V	A	69		
Fuse Rating	A	80		
Min. Cable Size	AWG	4		

Sound Data (at 1 meter)				
Standard Enclosure	dB(A)	65		

Energy Consumption				
FL Drive Motor Consumption	kW	29.8	36.4	36.4
FL Fan Motor Consumption	kW	1.15	1.15	1.15
Total Package Consumption	kW	30.9	37.5	37.5
Total Package Specific Power	kW/100 cfm	15.8	19.3	22.5

Dimensions				
Length	in (mm)	75.25 (1910)		
Width	in (mm)	37.43 (950)		
Height	in (mm)	69.34 (1760)		
Approx. Weight	lbs (kg)	1874 (850)		

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Technical Data				
Compressor Drive Motor	Nameplate hp	50		
Inlet Capacity	acfm	239	234	204
Minimum Capacity	acfm	47	52	55
Full Load Operating Pressure	psig	58	102	138
Max. Operating Pressure	psig	65	109	145
Min. Operating Pressure	psig	60		
Max. Ambient Operating Temp.	°F	104		
Min. Ambient Operating Temp.	°F	36		
Service Line Connection	" NPT	1 1/2"		
Male Rotor Speed	rpm	3552	3493	3078
Motor Efficiency	%	92.4%		

Aftercooling Data				
Heat Rejection	btu/hr	111160	130613	131010
Approach to Cooling Air	°F	18		
Fan Motor	nameplate hp	1.1		
Fan Motor Efficiency	%	71%		
Fan Motor Speed	rpm	1680		
Fan Flow	cfm	2855		

Compressor Fluid Data				
Reservoir Fluid Capacity	gal (l)	5.81 (22)		
Total Fluid Capacity	gal (l)	10.83 (41)		
Typical Fluid Carryover	ppm	66		

Electrical Data				
Max Starting Current at 460V	A	81		
Full Load Current at 460V	A	81		
Fuse Rating	°F	100		
Min. Cable Size	AWG	3		

Sound Data (at 1 meter)				
Standard Enclosure	dB(A)	66		

Energy Consumption				
FL Drive Motor Consumption	kW	38.3	45.0	45.2
FL Fan Motor Consumption	kW	1.15	1.15	1.15
Total Package Consumption	kW	39.4	46.1	46.3
Total Package Specific Power	kW/100 cfm	16.5	19.7	22.7

Dimensions				
Length	in (mm)	75.25 (1910)		
Width	in (mm)	37.43 (950)		
Height	in (mm)	69.34 (1760)		
Approx. Weight	lbs (kg)	1995 (905)		

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Technical Data				
Compressor Drive Motor	Nameplate hp	60		
Inlet Capacity	acfm	291	280	245
Minimum Capacity	acfm	49	55	60
Full Load Operating Pressure	psig	58	102	138
Max. Operating Pressure	psig	65	109	145
Min. Operating Pressure	psig	60		
Max. Ambient Operating Temp.	°F	104		
Min. Ambient Operating Temp.	°F	36		
Service Line Connection	" NPT	1 1/2"		
Male Rotor Speed	rpm	4337	4193	3687
Motor Efficiency	%	93.0%		

Aftercooling Data				
Heat Rejection	btu/hr	134900	139900	139800
Approach to Cooling Air	°F	18		
Fan Motor	nameplate hp	1.23		
Fan Motor Efficiency	%	85%		
Fan Motor Speed	rpm	1720		
Fan Flow	cfm	3914		

Compressor Fluid Data				
Reservoir Fluid Capacity	gal (l)	5.81 (22)		
Total Fluid Capacity	gal (l)	10.83 (41)		
Typical Fluid Carryover	ppm	3		

Electrical Data				
Max Starting Current at 460V	A	100		
Full Load Current at 460V	A	100		
Fuse Rating	A	125		
Min. Cable Size	AWG	1		

Sound Data (at 1 meter)				
Standard Enclosure	dB(A)	67		

Energy Consumption				
FL Drive Motor Consumption	kW	47.5	54.4	54.1
FL Fan Motor Consumption	kW	1.31	1.31	1.31
Total Package Consumption	kW	48.8	55.7	55.4
Total Package Specific Power	kW/100 cfm	16.8	19.9	22.6

Dimensions				
Length	in (mm)	75.25 (1910)		
Width	in (mm)	37.43 (950)		
Height	in (mm)	69.34 (1760)		
Approx. Weight	lbs (kg)	2227 (1010)		

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Technical Data				
Compressor Drive Motor	Nameplate hp	75		
Inlet Capacity	acfm	374	342	305
Minimum Capacity	acfm	83	88	100
Full Load Operating Pressure	psig	58	102	138
Max. Operating Pressure	psig	65	109	145
Min. Operating Pressure	psig	60		
Max. Ambient Operating Temp.	°F	104		
Min. Ambient Operating Temp.	°F	36		
Service Line Connection	" NPT	1 1/2"		
Male Rotor Speed	rpm	5606	5139	4594
Motor Efficiency	%	93.6%		

Aftercooling Data				
Heat Rejection	btu/hr	190957	199294	199294
Approach to Cooling Air	°F	18		
Fan Motor	nameplate hp	4		
Fan Motor Efficiency	%	85%		
Fan Motor Speed	rpm	1720		
Fan Flow	cfm	3914		

Compressor Fluid Data				
Reservoir Fluid Capacity	gal (l)	5.81 (22)		
Total Fluid Capacity	gal (l)	10.83 (41)		
Typical Fluid Carryover	ppm	3		

Electrical Data				
Max Starting Current at 460V	A	125		
Full Load Current at 460V	A	125		
Fuse Rating	A	150		
Min. Cable Size	AWG	1/0		

Sound Data (at 1 meter)				
Standard Enclosure	dB(A)	70		

Energy Consumption				
FL Drive Motor Consumption	kW	64.4	67.1	67.2
FL Fan Motor Consumption	kW	2.19	2.19	2.19
Total Package Consumption	kW	66.6	69.3	69.4
Total Package Specific Power	kW/100 cfm	17.8	20.2	22.8

Dimensions				
Length	in (mm)	75.25 (1910)		
Width	in (mm)	37.43 (950)		
Height	in (mm)	69.34 (1760)		
Approx. Weight	lbs (kg)	2227 (1010)		

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Technical Data				
Compressor Drive Motor	Nameplate hp	100		
Inlet Capacity	acfm	524	518	451
Minimum Capacity	acfm	85	90	96
Full Load Operating Pressure	psig	58	102	138
Max. Operating Pressure	psig	65	109	145
Min. Operating Pressure	psig	60		
Max. Ambient Operating Temp.	°F	104		
Min. Ambient Operating Temp.	°F	36		
Service Line Connection	" NPT	2"		
Male Rotor Speed	rpm	2966	2966	2601
Motor Efficiency	%	95.1%		

Aftercooling Data				
Heat Rejection	btu/hr	230657	273533	273136
Approach to Cooling Air	°F	18		
Fan Motor	nameplate hp	2.4		
Fan Motor Efficiency	%	76%		
Fan Motor Speed	rpm	930		
Fan Flow	cfm	7652		

Compressor Fluid Data		
Reservoir Fluid Capacity	gal (l)	6.6 (25)
Total Fluid Capacity	gal (l)	14.53 (55)
Typical Fluid Carryover	ppm	3

Electrical Data		
Max Starting Current at 460V	A	150
Full Load Current at 460V	A	150
Fuse Rating	A	175
Min. Cable Size	AWG	2/0

Sound Data (at 1 meter)		
Standard Enclosure	dB(A)	66

Energy Consumption				
FL Drive Motor Consumption	kW	78.5	91.6	91.5
FL Fan Motor Consumption	kW	2.4	2.4	2.4
Total Package Consumption	kW	80.9	94.0	93.9
Total Package Specific Power	kW/100 cfm	15.4	18.1	20.8

Dimensions		
Length	in (mm)	87.86 (2230)
Width	in (mm)	41.76 (1060)
Height	in (mm)	63.04 (1600)
Approx. Weight	lbs (kg)	3417 (1550)

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Technical Data				
Compressor Drive Motor	Nameplate hp	125		
Inlet Capacity	acfm	644	576	508
Minimum Capacity	acfm	96	126	157
Full Load Operating Pressure	psig	58	102	138
Max. Operating Pressure	psig	65	109	145
Min. Operating Pressure	psig	60		
Max. Ambient Operating Temp.	°F	104		
Min. Ambient Operating Temp.	°F	36		
Service Line Connection	" NPT	2"		
Male Rotor Speed	rpm	3630	3213	2856
Motor Efficiency	%	95.7%		

Aftercooling Data				
Heat Rejection	btu/hr	298147	307278	308072
Approach to Cooling Air	°F	18		
Fan Motor	nameplate hp	3		
Fan Motor Efficiency	%	83%		
Fan Motor Speed	rpm	1720		
Fan Flow	cfm	8829		

Compressor Fluid Data		
Reservoir Fluid Capacity	gal (l)	7.66 (29)
Total Fluid Capacity	gal (l)	22.19 (84)
Typical Fluid Carryover	ppm	3

Electrical Data		
Max Starting Current at 460V	A	180
Full Load Current at 460V	A	180
Fuse Rating	A	200
Min. Cable Size	AWG	3/0

Sound Data (at 1 meter)		
Standard Enclosure	dB(A)	71

Energy Consumption				
FL Drive Motor Consumption	kW	99.4	102.5	102.7
FL Fan Motor Consumption	kW	3.4	3.4	3.4
Total Package Consumption	kW	102.8	105.9	106.1
Total Package Specific Power	kW/100 cfm	16.0	18.4	20.9

Dimensions		
Length	in (mm)	87.86 (2230)
Width	in (mm)	41.76 (1060)
Height	in (mm)	63.04 (1600)
Approx. Weight	lbs (kg)	3649 (1655)



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Technical Data				
Compressor Drive Motor	Nameplate hp	150		
Inlet Capacity	acfm	688	673	600
Minimum Capacity	acfm	119	152	209
Full Load Operating Pressure	psig	58	102	138
Max. Operating Pressure	psig	65	109	145
Min. Operating Pressure	psig	60		
Max. Ambient Operating Temp.	°F	104		
Min. Ambient Operating Temp.	°F	36		
Service Line Connection	" NPT	2"		
Male Rotor Speed	rpm	3873	3808	3421
Motor Efficiency	%	95.0%		

Aftercooling Data				
Heat Rejection	btu/hr	325143	367622	367622
Approach to Cooling Air	°F	18		
Fan Motor	nameplate hp	3		
Fan Motor Efficiency	%	83%		
Fan Motor Speed	rpm	1720		
Fan Flow	cfm	8829		

Compressor Fluid Data				
Reservoir Fluid Capacity	gal (l)	9.25 (35)		
Total Fluid Capacity	gal (l)	22.19 (84)		
Typical Fluid Carryover	ppm	3		

Electrical Data				
Max Starting Current at 460V	A	201		
Full Load Current at 460V	A	201		
Fuse Rating	A	250		
Min. Cable Size	MCM	250		

Sound Data (at 1 meter)				
Standard Enclosure	dB(A)	75		

Energy Consumption				
FL Drive Motor Consumption	kW	108.2	122.4	122.4
FL Fan Motor Consumption	kW	3.4	3.4	3.4
Total Package Consumption	kW	111.6	125.8	125.8
Total Package Specific Power	kW/100 cfm	16.2	18.7	21.0

Dimensions				
Length	in (mm)	87.86 (2230)		
Width	in (mm)	41.76 (1060)		
Height	in (mm)	63.04 (1600)		
Approx. Weight	lbs (kg)	4101 (1860)		



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Technical Data				
Compressor Drive Motor	Nameplate hp	200		
Inlet Capacity	acfm	952	937	829
Minimum Capacity	acfm	160	180	208
Full Load Operating Pressure	psig	80	102	138
Max. Operating Pressure	psig	87	109	145
Min. Operating Pressure	psig	60		
Max. Ambient Operating Temp.	°F	104		
Min. Ambient Operating Temp.	°F	36		
Service Line Connection	" NPT	Flange or 3"		
Male Rotor Speed	rpm	3207	3176	2861
Motor Efficiency	%	95.5%		

Aftercooling Data				
Heat Rejection	btu/hr	447419	491883	514909
Approach to Cooling Air	°F	18		
Fan Motor	nameplate hp	2 x 4 hp		
Fan Motor Efficiency	%	88.9%		
Fan Motor Speed at ref conditions	rpm	1119		
Fan Flow	cfm	12949		

Reservoir Fluid Capacity	gal (l)	23.78 (90)		
Total Fluid Capacity	gal (l)	42.2 (160)		
Typical Fluid Carryover	ppm	4		

Max Starting Current at 460V	A	268		
Full Load Current at 460V	A	268		
Fuse Rating	A	300		
Min. Cable Size	MCM	350		

Standard Enclosure at ref cond	dB(A)	72		
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FL Drive Motor Consumption	kW	150.7	165.5	173.2
FL Fan Motor Consumption (ref cond)	kW	4.05	4.05	4.05
Total Package Consumption	kW	154.7	169.5	177.2
Total Package Specific Power	kW/100 cfm	16.2	18.1	21.4

Length	in (mm)	109.77 (2786)		
Width	in (mm)	58.71 (1490)		
Height	in (mm)	76.36 (1938)		
Approx. Weight	lbs (kg)	6614 (3000)		



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Technical Data				
Compressor Drive Motor	Nameplate hp	240		
Full load Inlet Capacity	acfm	1076	1071	951
Minimum Capacity	acfm	162	173	184
Full Load Operating Pressure	psig	87	102	138
Max. Operating Pressure	psig	94	109	145
Min. Operating Pressure	psig	60		
Max. Ambient Operating Temp.	°F	104		
Min. Ambient Operating Temp.	°F	36		
Service Line Connection	" NPT	Flange or 3"		
Max Male Rotor Speed	rpm	3070	3070	2772
Motor Efficiency	%	95.5%		

Aftercooling Data				
Max Heat Rejection	btu/hr	526025	563740	589148
Approach to Cooling Air	°F	18		
Fan Motor	nameplate hp	2 x 4 hp		
Fan Motor Efficiency	%	91.5%		
Max Fan Motor Speed	rpm	1200		
Max Fan Flow	cfm	15303		

Compressor Fluid Data		
Reservoir Fluid Capacity	gal (l)	23.78 (90)
Total Fluid Capacity	gal (l)	42.2 (160)
Typical Fluid Carryover	ppm	4

Electrical Data		
Max Starting Current at 460V	A	287
Full Load Current at 460V	A	287
Fuse Rating	A	300 A
Min. Cable Size	MCM	350

Sound Data (at 1 meter)		
Standard Enclosure at ref. conditions	dB(A)	74

Energy Consumption				
FL Drive Motor Consumption	kW	176.8	189.3	197.9
FL Fan Motor Consumption	kW	3.9	3.9	3.9
Total Package Consumption	kW	180.6	193.1	201.7
Total Package Specific Power	kW/100 cfm	16.8	18.0	21.2

Dimensions		
Length	in (mm)	116.74 (2963)
Width	in (mm)	63.43 (1610)
Height	in (mm)	78.48 (1992)
Approx. Weight	lbs (kg)	7826 (3550)