

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 10
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	255	150
Heat Rejection Capacity Max. @45°C / 113°F (W)	899	
Fan Size (mm) / (inch)	Ø 200	Ø 7.9
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.28	0.62
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	N/A	
Liquid Receiver Size (lt)	N/A	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

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Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	17	10
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	105	1.5
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	0.41	
Nominal Operating Ampcity (A) **	3.31	
Min. Circuit Ampcity - MCA (A)	4.4	
Locked Rotor Amper - LRA (A)	19	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	6 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	452	17.8
Width (mm) / (inch)	444	17.5
Height (mm) / (inch)	567	22.3
Weight (kg) / (lbs)	32	70.5

Piping Connections

Connection Size	1/2" NPT
Drain Connection Size	1/4" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

DRYTEC AMERICA

Taking Air Treatment to New Heights

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 15
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	255	150
Heat Rejection Capacity Max. @45°C / 113°F (W)	947	
Fan Size (mm) / (inch)	Ø 200	Ø 7.9
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.3	0.66
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	N/A	
Liquid Receiver Size (lt)	N/A	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	26	15
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	120	1.7
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	0.42	
Nominal Operating Ampcity (A) **	3.38	
Min. Circuit Ampcity - MCA (A)	4.4	
Locked Rotor Amper - LRA (A)	19	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	6 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	452	17.8
Width (mm) / (inch)	444	17.5
Height (mm) / (inch)	567	22.3
Weight (kg) / (lbs)	32	70.5

Piping Connections

Connection Size	1/2" NPT
Drain Connection Size	1/4" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

DRYTEC AMERICA

Taking Air Treatment to New Heights

4121 Ohio Street
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219-878-1550

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 25
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General Data

Type of Cooling	Air Cooled
Condenser Air Flow (m ³ /h) / (cfm)	255 150
Heat Rejection Capacity Max. @45°C / 113°F (W)	1079
Fan Size (mm) / (inch)	∅ 200 ∅ 7.9
Number of Condenser Fans	1
Refrigerant Type	R134a
Refrigerant Quantity (kg) / (lbs)	0,32 0.71
Compressor Type	Reciprocating
Capacity Control (Cycling or Non-Cycling)	Non-Cycling
Expansion System	Thermostatic Expansion Valve
Heat Exchanger Type	Aluminum Plate
Number of Heat Exchangers	1
Suction Line Accumulator Size (lt)	N/A
Liquid Receiver Size (lt)	N/A
Drain Type	Solenoid Valve
Drain Control Type	Electronic Controller
Noise Level (db)	< 70
Filter Allocation and Type	Integrated X & Y Filters

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	43	25
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15,85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	195	2.8
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 Ph / 60 Hz
Total Installed Power (kW) **	0,48
Nominal Operating Ampcity (A) **	4,04
Min. Circuit Ampcity - MCA (A)	5.2
Locked Rotor Amper - LRA (A)	23
Controller Type	DigiPro
Electrical Protection Class according IEC	IP 54
Fuse (A)	6 (will be provided by the user.)

Size / Dimensions / Weight Data

Length (mm) / (inch)	452	17.8
Width (mm) / (inch)	444	17.5
Height (mm) / (inch)	567	22.3
Weight (kg) / (lbs)	32	70.5

Piping Connections

Connection Size	1/2" NPT
Drain Connection Size	1/4" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 35
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	255	150
Heat Rejection Capacity Max. @45°C / 113°F (W)	1224	
Fan Size (mm) / (inch)	Ø 200	Ø 7.9
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.32	0.71
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	N/A	
Liquid Receiver Size (lt)	N/A	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	60	35
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	218	3.2
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	0.52	
Nominal Operating Ampcity (A) **	4.31	
Min. Circuit Ampcity - MCA (A)	5,2	
Locked Rotor Amper - LRA (A)	23	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	6 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	452	17.8
Width (mm) / (inch)	444	17.5
Height (mm) / (inch)	567	22.3
Weight (kg) / (lbs)	35	77.2

Piping Connections

Connection Size	1/2" NPT
Drain Connection Size	1/4" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 40
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	255	150
Heat Rejection Capacity Max. @45°C / 113°F (W)	1233	
Fan Size (mm) / (inch)	∅ 200	∅ 7.9
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.4	0.88
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	N/A	
Liquid Receiver Size (lt)	N/A	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	68	40
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	92	1.3
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	0.49	
Nominal Operating Ampcity (A) **	4.22	
Min. Circuit Ampcity - MCA (A)	5.4	
Locked Rotor Amper - LRA (A)	26	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	6 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	473	18.6
Width (mm) / (inch)	453	17.8
Height (mm) / (inch)	832	32.8
Weight (kg) / (lbs)	51	112.4

Piping Connections

Connection Size	3/4" NPT
Drain Connection Size	1/4" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 65
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	790	465
Heat Rejection Capacity Max. @45°C / 113°F (W)	1935	
Fan Size (mm) / (inch)	Ø 254	Ø 10.0
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.55	1.21
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	N/A	
Liquid Receiver Size (lt)	N/A	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	111	65
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	126	1.8
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	0.78	
Nominal Operating Ampcity (A) **	7.75	
Min. Circuit Ampcity - MCA (A)	9.5	
Locked Rotor Amper - LRA (A)	34	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	10 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	473	18.6
Width (mm) / (inch)	453	17.8
Height (mm) / (inch)	832	32.8
Weight (kg) / (lbs)	53	116.8

Piping Connections

Connection Size	3/4" NPT
Drain Connection Size	1/4" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 80
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	790	465
Heat Rejection Capacity Max. @45°C / 113°F (W)	2375	
Fan Size (mm) / (inch)	Ø 254	Ø 10.0
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.6	1.32
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	N/A	
Liquid Receiver Size (lt)	N/A	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	136	80
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15,85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	184	2.7
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	0.89	
Nominal Operating Ampcity (A) **	9.19	
Min. Circuit Ampcity - MCA (A)	11.4	
Locked Rotor Amper - LRA (A)	44	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	12 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	473	18.6
Width (mm) / (inch)	453	17.8
Height (mm) / (inch)	832	32.8
Weight (kg) / (lbs)	55	121.3

Piping Connections

Connection Size	3/4" NPT
Drain Connection Size	1/4" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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Taking Air Treatment to New Heights

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 115
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	790	465
Heat Rejection Capacity Max. @45°C / 113°F (W)	2962	
Fan Size (mm) / (inch)	Ø 254	Ø 10.0
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.9	1.98
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	N/A	
Liquid Receiver Size (lt)	N/A	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	196	115
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	126	1.8
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	1.06	
Nominal Operating Ampcity (A) **	11.43	
Min. Circuit Ampcity - MCA (A)	13.8	
Locked Rotor Amper - LRA (A)	49	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	15 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	553	21.8
Width (mm) / (inch)	503	19.8
Height (mm) / (inch)	874	34.4
Weight (kg) / (lbs)	78	172.0

Piping Connections

Connection Size	1 1/2" NPT
Drain Connection Size	1/4" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

DRYTEC AMERICA

Taking Air Treatment to New Heights

4121 Ohio Street
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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 150
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	790	465
Heat Rejection Capacity Max. @45°C / 113°F (W)	3957	
Fan Size (mm) / (inch)	Ø 300	Ø 11.8
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.9	1.98
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	N/A	
Liquid Receiver Size (lt)	N/A	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	255	150
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	172	2.5
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	1.33	
Nominal Operating Ampcity (A) **	14.63	
Min. Circuit Ampcity - MCA (A)	18.2	
Locked Rotor Amper - LRA (A)	65	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	20 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	553	21.8
Width (mm) / (inch)	503	19.8
Height (mm) / (inch)	874	34.4
Weight (kg) / (lbs)	83	183.0

Piping Connections

Connection Size	1 1/2" NPT
Drain Connection Size	1/4" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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Taking Air Treatment to New Heights

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 200
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1598	940
Heat Rejection Capacity Max. @45°C / 113°F (W)	5731	
Fan Size (mm) / (inch)	Ø 300	Ø 11.8
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	2.5	5.51
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	N/A	
Liquid Receiver Size (lt)	3	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	340	200
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15,85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	126	1.8
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	230V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	1.90	
Nominal Operating Ampcity (A) **	8.19	
Min. Circuit Ampcity - MCA (A)	9.7	
Locked Rotor Amper - LRA (A)	34	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	10 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	678	26.7
Width (mm) / (inch)	648	25.5
Height (mm) / (inch)	1157	45.6
Weight (kg) / (lbs)	160	352.7

Piping Connections

Connection Size	2" NPT
Drain Connection Size	1/2" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

DRYTEC AMERICA

Taking Air Treatment to New Heights

4121 Ohio Street
Michigan City, IN 46360
219-878-1550

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 200 230/3/60
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1598	940
Heat Rejection Capacity Max. @45°C / 113°F (W)	5299	
Fan Size (mm) / (inch)	Ø 300	Ø 11.8
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	2.5	5.51
Compressor Type	Hermetic / Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	N/A	
Liquid Receiver Size (lt)	3	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	340	200
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15,85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	126	1.8
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	230V / 3 Ph / 60 Hz	
Total Installed Power (kW) **	1.79	
Nominal Operating Ampcity (A) **	5.39	
Min. Circuit Ampcity - MCA (A)	8.9	
Locked Rotor Amper - LRA (A)	30	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	10 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	678	26.7
Width (mm) / (inch)	648	25.5
Height (mm) / (inch)	1157	45.6
Weight (kg) / (lbs)	160	352.7

Piping Connections

Connection Size	2" NPT
Drain Connection Size	1/2" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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DRYTEC AMERICA

Technical Data Sheet
SDEUS-200-230/3/60-05172024

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 200 230/3/60
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General Data

Type of Cooling	Air Cooled
Condenser Air Flow (m ³ /h) / (cfm)	1598 940
Heat Rejection Capacity Max. @45°C / 113°F (W)	5299
Fan Size (mm) / (inch)	∅ 300 ∅ 11.8
Number of Condenser Fans	1
Refrigerant Type	R134a
Refrigerant Quantity (kg) / (lbs)	2.5 5.51
Compressor Type	Hermetic / Reciprocating
Capacity Control (Cycling or Non-Cycling)	Non-Cycling
Expansion System	Thermostatic Expansion Valve
Heat Exchanger Type	Aluminum Plate in Cylindrical Form
Number of Heat Exchangers	1
Suction Line Accumulator Size (lt)	N/A
Liquid Receiver Size (lt)	3
Drain Type	Solenoid Valve
Drain Control Type	Electronic Controller
Noise Level (db)	< 70
Filter Allocation and Type	Integrated X & Y Filters

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	340 200
Relative Humidity (%)	100
Max. Ambient Temperature (°C) / (°F)	49 120
Min. Ambient Temperature (°C) / (°F)	4 39
Max. Inlet Temperature (°C) / (°F)	60 140
Max. Working Pressure (barg) / (psig)	15,85 230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)
Pressure drop (mbar) / (psi)	126 1.8
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33 82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	230V / 3 Ph / 60 Hz
Total Installed Power (kW) **	1.79
Nominal Operating Ampcity (A) **	5.39
Min. Circuit Ampcity - MCA (A)	8.9
Locked Rotor Amper - LRA (A)	30
Controller Type	DigiPro
Electrical Protection Class according IEC	IP 54
Fuse (A)	10 (will be provided by the user.)

Size / Dimensions / Weight Data

Length (mm) / (inch)	678 26.7
Width (mm) / (inch)	648 25.5
Height (mm) / (inch)	1157 45.6
Weight (kg) / (lbs)	160 352.7

Piping Connections

Connection Size	2" NPT
Drain Connection Size	1/2" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 255
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1598	940
Heat Rejection Capacity Max. @45°C / 113°F (W)	7590	
Fan Size (mm) / (inch)	Ø 300	Ø 11.8
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	2.5	5.51
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	N/A	
Liquid Receiver Size (lt)	3	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	434	255
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	149	2.2
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	230V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	2.39	
Nominal Operating Ampcity (A) **	11.25	
Min. Circuit Ampcity - MCA (A)	14.9	
Locked Rotor Amper - LRA (A)	52	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	15 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	728	28.7
Width (mm) / (inch)	948	37.3
Height (mm) / (inch)	1157	45.6
Weight (kg) / (lbs)	165	363.8

Piping Connections

Connection Size	2" NPT
Drain Connection Size	1/2" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 255
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1598	940
Heat Rejection Capacity Max. @45°C / 113°F (W)	6810	
Fan Size (mm) / (inch)	Ø 300	Ø 11.8
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	2.5	5.51
Compressor Type	Hermetic / Scroll	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	N/A	
Liquid Receiver Size (lt)	3	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	434	255
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	149	2.2
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	230V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	2.01	
Nominal Operating Ampcity (A) **	6.94	
Min. Circuit Ampcity - MCA (A)	13.4	
Locked Rotor Amper - LRA (A)	16	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	15 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	728	28.7
Width (mm) / (inch)	948	37.3
Height (mm) / (inch)	1157	45.6
Weight (kg) / (lbs)	165	363.8

Piping Connections

Connection Size	2" NPT
Drain Connection Size	1/2" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 310 230/3/60
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1598	940
Heat Rejection Capacity Max. @45°C / 113°F (W)	7995	
Fan Size (mm) / (inch)	Ø 350	Ø 13.8
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	4.5	9.92
Compressor Type	Hermetic / Scroll	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	2	
Liquid Receiver Size (lt)	5	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	527	310
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	125	1.8
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	230V / 3 Ph / 60 Hz	
Total Installed Power (kW) **	2.21	
Nominal Operating Ampcity (A) **	7.54	
Min. Circuit Ampcity - MCA (A)	14	
Locked Rotor Amper - LRA (A)	47	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	15 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	948	37.3
Width (mm) / (inch)	728	28.7
Height (mm) / (inch)	1370	53.9
Weight (kg) / (lbs)	220	485.0

Piping Connections

Connection Size	2" NPT
Drain Connection Size	1/2" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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Taking Air Treatment to New Heights

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 310
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1598	940
Heat Rejection Capacity Max. @45°C / 113°F (W)	7995	
Fan Size (mm) / (inch)	Ø 350	Ø 13.8
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	4.5	9.92
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	2	
Liquid Receiver Size (lt)	5	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

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Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	527	310
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	144	2.1
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	230V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	2.58	
Nominal Operating Ampcity (A) **	12.04	
Min. Circuit Ampcity - MCA (A)	15.5	
Locked Rotor Amper - LRA (A)	52	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	15 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	948	37.3
Width (mm) / (inch)	728	28.7
Height (mm) / (inch)	1370	53.9
Weight (kg) / (lbs)	220	485.0

Piping Connections

Connection Size	2" NPT
Drain Connection Size	1/2" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

DRYTEC AMERICA

Taking Air Treatment to New Heights

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 310
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1598	940
Heat Rejection Capacity Max. @45°C / 113°F (W)	7995	
Fan Size (mm) / (inch)	Ø 350	Ø 13,8
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	4,5	9,92
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	2	
Liquid Receiver Size (lt)	5	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated - GO-US-700M X / Y	

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Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	527	310
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15,85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	144	2,1
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	230V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	2,58	
Nominal Operating Ampcity (A) **	12,04	
Min. Circuit Ampcity - MCA (A)	15,5	
Locked Rotor Amper - LRA (A)	52	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	15 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	948	37,3
Width (mm) / (inch)	728	28,7
Height (mm) / (inch)	1370	53,9
Weight (kg) / (lbs)	220	485,0

Piping Connections

Connection Size	2" NPT
Drain Connection Size	1/2" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

DRYTEC AMERICA

Taking Air Treatment to New Heights

4121 Ohio Street
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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 380
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1598	940
Heat Rejection Capacity Max. @45°C / 113°F (W)	8112	
Fan Size (mm) / (inch)	Ø 350	Ø 13.8
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	4.5	9.92
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	2	
Liquid Receiver Size (lt)	5	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filter	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	646	380
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	207	3.0
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	230V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	2.64	
Nominal Operating Ampcity (A) **	12.26	
Min. Circuit Ampcity - MCA (A)	15.5	
Locked Rotor Amper - LRA (A)	52	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	15 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	948	37.3
Width (mm) / (inch)	728	28.7
Height (mm) / (inch)	1370	53.9
Weight (kg) / (lbs)	220	485.0

Piping Connections

Connection Size	2" NPT
Drain Connection Size	1/2" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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DRYTEC AMERICA

Technical Data Sheet
SDEUS-380-230/3/6005172024

TECHNICAL SPECS DATA SHEET

Drytec Model Name	SDE-US 380 230/3/60
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General Data

Type of Cooling	Air Cooled
Condenser Air Flow (m ³ /h) / (cfm)	1598 940
Heat Rejection Capacity Max. @45°C / 113°F (W)	8112
Fan Size (mm) / (inch)	∅ 350 ∅ 13.8
Number of Condenser Fans	1
Refrigerant Type	R134a
Refrigerant Quantity (kg) / (lbs)	4.5 9.92
Compressor Type	Reciprocating
Capacity Control (Cycling or Non-Cycling)	Non-Cycling
Expansion System	Thermostatic Expansion Valve
Heat Exchanger Type	Aluminum Plate in Cylindrical Form
Number of Heat Exchangers	1
Suction Line Accumulator Size (lt)	2
Liquid Receiver Size (lt)	5
Drain Type	Solenoid Valve
Drain Control Type	Electronic Controller
Noise Level (db)	< 70
Filter Allocation and Type	Integrated X & Y Filter

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	646 380
Relative Humidity (%)	100
Max. Ambient Temperature (°C) / (°F)	49 120
Min. Ambient Temperature (°C) / (°F)	4 39
Max. Inlet Temperature (°C) / (°F)	60 140
Max. Working Pressure (barg) / (psig)	15.85 230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)
Pressure drop (mbar) / (psi)	207 3.0
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33 82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	230V / 3 Ph / 60 Hz
Total Installed Power (kW) **	2.15
Nominal Operating Ampcity (A) **	7.54
Min. Circuit Ampcity - MCA (A)	14
Locked Rotor Amper - LRA (A)	47
Controller Type	DigiPro
Electrical Protection Class according IEC	IP 54
Fuse (A)	15 (will be provided by the user.)

Size / Dimensions / Weight Data

Length (mm) / (inch)	948 37.3
Width (mm) / (inch)	728 28.7
Height (mm) / (inch)	1370 53.9
Weight (kg) / (lbs)	220 485.0

Piping Connections

Connection Size	2" NPT
Drain Connection Size	1/2" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

DRYTEC AMERICA

Taking Air Treatment to New Heights

4121 Ohio Street
Michigan City, IN 46360
219-878-1550

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 510
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1598	940
Heat Rejection Capacity Max. @45°C / 113°F (W)	10372	
Fan Size (mm) / (inch)	Ø 350	Ø 13.8
Number of Condenser Fans	1	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	4.5	9.92
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	2	
Liquid Receiver Size (lt)	5	
Drain Type	Solenoid Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filters	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	867	510
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	230	3.3
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	230V / 1 Ph / 60 Hz	
Total Installed Power (kW) **	3,23	
Nominal Operating Ampcity (A) **	15,15	
Min. Circuit Ampcity - MCA (A)	18,9	
Locked Rotor Amper - LRA (A)	79	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	20 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	948	37.3
Width (mm) / (inch)	728	28.7
Height (mm) / (inch)	1370	53.9
Weight (kg) / (lbs)	230	507.1

Piping Connections

Connection Size	2" NPT
Drain Connection Size	1/2" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

DRYTEC AMERICA

Taking Air Treatment to New Heights

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DRYTEC AMERICA

Technical Data Sheet
SDEUS-510 - 230/3/60-05172024

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 510 230/3/60
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General Data

Type of Cooling	Air Cooled
Condenser Air Flow (m ³ /h) / (cfm)	1598 940
Heat Rejection Capacity Max. @45°C / 113°F (W)	8040
Fan Size (mm) / (inch)	∅ 350 ∅ 13.8
Number of Condenser Fans	1
Refrigerant Type	R134a
Refrigerant Quantity (kg) / (lbs)	4.5 9.92
Compressor Type	Hermetic / Scroll
Capacity Control (Cycling or Non-Cycling)	Non-Cycling
Expansion System	Thermostatic Expansion Valve
Heat Exchanger Type	Aluminum Plate in Cylindrical Form
Number of Heat Exchangers	1
Suction Line Accumulator Size (lt)	2
Liquid Receiver Size (lt)	5
Drain Type	Solenoid Valve
Drain Control Type	Electronic Controller
Noise Level (db)	< 70
Filter Allocation and Type	Integrated X & Y Filters

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	867 510
Relative Humidity (%)	100
Max. Ambient Temperature (°C) / (°F)	49 120
Min. Ambient Temperature (°C) / (°F)	4 39
Max. Inlet Temperature (°C) / (°F)	60 140
Max. Working Pressure (barg) / (psig)	15.85 230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)
Pressure drop (mbar) / (psi)	230 3.3
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33 82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	230V / 3 Ph / 60 Hz
Total Installed Power (kW) **	2.14
Nominal Operating Ampcity (A) **	7.44
Min. Circuit Ampcity - MCA (A)	16.9
Locked Rotor Amper - LRA (A)	50
Controller Type	DigiPro
Electrical Protection Class according IEC	IP 54
Fuse (A)	20 (will be provided by the user.)

Size / Dimensions / Weight Data

Length (mm) / (inch)	948 37.3
Width (mm) / (inch)	728 28.7
Height (mm) / (inch)	1370 53.9
Weight (kg) / (lbs)	230 507.1

Piping Connections

Connection Size	2" NPT
Drain Connection Size	1/2" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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DRYTEC AMERICA

Technical Data Sheet

SDEUS-620-05172024

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 620
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General Data

Type of Cooling	Air Cooled
Condenser Air Flow (m ³ /h) / (cfm)	3400 2000
Heat Rejection Capacity Max. @45°C / 113°F (W)	12265
Fan Size (mm) / (inch)	Ø 350 Ø 13.8
Number of Condenser Fans	2
Refrigerant Type	R134a
Refrigerant Quantity (kg) / (lbs)	7 15.43
Compressor Type	Scroll
Capacity Control (Cycling or Non-Cycling)	Non-Cycling
Expansion System	Thermostatic Expansion Valve
Heat Exchanger Type	Aluminum Plate in Cylindrical Form
Number of Heat Exchangers	1
Suction Line Accumulator Size (lt)	4
Liquid Receiver Size (lt)	7.5
Drain Type	Membrane Valve
Drain Control Type	Electronic Controller
Noise Level (db)	< 70
Filter Allocation and Type	Integrated X & Y Filters

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	1054 620
Relative Humidity (%)	100
Max. Ambient Temperature (°C) / (°F)	49 120
Min. Ambient Temperature (°C) / (°F)	4 39
Max. Inlet Temperature (°C) / (°F)	60 140
Max. Working Pressure (barg) / (psig)	15.85 230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)
Pressure drop (mbar) / (psi)	155 2.3
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33 82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	460V / 3 Ph / 60 Hz
Total Installed Power (kW) **	3.48
Nominal Operating Ampcity (A) **	7.01
Min. Circuit Ampcity - MCA (A)	11.5
Locked Rotor Amper - LRA (A)	53
Controller Type	ESD-3
Electrical Protection Class according IEC	IP 54
Fuse (A)	12 (will be provided by the user.)

Size / Dimensions / Weight Data

Length (mm) / (inch)	948 37.3
Width (mm) / (inch)	798 31.4
Height (mm) / (inch)	1460 57.5
Weight (kg) / (lbs)	270 595.2

Piping Connections

Connection Size	3" NPT
Drain Connection Size	3/4" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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Taking Air Treatment to New Heights

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 825
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	3400	2000
Heat Rejection Capacity Max. @45°C / 113°F (W)	15475	
Fan Size (mm) / (inch)	Ø 350	Ø 13.8
Number of Condenser Fans	2	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	7	15.43
Compressor Type	Scroll	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	1	
Suction Line Accumulator Size (lt)	4	
Liquid Receiver Size (lt)	7.5	
Drain Type	Membrane Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	1403	825
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	195	2.8
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	460V / 3 Ph / 60 Hz	
Total Installed Power (kW) **	3.89	
Nominal Operating Ampcity (A) **	8.4	
Min. Circuit Ampcity - MCA (A)	13.8	
Locked Rotor Amper - LRA (A)	66	
Controller Type	ESD-3	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	15 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	948	37.3
Width (mm) / (inch)	798	31.4
Height (mm) / (inch)	1460	57.5
Weight (kg) / (lbs)	285	628.3

Piping Connections

Connection Size	3" NPT
Drain Connection Size	3/4" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 1050
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	5780	3400
Heat Rejection Capacity Max. @45°C / 113°F (W)	20445	
Fan Size (mm) / (inch)	Ø 400	Ø 15.7
Number of Condenser Fans	2	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	10	22.05
Compressor Type	Scroll	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	2	
Suction Line Accumulator Size (lt)	4	
Liquid Receiver Size (lt)	10	
Drain Type	Membrane Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filter	

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Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6.9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	1785	1050
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	138	2.0
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	460V / 3 Ph / 60 Hz	
Total Installed Power (kW) **	5.35	
Nominal Operating Ampcity (A) **	11.47	
Min. Circuit Ampcity - MCA (A)	17.0	
Locked Rotor Amper - LRA (A)	103	
Controller Type	ESD-3	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	20 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	1163	45.8
Width (mm) / (inch)	778	30.6
Height (mm) / (inch)	1725	67.9
Weight (kg) / (lbs)	392	864.2

Piping Connections

Connection Size	3" NPT
Drain Connection Size	1" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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Taking Air Treatment to New Heights

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 1250
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	5780	3400
Heat Rejection Capacity Max. @45°C / 113°F (W)	23855	
Fan Size (mm) / (inch)	Ø 400	Ø 15.7
Number of Condenser Fans	2	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	10	22.05
Compressor Type	Scroll	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	2	
Suction Line Accumulator Size (lt)	4	
Liquid Receiver Size (lt)	10	
Drain Type	Membrane Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filter	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	2125	1250
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	172	2.5
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	460V / 3 Ph / 60 Hz	
Total Installed Power (kW) **	6.01	
Nominal Operating Ampcity (A) **	12.51	
Min. Circuit Ampcity - MCA (A)	17.8	
Locked Rotor Amper - LRA (A)	98	
Controller Type	ESD-3	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	20 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	1163	45.8
Width (mm) / (inch)	778	30.6
Height (mm) / (inch)	1725	67.9
Weight (kg) / (lbs)	410	903.9

Piping Connections

Connection Size	3" NPT
Drain Connection Size	1" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

DRYTEC AMERICA

Taking Air Treatment to New Heights

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 1550
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	7820	4600
Heat Rejection Capacity Max. @45°C / 113°F (W)	27465	
Fan Size (mm) / (inch)	Ø 450	Ø 17.7
Number of Condenser Fans	2	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	10.5	23.15
Compressor Type	Scroll	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	2	
Suction Line Accumulator Size (lt)	4	
Liquid Receiver Size (lt)	10	
Drain Type	Membrane Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filter	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	2635	1550
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	138	2.0
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	460V / 3 Ph / 60 Hz	
Total Installed Power (kW) **	7.37	
Nominal Operating Ampcity (A) **	15.13	
Min. Circuit Ampcity - MCA (A)	23.0	
Locked Rotor Amper - LRA (A)	119	
Controller Type	ESD-3	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	25 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	1641	64.6
Width (mm) / (inch)	993	39
Height (mm) / (inch)	1906	75
Weight (kg) / (lbs)	525.5	1160

Piping Connections

Connection Size	4" Flange
Drain Connection Size	1" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

DRYTEC AMERICA

Taking Air Treatment to New Heights

4121 Ohio Street
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DRYTEC AMERICA

Technical Data Sheet
SDEUS1800--05172024

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 1800
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General Data

Type of Cooling	Air Cooled
Condenser Air Flow (m ³ /h) / (cfm)	7820 4600
Heat Rejection Capacity Max. @45°C / 113°F (W)	31995
Fan Size (mm) / (inch)	Ø 450 Ø 17.7
Number of Condenser Fans	2
Refrigerant Type	R134a
Refrigerant Quantity (kg) / (lbs)	10.5 23.15
Compressor Type	Scroll
Capacity Control (Cycling or Non-Cycling)	Non-Cycling
Expansion System	Thermostatic Expansion Valve
Heat Exchanger Type	Aluminum Plate in Cylindrical Form
Number of Heat Exchangers	2
Suction Line Accumulator Size (lt)	4
Liquid Receiver Size (lt)	10
Drain Type	Membrane Valve
Drain Control Type	Electronic Controller
Noise Level (db)	< 70
Filter Allocation and Type	Integrated X & Y Filter

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	3060 1800
Relative Humidity (%)	100
Max. Ambient Temperature (°C) / (°F)	49 120
Min. Ambient Temperature (°C) / (°F)	4 39
Max. Inlet Temperature (°C) / (°F)	60 140
Max. Working Pressure (barg) / (psig)	15.85 230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)
Pressure drop (mbar) / (psi)	149 2.2
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33 82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	460V / 3 Ph / 60 Hz
Total Installed Power (kW) **	8.30
Nominal Operating Ampcity (A) **	16.44
Min. Circuit Ampcity - MCA (A)	27.8
Locked Rotor Amper - LRA (A)	130
Controller Type	ESD-3
Electrical Protection Class according IEC	IP 54
Fuse (A)	30 (will be provided by the user.)

Size / Dimensions / Weight Data

Length (mm) / (inch)	1577 62.1
Width (mm) / (inch)	993 39.1
Height (mm) / (inch)	1906 75
Weight (kg) / (lbs)	554 1146.4

Piping Connections

Connection Size	4" Flange
Drain Connection Size	1" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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DRYTEC AMERICA

Technical Data Sheet
SDEUS-2300-05172024

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 2300
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General Data

Type of Cooling	Air Cooled
Condenser Air Flow (m ³ /h) / (cfm)	8840 5200
Heat Rejection Capacity Max. @45°C / 113°F (W)	39785
Fan Size (mm) / (inch)	∅ 500 ∅ 19.7
Number of Condenser Fans	2
Refrigerant Type	R134a
Refrigerant Quantity (kg) / (lbs)	20 44.09
Compressor Type	Scroll
Capacity Control (Cycling or Non-Cycling)	Non-Cycling
Expansion System	Thermostatic Expansion Valve
Heat Exchanger Type	Aluminum Plate in Cylindrical Form
Number of Heat Exchangers	3
Suction Line Accumulator Size (lt)	10
Liquid Receiver Size (lt)	20
Drain Type	Membrane Valve
Drain Control Type	Electronic Controller
Noise Level (db)	< 70
Filter Allocation and Type	Integrated X & Y Filter

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	3910 2300
Relative Humidity (%)	100
Max. Ambient Temperature (°C) / (°F)	49 120
Min. Ambient Temperature (°C) / (°F)	4 39
Max. Inlet Temperature (°C) / (°F)	60 140
Max. Working Pressure (barg) / (psig)	15.85 230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)
Pressure drop (mbar) / (psi)	213 3.1
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33 82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	460V / 3 Ph / 60 Hz
Total Installed Power (kW) **	10.69
Nominal Operating Ampcity (A) **	21.22
Min. Circuit Ampcity - MCA (A)	35.2
Locked Rotor Amper - LRA (A)	157
Controller Type	ESD-3
Electrical Protection Class according IEC	IP 54
Fuse (A)	35 (will be provided by the user.)

Size / Dimensions / Weight Data

Length (mm) / (inch)	1647 64.8
Width (mm) / (inch)	1077 42.4
Height (mm) / (inch)	2006 79.0
Weight (kg) / (lbs)	729.5 1608.3

Piping Connections

Connection Size	4" Flange
Drain Connection Size	1" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

DRYTEC AMERICA

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4121 Ohio Street
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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 2750
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	8840	5200
Heat Rejection Capacity Max. @45°C / 113°F (W)	47325	
Fan Size (mm) / (inch)	Ø 500	Ø 19.7
Number of Condenser Fans	2	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	20	44.09
Compressor Type	Scroll	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	3	
Suction Line Accumulator Size (lt)	10	
Liquid Receiver Size (lt)	20	
Drain Type	Membrane Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated X & Y Filter	

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	4675	2750
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15,5	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	224	3.3
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	460V / 3 Ph / 60 Hz	
Total Installed Power (kW) **	12.23	
Nominal Operating Ampcity (A) **	26.09	
Min. Circuit Ampcity - MCA (A)	40,8	
Locked Rotor Amper - LRA (A)	186	
Controller Type	ESD-3	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	40 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	1467	64.8
Width (mm) / (inch)	1077	42.4
Height (mm) / (inch)	2006	79
Weight (kg) / (lbs)	751.5	1656.8

Piping Connections

Connection Size	4" Flange
Drain Connection Size	1" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

DRYTEC AMERICA

Taking Air Treatment to New Heights

4121 Ohio Street
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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 3100
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	8840	3100
Heat Rejection Capacity Max. @45°C / 113°F (W)	60575	
Fan Size (mm) / (inch)	Ø 500	Ø 19.7
Number of Condenser Fans	2	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	22	48.50
Compressor Type	Scroll	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	4	
Suction Line Accumulator Size (lt)	15	
Liquid Receiver Size (lt)	25	
Drain Type	Membrane Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Externally Connected - F-US-3800 M X / Y *	

* Filters are not included to the standard package price, only given for information.

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	5270	3100
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	195	2.8
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	460V / 3 Ph / 60 Hz	
Total Installed Power (kW) **	15,28	
Nominal Operating Ampcity (A) **	27,01	
Min. Circuit Ampcity - MCA (A)	44,8	
Locked Rotor Amper - LRA (A)	232	
Controller Type	ESD-3	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	45 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	2188	86.1
Width (mm) / (inch)	1062	41.8
Height (mm) / (inch)	1925	75.8
Weight (kg) / (lbs)	900	1984.1

Piping Connections

Connection Size	6" Flange
Drain Connection Size	1" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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DRYTEC AMERICA

Technical Data Sheet

SDEUS-05172024

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 3550
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General Data

Type of Cooling	Air Cooled
Condenser Air Flow (m ³ /h) / (cfm)	13260 7800
Heat Rejection Capacity Max. @45°C / 113°F (W)	56375
Fan Size (mm) / (inch)	Ø 500 Ø 19.7
Number of Condenser Fans	3
Refrigerant Type	R134a
Refrigerant Quantity (kg) / (lbs)	23 50.71
Compressor Type	Scroll
Capacity Control (Cycling or Non-Cycling)	Non-Cycling
Expansion System	Thermostatic Expansion Valve
Heat Exchanger Type	Aluminum Plate in Cylindrical Form
Number of Heat Exchangers	4
Suction Line Accumulator Size (lt)	15
Liquid Receiver Size (lt)	25
Drain Type	Membrane Valve
Drain Control Type	Electronic Controller
Noise Level (db)	< 70
Filter Allocation and Type	Externally Connected - F-US-3800 M X / Y *

* Filters are not included to the standard package price, only given for information.

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	6035 3550
Relative Humidity (%)	100
Max. Ambient Temperature (°C) / (°F)	49 120
Min. Ambient Temperature (°C) / (°F)	4 39
Max. Inlet Temperature (°C) / (°F)	60 140
Max. Working Pressure (barg) / (psig)	15,85 230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)
Pressure drop (mbar) / (psi)	195 2.8
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33 82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	460V / 3 Ph / 60 Hz
Total Installed Power (kW) **	14.08
Nominal Operating Ampcity (A) **	30.28
Min. Circuit Ampcity - MCA (A)	47.8
Locked Rotor Amper - LRA (A)	235
Controller Type	ESD-3
Electrical Protection Class according IEC	IP 54
Fuse (A)	50 (will be provided by the user.)

Size / Dimensions / Weight Data

Length (mm) / (inch)	2188 86.1
Width (mm) / (inch)	1062 41.8
Height (mm) / (inch)	1925 75.8
Weight (kg) / (lbs)	925 2039.3

Piping Connections

Connection Size	6" Flange
Drain Connection Size	1" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 4100
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	13260	7800
Heat Rejection Capacity Max. @45°C / 113°F (W)	78120	
Fan Size (mm) / (inch)	Ø 500	Ø 19.7
Number of Condenser Fans	3	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	24	52.91
Compressor Type	Scroll	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	5	
Suction Line Accumulator Size (lt)	15	
Liquid Receiver Size (lt)	25	
Drain Type	Membrane Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Externally Connected - F-US-5000 M X / Y *	

* Filters are not included to the standard package price, only given for information.

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	6970	4100
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	195	2.8
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	460V / 3 Ph / 60 Hz	
Total Installed Power (kW) **	19.92	
Nominal Operating Ampcity (A) **	38.84	
Min. Circuit Ampcity - MCA (A)	61.2	
Locked Rotor Amper - LRA (A)	311	
Controller Type	ESD-3	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	65 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	2697	106.2
Width (mm) / (inch)	897	35.3
Height (mm) / (inch)	1975	77.8
Weight (kg) / (lbs)	975	2149.5

Piping Connections

Connection Size	6" Flange
Drain Connection Size	1" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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Technical Data Sheet
SDEUS-4500-05172024

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 4550
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General Data

Type of Cooling	Air Cooled
Condenser Air Flow (m ³ /h) / (cfm)	13260 7800
Heat Rejection Capacity Max. @45°C / 113°F (W)	70430
Fan Size (mm) / (inch)	∅ 500 ∅ 19.7
Number of Condenser Fans	3
Refrigerant Type	R134a
Refrigerant Quantity (kg) / (lbs)	26 57.32
Compressor Type	Scroll
Capacity Control (Cycling or Non-Cycling)	Non-Cycling
Expansion System	Thermostatic Expansion Valve
Heat Exchanger Type	Aluminum Plate in Cylindrical Form
Number of Heat Exchangers	6
Suction Line Accumulator Size (lt)	15
Liquid Receiver Size (lt)	25
Drain Type	Membrane Valve
Drain Control Type	Electronic Controller
Noise Level (db)	< 70
Filter Allocation and Type	Externally Connected - F-US-6500 M X / Y *

* Filters are not included to the standard package price, only given for information.

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	7735 4550
Relative Humidity (%)	100
Max. Ambient Temperature (°C) / (°F)	49 120
Min. Ambient Temperature (°C) / (°F)	4 39
Max. Inlet Temperature (°C) / (°F)	60 140
Max. Working Pressure (barg) / (psig)	15.85 230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)
Pressure drop (mbar) / (psi)	195 2.8
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33 82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	460V / 3 Ph / 60 Hz
Total Installed Power (kW) **	16,83
Nominal Operating Ampcity (A) **	36.38
Min. Circuit Ampcity - MCA (A)	61.2
Locked Rotor Amper - LRA (A)	311
Controller Type	ESD-3
Electrical Protection Class according IEC	IP 54
Fuse (A)	65 (will be provided by the user.)

Size / Dimensions / Weight Data

Length (mm) / (inch)	2697 106.2
Width (mm) / (inch)	897 35.3
Height (mm) / (inch)	1975 77.8
Weight (kg) / (lbs)	1100 2425.1

Piping Connections

Connection Size	8" Flange
Drain Connection Size	1" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDE-US 5600
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	26520	15600
Heat Rejection Capacity Max. @45°C / 113°F (W)	96900	
Fan Size (mm) / (inch)	Ø 500	Ø 19.7
Number of Condenser Fans	6	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	27	59.52
Compressor Type	Scroll	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Heat Exchanger Type	Aluminum Plate in Cylindrical Form	
Number of Heat Exchangers	7	
Suction Line Accumulator Size (lt)	20	
Liquid Receiver Size (lt)	30	
Drain Type	Membrane Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	External - Sold Separately- ELM-US-6000	

* Filters are not included to the standard package price, only given for information.

Boundary Conditions

Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	9520	5600
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	60	140
Max. Working Pressure (barg) / (psig)	15.85	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C / 38°F)	
Pressure drop (mbar) / (psi)	195	2.8
At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	460V / 3 Ph / 60 Hz	
Total Installed Power (kW) **	26.70	
Nominal Operating Ampcity (A) **	57.68	
Min. Circuit Ampcity - MCA (A)	80.4	
Locked Rotor Amper - LRA (A)	378	
Controller Type	ESD-3	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	80 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	2550	100.4
Width (mm) / (inch)	1550	61.0
Height (mm) / (inch)	2100	82.7
Weight (kg) / (lbs)	1400	3086.4

Piping Connections

Connection Size	8" Flange
Drain Connection Size	1" NPT

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.

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