

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDH US 15
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1580	929
Heat Rejection Capacity Max. @45°C / 113°F (W)	1289	
Fan Size (mm) / (inch)	Ø 254	Ø 10
Number of Condenser Fans	2	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.4	0.9
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Air to Cooler Heat Exchanger Type (Aftercooler)	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 - G100WS Water Separator	

Boundary Conditions

Max Rated Air Flow 82°C / 180°F Inlet, 12 Barg / 175 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	25	15
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	115	240
Max. Working Pressure (barg) / (psig)	16	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 6 (dew point ≤10°C / 50°F)	
Pressure drop (mbar) / (psi)	110	1.6
At 38°C / 100°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 / 60 Hz	
Total Installed Power (kW) **	0.7	
Nominal Operating Ampcity (A) **	7.5	
Min. Circuit Ampcity - MCA (A)	8.6	
Locked Rotor Amper - LRA (A)	26	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	8 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	448	17.6
Width (mm) / (inch)	448	17.6
Height (mm) / (inch)	957	37.7
Weight (kg) / (lbs)	62.5	137.8

Piping Connections

Connection Size	1/2" NPT
Drain Connection Size	3/8" NPT

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

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDH US 25
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1580	929
Heat Rejection Capacity Max. @45°C / 113°F (W)	1375	
Fan Size (mm) / (inch)	Ø 254	Ø 10
Number of Condenser Fans	2	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.4	0.9
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Air to Cooler Heat Exchanger Type (Aftercooler)	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 - G100WS Water Separator	

Boundary Conditions

Max Rated Air Flow 82°C / 180°F Inlet, 12 Barg / 175 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	42	25
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	115	240
Max. Working Pressure (barg) / (psig)	16	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 6 (dew point ≤10°C / 50°F)	
Pressure drop (mbar) / (psi)	170	2.5
At 38°C / 100°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 / 60 Hz	
Total Installed Power (kW) **	0.7	
Nominal Operating Ampcity (A) **	7.6	
Min. Circuit Ampcity - MCA (A)	8.8	
Locked Rotor Amper - LRA (A)	29	
Controller Type	DigiPro	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	8 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	448	17.6
Width (mm) / (inch)	448	17.6
Height (mm) / (inch)	957	37.7
Weight (kg) / (lbs)	62.5	137.8

Piping Connections

Connection Size	1/2" NPT	
Drain Connection Size	3/8" NPT	

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

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDH US 35
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1580	929
Heat Rejection Capacity Max. @45°C / 113°F (W)	1946	
Fan Size (mm) / (inch)	Ø 254	Ø 10
Number of Condenser Fans	2	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.4	0.9
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Air to Cooler Heat Exchanger Type (Aftercooler)	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 - G100WS Water Separator	

Boundary Conditions

Max Rated Air Flow 82°C / 180°F Inlet, 12 Barg / 175 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)	115	240
Max. Working Pressure (barg) / (psig)	16	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 6 (dew point ≤10°C / 50°F)	
Pressure drop (mbar) / (psi)	190	2.8
At 38°C / 100°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 / 60 Hz	
Total Installed Power (kW) **	0.9	
Nominal Operating Ampcity (A) **	9.6	
Min. Circuit Ampcity - MCA (A)	11.5	
Locked Rotor Amper - LRA (A)	36	
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)	448	17.6
Width (mm) / (inch)	448	17.6
Height (mm) / (inch)	957	37.7
Weight (kg) / (lbs)	64	141.1

Piping Connections

Connection Size	1/2" NPT
Drain Connection Size	3/8" 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	SDH US 50
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1580	929
Heat Rejection Capacity Max. @45°C / 113°F (W)	2169	
Fan Size (mm) / (inch)	Ø 254	Ø 10
Number of Condenser Fans	2	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.4	0.9
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Air to Cooler Heat Exchanger Type (Aftercooler)	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 - G100WS Water Separator	

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Boundary Conditions

Max Rated Air Flow 82°C / 180°F Inlet, 12 Barg / 175 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	85	50
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	115	240
Max. Working Pressure (barg) / (psig)	16	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 6 (dew point ≤10°C / 50°F)	
Pressure drop (mbar) / (psi)	120	1.7
At 38°C / 100°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 / 60 Hz	
Total Installed Power (kW) **	1.0	
Nominal Operating Ampcity (A) **	10.8	
Min. Circuit Ampcity - MCA (A)	13.4	
Locked Rotor Amper - LRA (A)	46	
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)	448	17.6
Width (mm) / (inch)	448	17.6
Height (mm) / (inch)	957	37.7
Weight (kg) / (lbs)	65	143.3

Piping Connections

Connection Size	3/4" NPT	
Drain Connection Size	3/8" 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	SDH US 75
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1580	929
Heat Rejection Capacity Max. @45°C / 113°F (W)	2359	
Fan Size (mm) / (inch)	Ø 300	Ø 12
Number of Condenser Fans	2	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.5	1.1
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Air to Cooler Heat Exchanger Type (Aftercooler)	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 - G200WS Water Separator	

Boundary Conditions

Max Rated Air Flow 82°C / 180°F Inlet, 12 Barg / 175 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	128	75
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	115	240
Max. Working Pressure (barg) / (psig)	16	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 6 (dew point ≤10°C / 50°F)	
Pressure drop (mbar) / (psi)	140	2.0
At 38°C / 100°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 / 60 Hz	
Total Installed Power (kW) **	1.0	
Nominal Operating Ampcity (A) **	11.0	
Min. Circuit Ampcity - MCA (A)	13.4	
Locked Rotor Amper - LRA (A)	46	
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)	627	24.7
Width (mm) / (inch)	512	20.2
Height (mm) / (inch)	877	34.5
Weight (kg) / (lbs)	86	189.6

Piping Connections

Connection Size	3/4" NPT	
Drain Connection Size	3/8" NPT	

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

TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDH US 100
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	1580	929
Heat Rejection Capacity Max. @45°C / 113°F (W)	2899	
Fan Size (mm) / (inch)	Ø 300	Ø 12
Number of Condenser Fans	2	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	0.5	1.1
Compressor Type	Reciprocating	
Capacity Control (Cycling or Non-Cycling)	Non-Cycling	
Expansion System	Thermostatic Expansion Valve	
Air to Cooler Heat Exchanger Type (Aftercooler)	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 - G200WS Water Separator	

Boundary Conditions

Max Rated Air Flow 82°C / 180°F Inlet, 12 Barg / 175 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm)	170	100
Relative Humidity (%)	100	
Max. Ambient Temperature (°C) / (°F)	49	120
Min. Ambient Temperature (°C) / (°F)	4	39
Max. Inlet Temperature (°C) / (°F)	115	240
Max. Working Pressure (barg) / (psig)	16	230

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 6 (dew point ≤10°C / 50°F)	
Pressure drop (mbar) / (psi)	165	2.4
At 38°C / 100°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33	82 - 91

Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 / 60 Hz	
Total Installed Power (kW) **	1.2	
Nominal Operating Ampcity (A) **	13.2	
Min. Circuit Ampcity - MCA (A)	15.8	
Locked Rotor Amper - LRA (A)	51	
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)	627	24.7
Width (mm) / (inch)	512	20.2
Height (mm) / (inch)	877	34.5
Weight (kg) / (lbs)	90	198.4

Piping Connections

Connection Size	3/4" NPT	
Drain Connection Size	3/8" NPT	

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