



**Engineering Data**  
Rev 2.1 – 7/31/2007

## Engineering Data SRS-5 - Air Cooled

PERFORMANCE DATA	
Airflow Capacity (Scfm @ 68F)	5,0
Air Pressure Drop (psi)	0,03
Air Temperature at Dryer Outlet (F)	63,8
Compressor Absorbed Power (kW)	0,25
Condenser Heat Rejected (kW)	0,34
REFERENCE DATA	
Working Pressure (psi g)	100
Inlet Air Temperature (F)	100
Ambient Temperature (F)	100
Relative Humidity (%)	100
GENERAL DATA	
Condenser Airflow (cfm) / number of fans	58 / 1
Maximum Operating Pressure (psi g)	232
Sound Pressure Level (dBA) (1 m free field )*	50
Refrigerant Type	R134a
Fridge Compressor Type / n°	Hermetic Pistons / 1
Refrigerant Quantity (lb)	0,37
Capacity Control	Automatic Expansion Valve
Expansion System	Automatic Expansion Valve
Air-to-air Heat Exchanger	Aluminium Plate in Vessel
Air-to-refrigerant Heat Exchanger	Aluminium Plate in Vessel
Number of Heat Exchangers	1
Separator Type	Demister
Drain Type	Afloat Drain
PIPING CONNECTIONS	
Air Inlet / Outlet	½" NPT - F
Condensate Drain Outlet	½" NPT - F
DIMENSIONS + WEIGHT	
Width (inch)	17,7
Height (inch)	16,9
Depth (inch)	8,3
Weight (lb)	42
ELECTRICAL DATA	
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz
F.L.A. Current (Amps)	3,74
Total Installed Power (kW)	0,33
Control Type	Electromechanical
Electrical Protection Class (Std.)	IP20

PERFORMANCE IN ACCORDANCE WITH ANSI/CAGI ADF 100-1998  
DEW POINT IN ACCORDANCE WITH CLASS 6 OF DIN ISO 8573-1  
\*Sound pressure level in accordance with ISO 3746

Operating limits:  
Max / Min Ambient Temperature (F): 122 / 41  
Max / Min Air Inlet Temperature (F): 149 / 41



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**Engineering Data**  
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## Engineering Data SRS-10 - Air Cooled

PERFORMANCE DATA	
Airflow Capacity (Scfm @ 68F)	10,0
Air Pressure Drop (psi)	0,13
Air Temperature at Dryer Outlet (F)	66,5
Compressor Absorbed Power (kW)	0,25
Condenser Heat Rejected (kW)	0,42
REFERENCE DATA	
Working Pressure (psi g)	100
Inlet Air Temperature (F)	100
Ambient Temperature (F)	100
Relative Humidity (%)	100
GENERAL DATA	
Condenser Airflow (cfm) / number of fans	58 / 1
Maximum Operating Pressure (psi g)	232
Sound Pressure Level (dBA) (1 m free field )*	50
Refrigerant Type	R134a
Fridge Compressor Type / n°	Hermetic Pistons / 1
Refrigerant Quantity (lb)	0,37
Capacity Control	Automatic Expansion Valve
Expansion System	Automatic Expansion Valve
Air-to-air Heat Exchanger	Aluminium Plate in Vessel
Air-to-refrigerant Heat Exchanger	Aluminium Plate in Vessel
Number of Heat Exchangers	1
Separator Type	Demister
Drain Type	Afloat Drain
PIPING CONNECTIONS	
Air Inlet / Outlet	½" NPT - F
Condensate Drain Outlet	½" NPT - F
DIMENSIONS + WEIGHT	
Width (inch)	17,7
Height (inch)	16,9
Depth (inch)	8,3
Weight (lb)	42
ELECTRICAL DATA	
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz
F.L.A. Current (Amps)	3,74
Total Installed Power (kW)	0,33
Control Type	Electromechanical
Electrical Protection Class (Std.)	IP20

PERFORMANCE IN ACCORDANCE WITH ANSI/CAGI ADF 100-1998  
DEW POINT IN ACCORDANCE WITH CLASS 6 OF DIN ISO 8573-1  
\*Sound pressure level in accordance with ISO 3746

Operating limits:  
Max / Min Ambient Temperature (F): 122 / 41  
Max / Min Air Inlet Temperature (F): 149 / 41



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**Engineering Data**  
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## Engineering Data SRS-15 - Air Cooled

PERFORMANCE DATA	
Airflow Capacity (Scfm @ 68F)	15,0
Air Pressure Drop (psi)	0,28
Air Temperature at Dryer Outlet (F)	67,8
Compressor Absorbed Power (kW)	0,25
Condenser Heat Rejected (kW)	0,51
REFERENCE DATA	
Working Pressure (psi g)	100
Inlet Air Temperature (F)	100
Ambient Temperature (F)	100
Relative Humidity (%)	100
GENERAL DATA	
Condenser Airflow (cfm) / number of fans	58 / 1
Maximum Operating Pressure (psi g)	232
Sound Pressure Level (dBA) (1 m free field )*	50
Refrigerant Type	R134a
Fridge Compressor Type / n°	Hermetic Pistons / 1
Refrigerant Quantity (lb)	0,37
Capacity Control	Automatic Expansion Valve
Expansion System	Automatic Expansion Valve
Air-to-air Heat Exchanger	Aluminium Plate in Vessel
Air-to-refrigerant Heat Exchanger	Aluminium Plate in Vessel
Number of Heat Exchangers	1
Separator Type	Demister
Drain Type	Afloat Drain
PIPING CONNECTIONS	
Air Inlet / Outlet	½" NPT - F
Condensate Drain Outlet	½" NPT - F
DIMENSIONS + WEIGHT	
Width (inch)	17,7
Height (inch)	16,9
Depth (inch)	8,3
Weight (lb)	42
ELECTRICAL DATA	
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz
F.L.A. Current (Amps)	3,74
Total Installed Power (kW)	0,33
Control Type	Electromechanical
Electrical Protection Class (Std.)	IP20

PERFORMANCE IN ACCORDANCE WITH ANSI/CAGI ADF 100-1998  
DEW POINT IN ACCORDANCE WITH CLASS 6 OF DIN ISO 8573-1  
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Operating limits:  
Max / Min Ambient Temperature (F): 122 / 41  
Max / Min Air Inlet Temperature (F): 149 / 41



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**Engineering Data**  
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## Engineering Data SRS-25 - Air Cooled

PERFORMANCE DATA	
Airflow Capacity (Scfm @ 68°F)	25,0
Air Pressure Drop (psi)	0,33
Air Temperature at Dryer Outlet (°F)	75,7
Compressor Absorbed Power (kW)	0,33
Condenser Heat Rejected (kW)	0,69
REFERENCE DATA	
Working Pressure (psi g)	100
Inlet Air Temperature (°F)	100
Ambient Temperature (°F)	100
Relative Humidity (%)	100
GENERAL DATA	
Condenser Airflow (cfm) / number of fans	147 / 1
Maximum Operating Pressure (psi g)	232
Sound Pressure Level (dBA) (1 m free field )*	55
Refrigerant Type	R134a
Fridge Compressor Type / n°	Hermetic Pistons / 1
Refrigerant Quantity (lb)	0,60
Capacity Control	Automatic Expansion Valve
Expansion System	Automatic Expansion Valve
Air-to-air Heat Exchanger	Aluminium Plate in Vessel
Air-to-refrigerant Heat Exchanger	Aluminium Plate in Vessel
Number of Heat Exchangers	1
Separator Type	Demister
Drain Type	Afloat Drain
PIPING CONNECTIONS	
Air Inlet / Outlet	½" NPT - F
Condensate Drain Outlet	½" NPT - F
DIMENSIONS + WEIGHT	
Width (inch)	19,7
Height (inch)	19,9
Depth (inch)	8,3
Weight (lb)	52
ELECTRICAL DATA	
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz
F.L.A. Current (Amps)	4,78
Total Installed Power (kW)	0,45
Control Type	Electromechanical
Electrical Protection Class (Std.)	IP20

PERFORMANCE IN ACCORDANCE WITH ANSI/CAGI ADF 100-1998  
DEW POINT IN ACCORDANCE WITH CLASS 6 OF DIN ISO 8573-1  
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Operating limits:  
Max / Min Ambient Temperature (°F): 122 / 41  
Max / Min Air Inlet Temperature (°F): 149 / 41



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## Engineering Data SRS-35 - Air Cooled

PERFORMANCE DATA	
Airflow Capacity (Scfm @ 68F)	35,0
Air Pressure Drop (psi)	0,62
Air Temperature at Dryer Outlet (F)	74,4
Compressor Absorbed Power (kW)	0,33
Condenser Heat Rejected (kW)	0,83
REFERENCE DATA	
Working Pressure (psi g)	100
Inlet Air Temperature (F)	100
Ambient Temperature (F)	100
Relative Humidity (%)	100
GENERAL DATA	
Condenser Airflow (cfm) / number of fans	147 / 1
Maximum Operating Pressure (psi g)	232
Sound Pressure Level (dBA) (1 m free field )*	55
Refrigerant Type	R134a
Fridge Compressor Type / n°	Hermetic Pistons / 1
Refrigerant Quantity (lb)	0,60
Capacity Control	Automatic Expansion Valve
Expansion System	Automatic Expansion Valve
Air-to-air Heat Exchanger	Aluminium Plate in Vessel
Air-to-refrigerant Heat Exchanger	Aluminium Plate in Vessel
Number of Heat Exchangers	1
Separator Type	Demister
Drain Type	Afloat Drain
PIPING CONNECTIONS	
Air Inlet / Outlet	½" NPT - F
Condensate Drain Outlet	½" NPT - F
DIMENSIONS + WEIGHT	
Width (inch)	19,7
Height (inch)	19,9
Depth (inch)	8,3
Weight (lb)	52
ELECTRICAL DATA	
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz
F.L.A. Current (Amps)	4,78
Total Installed Power (kW)	0,45
Control Type	Electromechanical
Electrical Protection Class (Std.)	IP20

PERFORMANCE IN ACCORDANCE WITH ANSI/CAGI ADF 100-1998  
DEW POINT IN ACCORDANCE WITH CLASS 6 OF DIN ISO 8573-1  
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Operating limits:  
Max / Min Ambient Temperature (F): 122 / 41  
Max / Min Air Inlet Temperature (F): 149 / 41



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## Engineering Data SRS-50 - Air Cooled

PERFORMANCE DATA	
Airflow Capacity (Scfm @ 68F)	50,0
Air Pressure Drop (psi)	1,02
Air Temperature at Dryer Outlet (F)	71,8
Compressor Absorbed Power (kW)	0,67
Condenser Heat Rejected (kW)	1,44
REFERENCE DATA	
Working Pressure (psi g)	100
Inlet Air Temperature (F)	100
Ambient Temperature (F)	100
Relative Humidity (%)	100
GENERAL DATA	
Condenser Airflow (cfm) / number of fans	177 / 1
Maximum Operating Pressure (psi g)	232
Sound Pressure Level (dBA) (1 m free field )*	55
Refrigerant Type	R134a
Fridge Compressor Type / n°	Hermetic Pistons / 1
Refrigerant Quantity (lb)	0,55
Capacity Control	Automatic Expansion Valve
Expansion System	Automatic Expansion Valve
Air-to-air Heat Exchanger	Aluminium Plate in Vessel
Air-to-refrigerant Heat Exchanger	Aluminium Plate in Vessel
Number of Heat Exchangers	1
Separator Type	Demister
Drain Type	Afloat Drain
PIPING CONNECTIONS	
Air Inlet / Outlet	¾" NPT - F
Condensate Drain Outlet	½" NPT - F
DIMENSIONS + WEIGHT	
Width (inch)	20,5
Height (inch)	22,2
Depth (inch)	8,9
Weight (lb)	58
ELECTRICAL DATA	
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz
F.L.A. Current (Amps)	8,31
Total Installed Power (kW)	0,73
Control Type	Electromechanical
Electrical Protection Class (Std.)	IP20

PERFORMANCE IN ACCORDANCE WITH ANSI/CAGI ADF 100-1998  
DEW POINT IN ACCORDANCE WITH CLASS 6 OF DIN ISO 8573-1  
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Operating limits:  
Max / Min Ambient Temperature (F): 122 / 41  
Max / Min Air Inlet Temperature (F): 149 / 41



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## Engineering Data SRS-75 - Air Cooled

PERFORMANCE DATA	
Airflow Capacity (Scfm @ 68F)	75,0
Air Pressure Drop (psi)	2,23
Air Temperature at Dryer Outlet (F)	73,4
Compressor Absorbed Power (kW)	0,85
Condenser Heat Rejected (kW)	1,99
REFERENCE DATA	
Working Pressure (psi g)	100
Inlet Air Temperature (F)	100
Ambient Temperature (F)	100
Relative Humidity (%)	100
GENERAL DATA	
Condenser Airflow (cfm) / number of fans	247 / 1
Maximum Operating Pressure (psi g)	232
Sound Pressure Level (dBA) (1 m free field )*	55
Refrigerant Type	R134a
Fridge Compressor Type / n°	Hermetic Pistons / 1
Refrigerant Quantity (lb)	0,60
Capacity Control	Automatic Expansion Valve
Expansion System	Automatic Expansion Valve
Air-to-air Heat Exchanger	Aluminium Plate in Vessel
Air-to-refrigerant Heat Exchanger	Aluminium Plate in Vessel
Number of Heat Exchangers	1
Separator Type	Demister
Drain Type	Afloat Drain
PIPING CONNECTIONS	
Air Inlet / Outlet	¾" NPT - F
Condensate Drain Outlet	½" NPT - F
DIMENSIONS + WEIGHT	
Width (inch)	20,5
Height (inch)	22,2
Depth (inch)	8,9
Weight (lb)	68
ELECTRICAL DATA	
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz
F.L.A. Current (Amps)	10,23
Total Installed Power (kW)	0,89
Control Type	Electromechanical
Electrical Protection Class (Std.)	IP20

PERFORMANCE IN ACCORDANCE WITH ANSI/CAGI ADF 100-1998  
DEW POINT IN ACCORDANCE WITH CLASS 6 OF DIN ISO 8573-1  
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Operating limits:  
Max / Min Ambient Temperature (F): 122 / 41  
Max / Min Air Inlet Temperature (F): 149 / 41



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**Engineering Data**  
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## Engineering Data SRS-100 - Air Cooled

PERFORMANCE DATA		
Airflow Capacity (Scfm @ 68F)	100	
Air Pressure Drop (psi)	3,72	
Air Temperature at Dryer Outlet (F)	74,2	
Compressor Absorbed Power (kW)	1,07	
Condenser Heat Rejected (kW)	2,55	
REFERENCE DATA		
Working Pressure (psi g)	100	
Inlet Air Temperature (F)	100	
Ambient Temperature (F)	100	
Relative Humidity (%)	100	
GENERAL DATA		
Condenser Airflow (cfm) / number of fans	365 / 1	
Maximum Operating Pressure (psi g)	232	
Sound Pressure Level (dBA) (1 m free field )*	55	
Refrigerant Type	R134a	
Fridge Compressor Type / n°	Hermetic Pistons / 1	
Refrigerant Quantity (lb)	0,77	
Capacity Control	Automatic Expansion Valve	
Expansion System	Automatic Expansion Valve	
Air-to-air Heat Exchanger	Aluminium Plate in Vessel	
Air-to-refrigerant Heat Exchanger	Aluminium Plate in Vessel	
Number of Heat Exchangers	1	
Separator Type	Demister	
Drain Type	Afloat Drain	
PIPING CONNECTIONS		
Air Inlet / Outlet	¾" NPT - F	
Condensate Drain Outlet	½" NPT - F	
DIMENSIONS + WEIGHT		
Width (inch)	20,5	
Height (inch)	22,2	
Depth (inch)	8,9	
Weight (lb)	77	
ELECTRICAL DATA		
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz	230V / 1ph / 60Hz
F.L.A. Current (Amps)	12,44	6,22
Total Installed Power (kW)	1,16	1,16
Control Type	Electromechanical	
Electrical Protection Class (Std.)	IP20	

PERFORMANCE IN ACCORDANCE WITH ANSI/CAGI ADF 100-1998  
DEW POINT IN ACCORDANCE WITH CLASS 6 OF DIN ISO 8573-1  
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Operating limits:  
Max / Min Ambient Temperature (F): 122 / 41  
Max / Min Air Inlet Temperature (F): 149 / 41



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**Engineering Data**  
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## Engineering Data SRS-125 - Air Cooled

PERFORMANCE DATA		
Airflow Capacity (Scfm @ 68F)		125
Air Pressure Drop (psi)		1,76
Air Temperature at Dryer Outlet (F)		81,4
Compressor Absorbed Power (kW)		0,99
Condenser Heat Rejected (kW)		2,56
REFERENCE DATA		
Working Pressure (psi g)		100
Inlet Air Temperature (F)		100
Ambient Temperature (F)		100
Relative Humidity (%)		100
GENERAL DATA		
Condenser Airflow (cfm) / number of fans		350 / 2
Maximum Operating Pressure (psi g)		232
Sound Pressure Level (dBA) (1 m free field )*		55
Refrigerant Type		R134a
Fridge Compressor Type / n°		Hermetic Pistons / 1
Refrigerant Quantity (lb)		1,21
Capacity Control		Automatic Expansion Valve
Expansion System		Automatic Expansion Valve
Air-to-air Heat Exchanger		Aluminium Plate in Vessel
Air-to-refrigerant Heat Exchanger		Aluminium Plate in Vessel
Number of Heat Exchangers		1
Separator Type		Demister
Drain Type		Afloat Drain
PIPING CONNECTIONS		
Air Inlet / Outlet		1+1/2" NPT - F
Condensate Drain Outlet		1/2" NPT - F
DIMENSIONS + WEIGHT		
Width (inch)		21,9
Height (inch)		23,6
Depth (inch)		16,7
Weight (lb)		115
ELECTRICAL DATA		
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz	230V / 1ph / 60Hz
F.L.A. Current (Amps)	13,44	7,3
Total Installed Power (kW)	1,23	1,31
Control Type	Electromechanical	
Electrical Protection Class (Std.)	IP20	

PERFORMANCE IN ACCORDANCE WITH ANSI/CAGI ADF 100-1998  
DEW POINT IN ACCORDANCE WITH CLASS 6 OF DIN ISO 8573-1  
\*Sound pressure level in accordance with ISO 3746

Operating limits:  
Max / Min Ambient Temperature (F): 122 / 41  
Max / Min Air Inlet Temperature (F): 149 / 41



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**Engineering Data**  
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## Engineering Data SRS-150 - Air Cooled

PERFORMANCE DATA		
Airflow Capacity (Scfm @ 68F)	150	
Air Pressure Drop (psi)	2,47	
Air Temperature at Dryer Outlet (F)	79,6	
Compressor Absorbed Power (kW)	1,15	
Condenser Heat Rejected (kW)	3,1	
REFERENCE DATA		
Working Pressure (psi g)	100	
Inlet Air Temperature (F)	100	
Ambient Temperature (F)	100	
Relative Humidity (%)	100	
GENERAL DATA		
Condenser Airflow (cfm) / number of fans	500 / 2	
Maximum Operating Pressure (psi g)	232	
Sound Pressure Level (dBA) (1 m free field )*	55	
Refrigerant Type	R134a	
Fridge Compressor Type / n°	Hermetic Pistons / 1	
Refrigerant Quantity (lb)	1,68	
Capacity Control	Hot Gas by-pass	
Expansion System	Capillary Tube	
Air-to-air Heat Exchanger	Aluminium Plate in Vessel	
Air-to-refrigerant Heat Exchanger	Aluminium Plate in Vessel	
Number of Heat Exchangers	1	
Separator Type	Demister	
Drain Type	Afloat Drain	
PIPING CONNECTIONS		
Air Inlet / Outlet	1+1/2" NPT - F	
Condensate Drain Outlet	1/2" NPT - F	
DIMENSIONS + WEIGHT		
Width (inch)	21,9	
Height (inch)	23,6	
Depth (inch)	16,7	
Weight (lb)	128	
ELECTRICAL DATA		
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz	230V / 1ph / 60Hz
F.L.A. Current (Amps)	15,35	8,41
Total Installed Power (kW)	1,47	1,43
Control Type	Electromechanical	
Electrical Protection Class (Std.)	IP20	

PERFORMANCE IN ACCORDANCE WITH ANSI/CAGI ADF 100-1998  
DEW POINT IN ACCORDANCE WITH CLASS 6 OF DIN ISO 8573-1  
\*Sound pressure level in accordance with ISO 3746

Operating limits:  
Max / Min Ambient Temperature (F): 122 / 41  
Max / Min Air Inlet Temperature (F): 149 / 41



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**Engineering Data**  
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## Engineering Data SRS-175 - Air Cooled

PERFORMANCE DATA	
Airflow Capacity (Scfm @ 68F)	175
Air Pressure Drop (psi)	3,29
Air Temperature at Dryer Outlet (F)	78,7
Compressor Absorbed Power (kW)	1,42
Condenser Heat Rejected (kW)	3,8
REFERENCE DATA	
Working Pressure (psi g)	100
Inlet Air Temperature (F)	100
Ambient Temperature (F)	100
Relative Humidity (%)	100
GENERAL DATA	
Condenser Airflow (cfm) / number of fans	730 / 2
Maximum Operating Pressure (psi g)	232
Sound Pressure Level (dBA) (1 m free field )*	55
Refrigerant Type	R134a
Fridge Compressor Type / n°	Hermetic Pistons / 1
Refrigerant Quantity (lb)	1,98
Capacity Control	Hot Gas by-pass
Expansion System	Capillary Tube
Air-to-air Heat Exchanger	Aluminium Plate in Vessel
Air-to-refrigerant Heat Exchanger	Aluminium Plate in Vessel
Number of Heat Exchangers	1
Separator Type	Demister
Drain Type	Afloat Drain
PIPING CONNECTIONS	
Air Inlet / Outlet	1+1/2" NPT - F
Condensate Drain Outlet	1/2" NPT - F
DIMENSIONS + WEIGHT	
Width (inch)	21,9
Height (inch)	23,6
Depth (inch)	16,7
Weight (lb)	132
ELECTRICAL DATA	
Electrical Supply (+/- 10%) (AC)	230V / 1ph / 60Hz
F.L.A. Current (Amps)	8,34
Total Installed Power (kW)	1,76
Control Type	Electromechanical
Electrical Protection Class (Std.)	IP20

PERFORMANCE IN ACCORDANCE WITH ANSI/CAGI ADF 100-1998  
DEW POINT IN ACCORDANCE WITH CLASS 6 OF DIN ISO 8573-1  
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Operating limits:  
Max / Min Ambient Temperature (F): 122 / 41  
Max / Min Air Inlet Temperature (F): 149 / 41



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