



Engineering Data
Rev 6 - 01.08.03

Engineering Data SRHT 15 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°F)	41	50	59
Airflow Capacity (Scfm @ 68°F)	12,3	15,0	18,1
Air Pressure Drop (psi)	1,66	2,39	3,40
Air Temperature at Dryer Outlet (°F)	83,0	87,2	91,7
Compressor Absorbed Power (kW)	0,22	0,25	0,27
Condenser Heat Rejected (kW)	0,38	0,44	0,49
REFERENCE DATA			
Working Pressure (psig)	125		
Inlet Air Temperature (°F)	180		
Ambient Temperature (°F)	95		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (cfm) / number of fans	58,3 / 1		
Maximum Operating Pressure (psig)	232		
Sound Pressure Level (dBA) (1 m free field)*	55		
Refrigerant Type	R134a		
Fridge Compressor Type / n°	Hermetic Pistons / 1		
Refrigerant Quantity (lb)	0,29		
Capacity Control	Automatic Expansion Valve		
Expansion System	Automatic Expansion Valve		
Air-to-air Heat Exchanger	Copper Tube in Tube		
Air-to-refrigerant Heat Exchanger	Copper Tube in Tube		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Afloat Drain		
Aftercooler Exchanger	Copper Tubes with Aluminium Fins		
Aftercooler	353,1		
Prefilter (3 micron) Model	HFN010/Q		
PIPING CONNECTIONS			
Air Inlet / Outlet	3/8" NPT - F		
Condensate Drain Outlet	½" NPT - M		
DIMENSIONS + WEIGHT			
Width (inch)	7,8		
Height (inch)	32		
Depth (inch)	17,7		
Weight (lb)	55		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz		
L.R.A. Current (Amps)	17,15		
F.L.A. Current (Amps)	3,7		
Total Installed Power (kW)	0,30		
Control Type	Electromechanical		
Electrical Protection Class (Std.)	IP20		

*Sound pressure level in accordance with ISO 3746

Operating limits:
Max / Min Ambient Temperature (°F): 115 / 41
Max / Min Air Inlet Temperature (°F): 200 / 41



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Engineering Data
Rev 6 - 01.08.03

Engineering Data SRHT 25 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°F)	41	50	59
Airflow Capacity (Scfm @ 68°F)	19,6	25,0	31,7
Air Pressure Drop (psi)	1,31	2,05	3,16
Air Temperature at Dryer Outlet (°F)	74,5	78,7	83,4
Compressor Absorbed Power (kW)	0,26	0,29	0,32
Condenser Heat Rejected (kW)	0,52	0,60	0,68
REFERENCE DATA			
Working Pressure (psig)	125		
Inlet Air Temperature (°F)	180		
Ambient Temperature (°F)	95		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (cfm) / number of fans	147,1 / 1		
Maximum Operating Pressure (psig)	232		
Sound Pressure Level (dBA) (1 m free field)*	60		
Refrigerant Type	R134a		
Fridge Compressor Type / n°	Hermetic Pistons / 1		
Refrigerant Quantity (lb)	0,43		
Capacity Control	Automatic Expansion Valve		
Expansion System	Automatic Expansion Valve		
Air-to-air Heat Exchanger	Copper Tube in Tube		
Air-to-refrigerant Heat Exchanger	Copper Tube in Tube		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Afloat Drain		
Aftercooler Exchanger	Copper Tubes with Aluminium Fins		
Aftercooler	353,1		
Prefilter (3 micron) Model	HFN018/Q		
PIPING CONNECTIONS			
Air Inlet / Outlet	½" NPT - F		
Condensate Drain Outlet	½" NPT - M		
DIMENSIONS + WEIGHT			
Width (inch)	11,1		
Height (inch)	39		
Depth (inch)	23,6		
Weight (lb)	93		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz		
L.R.A. Current (Amps)	31,45		
F.L.A. Current (Amps)	5,6		
Total Installed Power (kW)	0,39		
Control Type	Electromechanical		
Electrical Protection Class (Std.)	IP20		

*Sound pressure level in accordance with ISO 3746

Operating limits:
Max / Min Ambient Temperature (°F): 115 / 41
Max / Min Air Inlet Temperature (°F): 200 / 41



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Engineering Data
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Engineering Data SRHT 35 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°F)	41	50	59
Airflow Capacity (Scfm @ 68°F)	28,2	35,0	42,7
Air Pressure Drop (psi)	2,53	3,76	5,43
Air Temperature at Dryer Outlet (°F)	75,3	80,2	85,2
Compressor Absorbed Power (kW)	0,39	0,44	0,49
Condenser Heat Rejected (kW)	0,79	0,90	1,02
REFERENCE DATA			
Working Pressure (psig)	125		
Inlet Air Temperature (°F)	180		
Ambient Temperature (°F)	95		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (cfm) / number of fans	147,1 / 1		
Maximum Operating Pressure (psig)	232		
Sound Pressure Level (dBA) (1 m free field)*	60		
Refrigerant Type	R134a		
Fridge Compressor Type / n°	Hermetic Pistons / 1		
Refrigerant Quantity (lb)	0,44		
Capacity Control	Automatic Expansion Valve		
Expansion System	Automatic Expansion Valve		
Air-to-air Heat Exchanger	Copper Tube in Tube		
Air-to-refrigerant Heat Exchanger	Copper Tube in Tube		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Afloat Drain		
Aftercooler Exchanger	Copper Tubes with Aluminium Fins		
Aftercooler	882,9		
Prefilter (3 micron) Model	HFN018/Q		
PIPING CONNECTIONS			
Air Inlet / Outlet	½" NPT - F		
Condensate Drain Outlet	½" NPT - M		
DIMENSIONS + WEIGHT			
Width (inch)	11,1		
Height (inch)	39		
Depth (inch)	23,6		
Weight (lb)	95		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz		
L.R.A. Current (Amps)	36,45		
F.L.A. Current (Amps)	7,0		
Total Installed Power (kW)	0,54		
Control Type	Electromechanical		
Electrical Protection Class (Std.)	IP20		

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Operating limits:
Max / Min Ambient Temperature (°F): 115 / 41
Max / Min Air Inlet Temperature (°F): 200 / 41



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Engineering Data
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Engineering Data SRHT 50 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°F)	41	50	59
Airflow Capacity (Scfm @ 68°F)	40,0	50,1	60,6
Air Pressure Drop (psi)	2,17	3,27	4,66
Air Temperature at Dryer Outlet (°F)	73,2	77,8	82,8
Compressor Absorbed Power (kW)	0,56	0,64	0,69
Condenser Heat Rejected (kW)	1,09	1,26	1,38
REFERENCE DATA			
Working Pressure (psig)	125		
Inlet Air Temperature (°F)	180		
Ambient Temperature (°F)	95		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (cfm) / number of fans	176,6 / 1		
Maximum Operating Pressure (psig)	232		
Sound Pressure Level (dBA) (1 m free field)*	60		
Refrigerant Type	R134a		
Fridge Compressor Type / n°	Hermetic Pistons / 1		
Refrigerant Quantity (lb)	0,53		
Capacity Control	Automatic Expansion Valve		
Expansion System	Automatic Expansion Valve		
Air-to-air Heat Exchanger	Copper Tube in Tube		
Air-to-refrigerant Heat Exchanger	Copper Tube in Tube		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Afloat Drain		
Aftercooler Exchanger	Copper Tubes with Aluminium Fins		
Aftercooler	882,9		
Prefilter (3 micron) Model	HFN022/Q		
PIPING CONNECTIONS			
Air Inlet / Outlet	¾" NPT - F		
Condensate Drain Outlet	½" NPT - M		
DIMENSIONS + WEIGHT			
Width (inch)	13,9		
Height (inch)	47,7		
Depth (inch)	27,6		
Weight (lb)	134		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz		
L.R.A. Current (Amps)	43,45		
F.L.A. Current (Amps)	8,8		
Total Installed Power (kW)	0,72		
Control Type	Electromechanical		
Electrical Protection Class (Std.)	IP20		

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Operating limits:
Max / Min Ambient Temperature (°F): 115 / 41
Max / Min Air Inlet Temperature (°F): 200 / 41



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Engineering Data SRHT 75 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°F)	41	50	59
Airflow Capacity (Scfm @ 68°F)	62,0	75,0	89,2
Air Pressure Drop (psi)	2,41	3,43	4,74
Air Temperature at Dryer Outlet (°F)	76,7	81,8	87,0
Compressor Absorbed Power (kW)	0,76	0,85	0,94
Condenser Heat Rejected (kW)	1,64	1,86	2,09
REFERENCE DATA			
Working Pressure (psig)	125		
Inlet Air Temperature (°F)	180		
Ambient Temperature (°F)	95		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (cfm) / number of fans	247,2 / 1		
Maximum Operating Pressure (psig)	232		
Sound Pressure Level (dBA) (1 m free field)*	60		
Refrigerant Type	R134a		
Fridge Compressor Type / n°	Hermetic Pistons / 1		
Refrigerant Quantity (lb)	0,71		
Capacity Control	Automatic Expansion Valve		
Expansion System	Automatic Expansion Valve		
Air-to-air Heat Exchanger	Copper Tube in Tube		
Air-to-refrigerant Heat Exchanger	Copper Tube in Tube		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Afloat Drain		
Aftercooler Exchanger	Copper Tubes with Aluminium Fins		
Aftercooler	882,9		
Prefilter (3 micron) Model	HFN030/Q		
PIPING CONNECTIONS			
Air Inlet / Outlet	¾" NPT - F		
Condensate Drain Outlet	½" NPT - M		
DIMENSIONS + WEIGHT			
Width (inch)	13,9		
Height (inch)	47,7		
Depth (inch)	27,6		
Weight (lb)	154		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz		
L.R.A. Current (Amps)	54,45		
F.L.A. Current (Amps)	11,0		
Total Installed Power (kW)	0,99		
Control Type	Electromechanical		
Electrical Protection Class (Std.)	IP20		

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Operating limits:
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Max / Min Air Inlet Temperature (°F): 200 / 41



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Engineering Data
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Engineering Data SRHT 100 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°F)	41	50	59
Airflow Capacity (Scfm @ 68°F)	83,9	100,0	116,8
Air Pressure Drop (psi)	3,48	4,81	6,43
Air Temperature at Dryer Outlet (°F)	78,4	84,1	89,9
Compressor Absorbed Power (kW)	0,96	1,09	1,16
Condenser Heat Rejected (kW)	2,30	2,64	2,90
REFERENCE DATA			
Working Pressure (psig)	125		
Inlet Air Temperature (°F)	180		
Ambient Temperature (°F)	95		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (cfm) / number of fans	365 / 1		
Maximum Operating Pressure (psig)	232		
Sound Pressure Level (dBA) (1 m free field)*	60		
Refrigerant Type	R134a		
Fridge Compressor Type / n°	Hermetic Pistons / 1		
Refrigerant Quantity (lb)	0,71		
Capacity Control	Automatic Expansion Valve		
Expansion System	Automatic Expansion Valve		
Air-to-air Heat Exchanger	Copper Tube in Tube		
Air-to-refrigerant Heat Exchanger	Copper Tube in Tube		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Afloat Drain		
Aftercooler Exchanger	Copper Tubes with Aluminium Fins		
Aftercooler	882,9		
Prefilter (3 micron) Model	HFN030/Q		
PIPING CONNECTIONS			
Air Inlet / Outlet	¾" NPT - F		
Condensate Drain Outlet	½" NPT - M		
DIMENSIONS + WEIGHT			
Width (inch)	13,9		
Height (inch)	47,7		
Depth (inch)	27,6		
Weight (lb)	161		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	115V / 1ph / 60Hz		
L.R.A. Current (Amps)	58,25		
F.L.A. Current (Amps)	13,6		
Total Installed Power (kW)	1,22		
Control Type	Electromechanical		
Electrical Protection Class (Std.)	IP20		

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Operating limits:
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