



**CHILLING PERFORMANCE**  
**24 Hrs. x 365 Days**

**Developing on the promise  
of cost efficient, CFC free,  
Industrial and Commercial Chiller Units**

**DRYCOOL Systems India (P) Ltd**  
C-34, Sector-63, Noida - 201 307, Gautam Budh Nagar (U.P.), INDIA

**CAPACITY - 5 TR AIR COOLED WATER CHILLER**

DWCS/DSG/83 - SS AIR COOLED

**PHYSICAL DATA**

Cooling Capacity	kcal/h	15750
	BTU/h	62600
	Nominal Capacity	RT
	Outlet Water Temp.	°C
	Condensation Temp.	°C
	Power Supply	3PH-415V-50HZ
Max Amp	A	12
Total Power Input	HP	7
Power Supply Cable Diameter	mm <sup>2</sup>	AWG 11
Safety Protection Device		Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type	R410A
	Charge	Lbs
Compressor	Start Mode	Direct start
	Type	Scroll Type
	Qty	1
	HP	8
	RLA (Rated Load Amp)	8.0
	LRA(Locked Rotor Amp)	62
Fan	Qty	1
	Type	External Rotar Axial Fan
	Power	HP
	Current	A
	LRA	A
	Volume Air Flow	CFM
Condenser	Type	MCHE
	Subcooling	K
	Heat Rejection	BTU/h
Evaporator	Type	SS304 Shell and Cu Tubes
	Superheat	K
	Heat Rejection	BTU/h
	Cooled Water Flow	GPM
	Water Pressure Drop	PSI
Energy Adjust Mode		100%-0%
Throttling Device	Mode	thermal expansion valve
Pipe	Water Outlet	MNPT 1"
	Water Inlet	MNPT 1"

Tel.: +91-0120-4246651 • Cell No. : 98111-27340, 98111-60920

E-mail : dcsipl@hotmail.com / vatsal.verma@drycoolchillers.com • CIN : U29192DL1999PTC100034

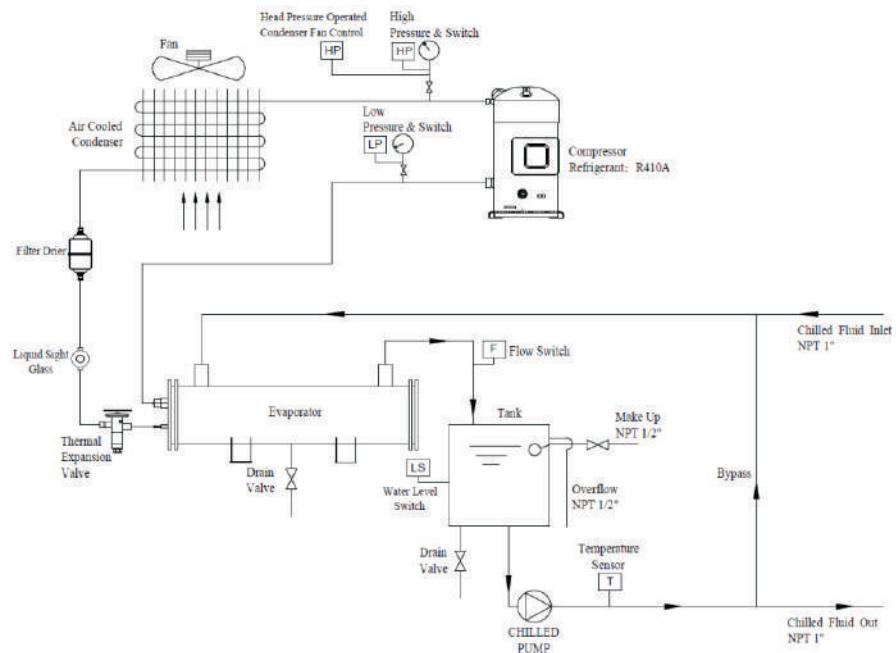
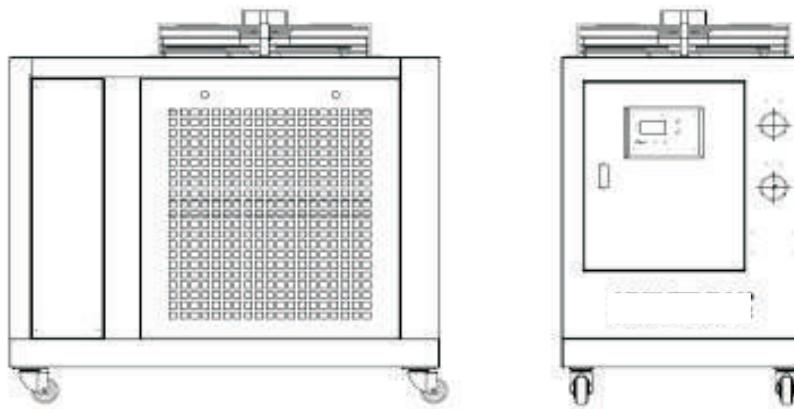
[www.drycoolchillers.com](http://www.drycoolchillers.com)

**TOLL FREE CUSTOMER CARE NO. 9811657548**

Water Pump	Flow	LPM	52
	Head	PSI	40.6
	LRA	A	6.6
	Power	HP	0.75
Water Tank	Capacity	LTR.	100
Sound Pressure at 1 meter	DBA		68
Programming Controller	Display	LCD display	
	Controller	microcomputer controller	
	Temp Control Range °C	+41 ~+95	
	Temp Control Accuracy °C	±3.6	
Dimensions	inches (LxWxH)		47×27×46
Weight	KG		170(For Reference)

## NOTES:

- 1 Cooling capacity based on 5°C(41°C) leaving coolant and 35°C(95°C) ambient air.
- 2 Chilled water work allowed temperature range: 5 °C~35°C (41°F ~95°F).  
Chilled water in and out temperature difference: 3 °C ~ 8°C (5.4°C ~ 14.4°C);  
Allowed ambient temperature range: -20 °C ~ 40°C (-4°C ~ 104°C).
- 3 Power supply: 3PH-415V-50HZ , Allowing the voltage fluctuate ±10%, allow phase voltage difference ±2%, Allow the frequency range ±0.2Hz.



## GA DRAWING

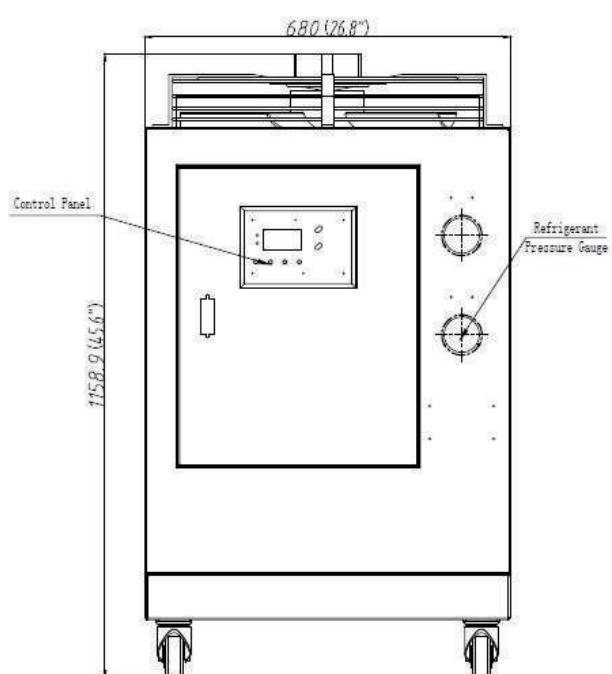
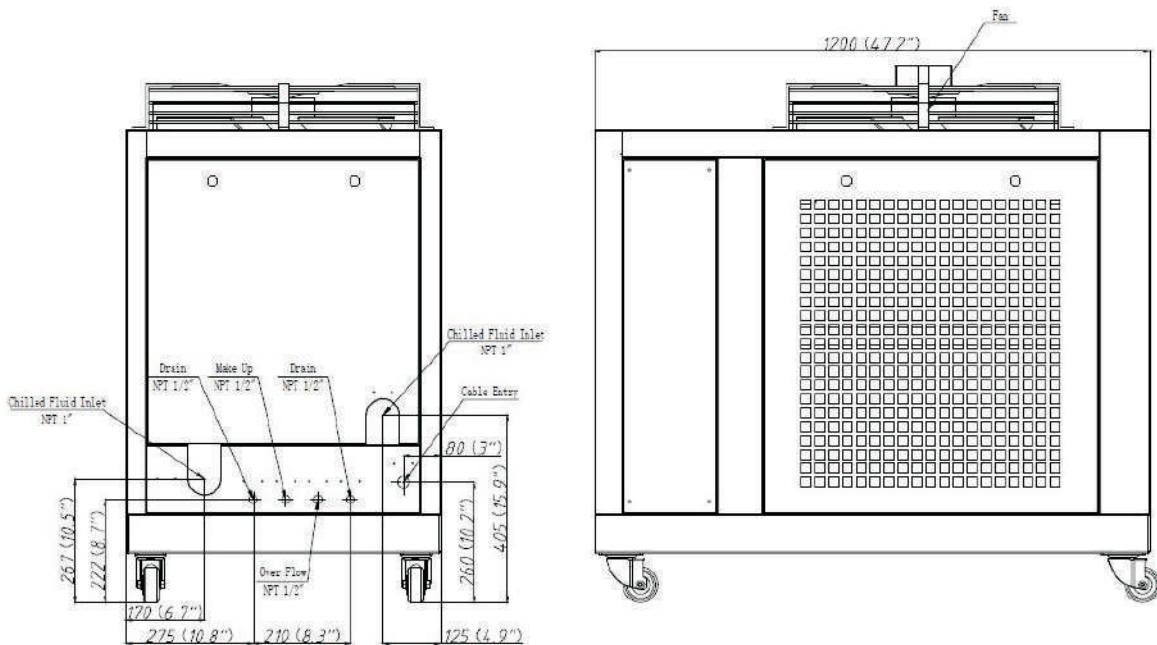
### CAPACITY - 5 TR AIR COOLED WATER CHILLER

DWCS/DSG/83 - SS AIR COOLED

DATE : 11/06/2023

SIGN

DRN	Kapil Sharma
DSGN	.
CHKD	Vatsal Verma
APPD	.



**CAPACITY - 10 TR AIR COOLED WATER CHILLER**

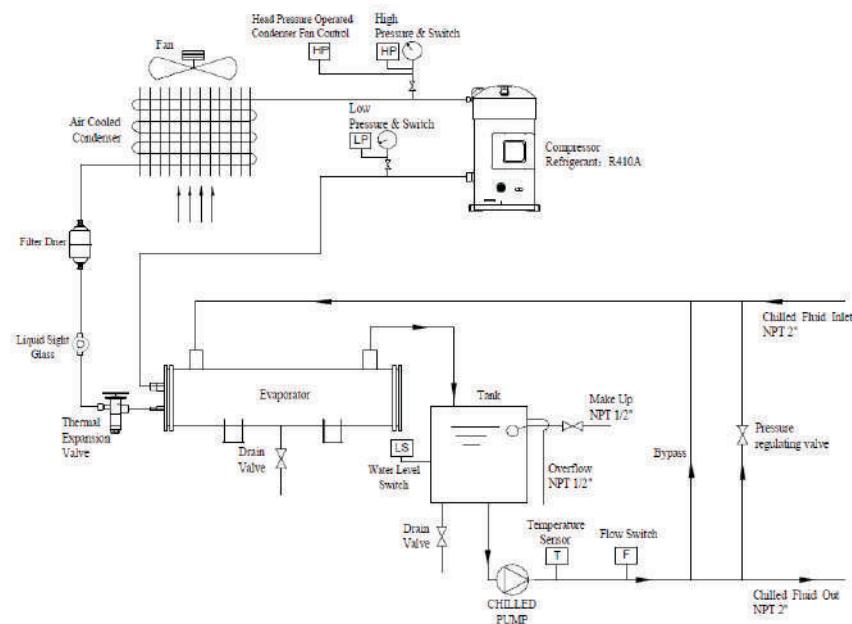
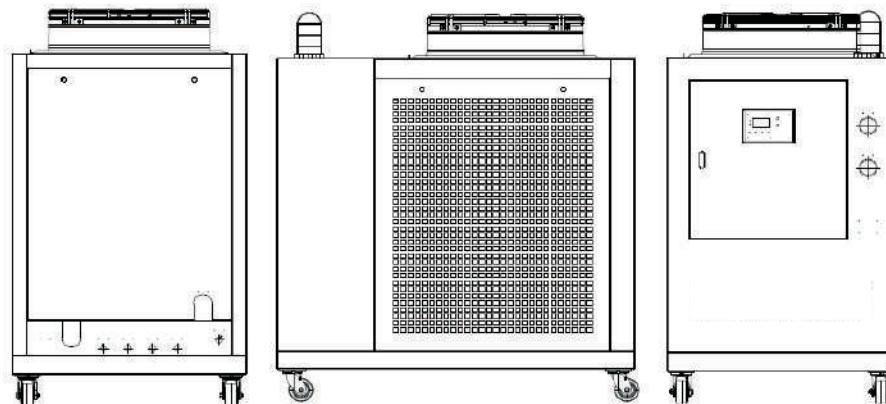
DWCS/DSG/258 - SS AIR COOLED  
PHYSICAL DATA

Cooling Capacity	kcal/h	31500
	BTU/h	125200
	Nominal Capacity	RT
	Outlet Water Temp.	°C
	Condensation Temp.	°C
	Power Supply	3PH-415V-50HZ
Max Amp	A	24
Total Power Input	HP	18
Power Supply Cable Diameter	mm <sup>2</sup>	AWG 11
Safety Protection Device	Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection	
Refrigerant	Type	R410A
	Charge	Lbs
Compressor	Start Mode	Direct start
	Type	Scroll Type
	Qty	1
	HP	15
	RLA (Rated Load Amp)	16.7
	LRA(Locked Rotor Amp)	125
Fan	Qty	1
	Type	External Rotar Axial Fan
	Power	HP
	Current	A
	LRA	A
	Volume Air Flow	CFM
Condenser	Type	MCHE
	Subcooling	K
	Heat Rejection	BTU/h
Evaporator	Type	SS304 Shell and Cu Tubes
	Superheat	K
	Heat Rejection	BTU/h
	Cooled Water Flow	GPM
	Water Pressure Drop	PSI
	Energy Adjust Mode	100%-0%
Throttling Device	Mode	thermal expansion valve
Pipe	Water Outlet	MNPT 2"
	Water Inlet	MNPT 2"

Water Pump	Flow	LPM	105
	Head	PSI	46.4
	LRA	A	13.2
	Power	HP	1.50
Water Tank	Capacity	LTR.	150
Sound Pressure at 1 meter	DBA		72
Programming Controller	Display	LCD display	
	Controller	microcomputer controller	
	Temp Control Range °C	+41 ~ +95	
	Temp Control Accuracy °C	±3.6	
Dimensions	inches (LxWxH)		59x37x67
Weight	KG		370(For Reference)

#### NOTES:

- 1 Cooling capacity based on 5°C(41°C) leaving coolant and 35°C(95°C) ambient air.  
Chilled water work allowed temperature range: 5 °C~35°C (41°F ~95°F).
- 2 Chilled water in and out temperature difference: 3 °C ~ 8°C (5.4°C ~ 14.4°C);  
Allowed ambient temperature range: -20°C ~ 40°C (-4°C ~ 104°C).
- 3 Power supply: 3PH-415V-50HZ , Allowing the voltage fluctuate ±10%, allow phase voltage difference ±2%, Allow the frequency range ±0.2Hz.



## GA DRAWING

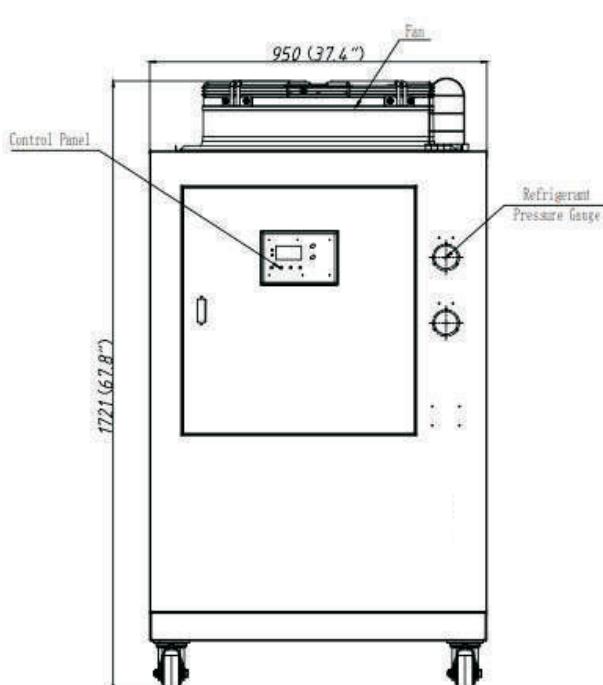
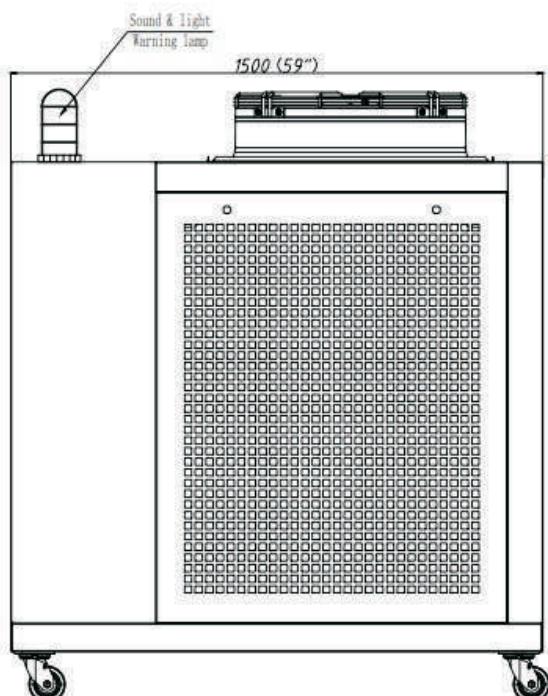
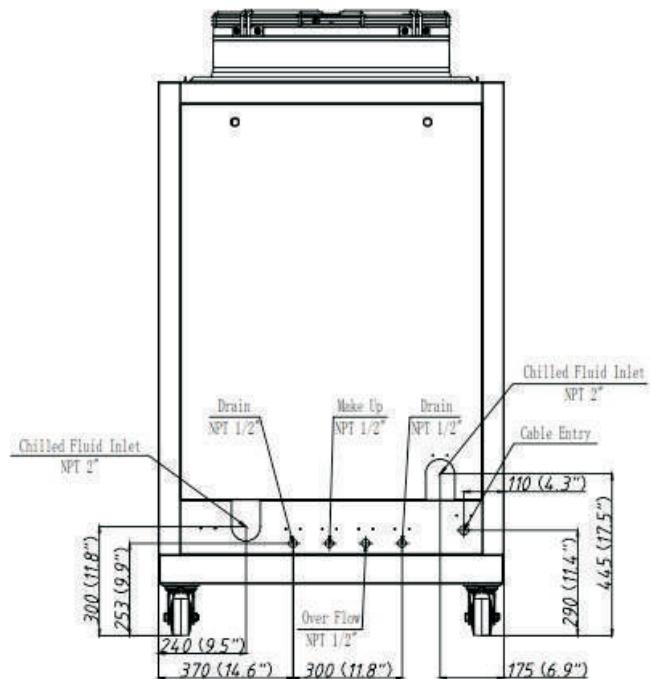
### CAPACITY - 10 TR AIR COOLED WATER CHILLER

DWCS/DSG/258 - SS AIR COOLED

DATE : 11/06/2023

SIGN

DRN	Kapil Sharma
DSGN	.
CHKD	Vatsal Verma
APPD	.



**CAPACITY - 15 TR AIR COOLED WATER CHILLER**

DWCS/DSG/296 - SS AIR COOLED  
PHYSICAL DATA

Cooling Capacity	kcal/h		46500
	BTU/h		184800
	Nominal Capacity	RT	15.4
	Outlet Water Temp.	°C	10
	Condensation Temp.	°C	50
	Power Supply		3PH-415V-50HZ
	Max Amp	A	40
	Total Power Input	HP	30
	Power Supply Cable Diameter	mm <sup>2</sup>	AWG 7
Safety Protection Device		Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection	
Refrigerant	Type		R410A
	Charge	Lbs	15.0
Compressor	Start Mode		Direct start
	Type		Scroll Type
	Qty		2
	HP		12x2
	RLA (Rated Load Amp)		13.5x2
	LRA(Locked Rotor Amp)		130x2
Fan	Qty		2
	Type		External Rotar Axial Fan
	Power	HP	1.13x2
	Current	A	1.3x2
	LRA	A	8x2
	Volume Air Flow	CFM	15882
Condenser	Type		MCHE
	Subcooling	K	2
	Heat Rejection	BTU/h	255000
Evaporator	Type		SS304 Shell and Cu Tubes
	Superheat	K	7
	Heat Rejection	BTU/h	184,800
	Cooled Water Flow	GPM	41
	Water Pressure Drop	PSI	12
Energy Adjust Mode		100%-50%-0%	
Throttling Device	Mode		thermal expansion valve
Pipe	Water Outlet		MNPT 2"
	Water Inlet		MNPT 2"

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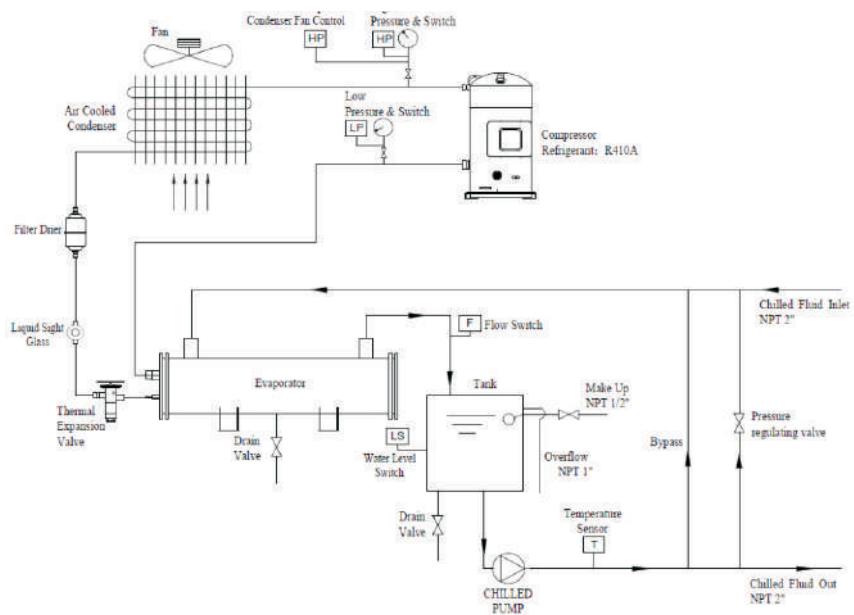
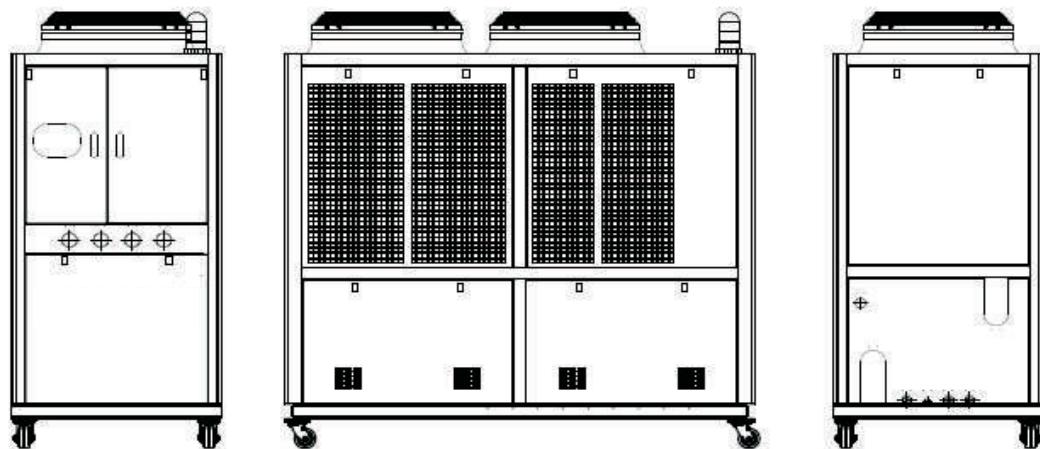
[www.drycoolchillers.com](http://www.drycoolchillers.com)

TOLL FREE CUSTOMER CARE NO. 9811657548

Water Pump	Flow	LPM	156
	Head	PSI	72.0
	LRA	A	36.50
	Power	HP	4.00
Water Tank	Capacity	LTR.	250
Sound Pressure at 1 meter	DBA		72
Programming Controller	Display	LCD display	
	Controller	microcomputer controller	
	Temp Control Range °C	+41 ~ +95	
	Temp Control Accuracy °C	±3.6	
Dimensions	inches (LxWxH)		88x39x87
Weight	KG		520(For Reference)

NOTES:

- 1 Cooling capacity based on 5°C(41°C) leaving coolant and 35°C(95°C) ambient air.  
Chilled water work allowed temperature range: 5 °C~35°C (41°F ~95°F).
- 2 Chilled water in and out temperature difference: 3 °C ~ 8°C (5.4°C ~ 14.4°C);  
Allowed ambient temperature range: -20 °C ~ 40°C (-4°C ~ 104°C).
- 3 Power supply: 3PH-415V-50HZ , Allowing the voltage fluctuate ±10%, allow phase voltage difference ±2%, Allow the frequency range ±0.2Hz.



### GA DRAWING

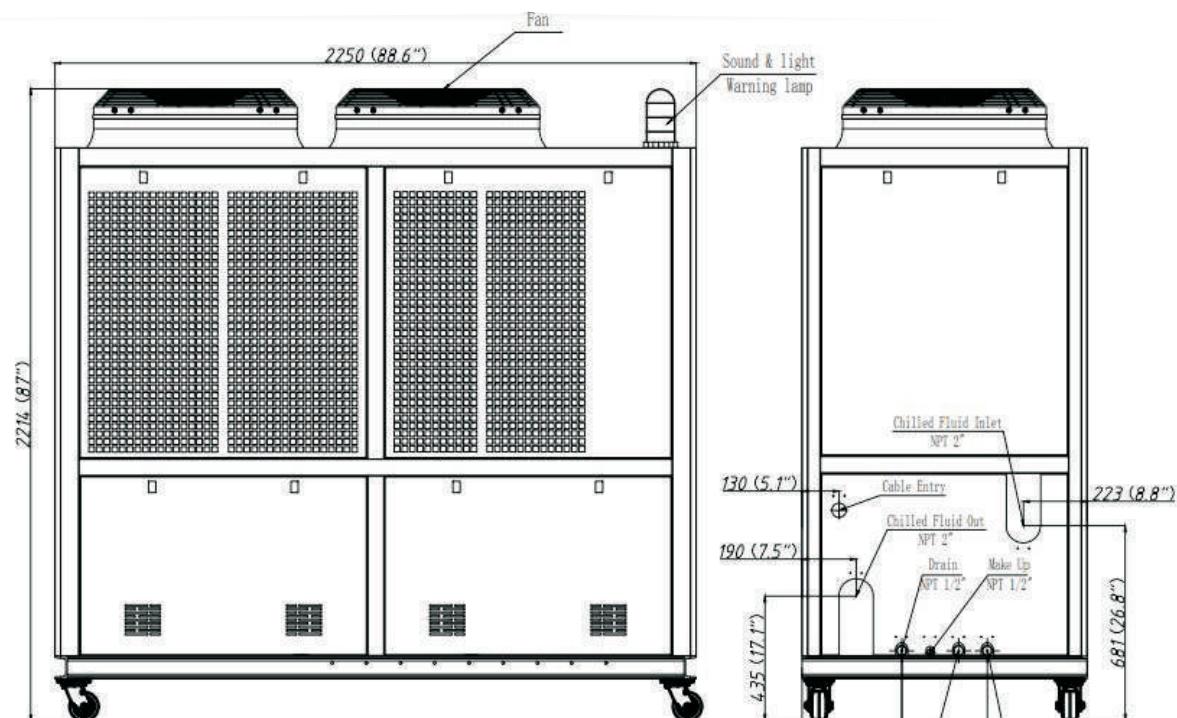
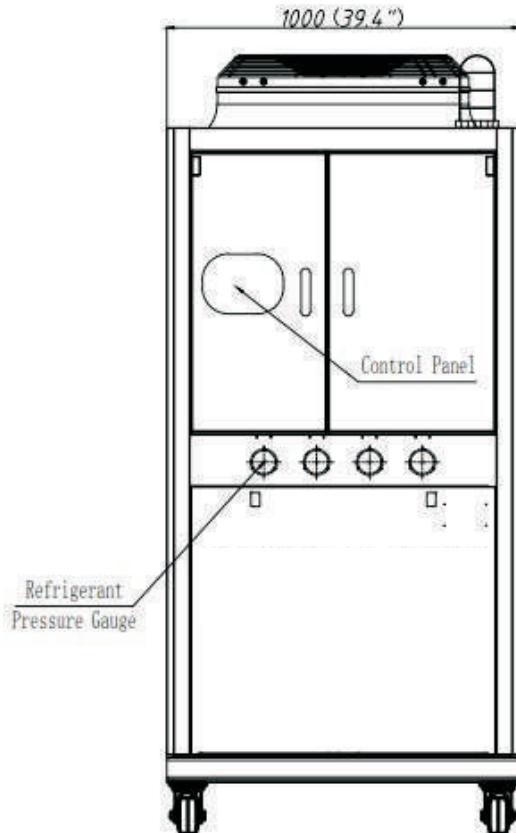
**CAPACITY - 15 TR AIR COOLED WATER CHILLER**

DWCS/DSG/296 - SS AIR COOLED

DATE : 11/06/2023

SIGN

DRN	Kapil Sharma
DSGN	.
CHKD	Vatsal Verma
APPD	.



**CAPACITY - 20 TR AIR COOLED WATER CHILLER**

DWCS/DSG/351 - SS AIR COOLED

**PHYSICAL DATA**

Cooling Capacity	kcal/h	63100
	BTU/h	250400
	Nominal Capacity	RT
	Outlet Water Temp.	°C
	Condensation Temp.	°C
Power Supply		3PH-415V-50HZ
Max Amp	A	45
Total Power Input	HP	36
Power Supply Cable Diameter	mm <sup>2</sup>	AWG 7
Safety Protection Device		Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type	R410A
	Charge	Lbs
Compressor	Start Mode	Direct start
	Type	Scroll Type
	Qty	2
	HP	15x2
	RLA (Rated Load Amp)	16.7x2
	LRA(Locked Rotor Amp)	125x2
Fan	Qty	2
	Type	External Rotar Axial Fan
	Power	HP
	Current	A
	LRA	A
	Volume Air Flow	CFM
Condenser	Type	MCHE
	Subcooling	K
	Heat Rejection	BTU/h
Evaporator	Type	SS304 Shell and Cu Tubes
	Superheat	K
	Heat Rejection	BTU/h
	Cooled Water Flow	GPM
	Water Pressure Drop	PSI
Energy Adjust Mode		100%-50%-0%
Throttling Device	Mode	thermal expansion valve
Pipe	Water Outlet	MNPT 2"
	Water Inlet	MNPT 2"

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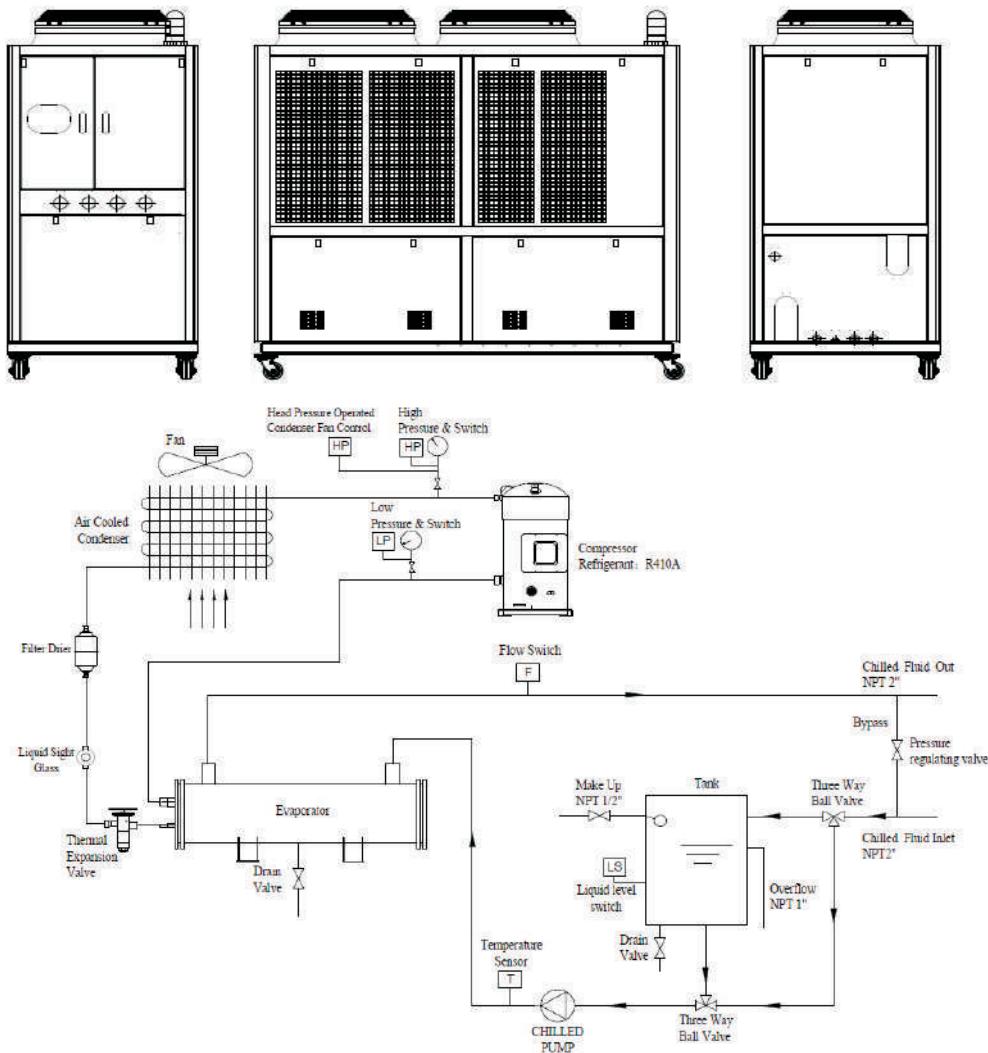
[www.drycoolchillers.com](http://www.drycoolchillers.com)

**TOLL FREE CUSTOMER CARE NO. 9811657548**

Water Pump	Flow	LPM	210
	Head	PSI	68.0
	LRA	A	36.5
	Power	HP	4.00
Water Tank	Capacity	LTR.	250
Sound Pressure at 1 meter	DBA		74
Programming Controller	Display	LCD display	
	Controller	microcomputer controller	
	Temp Control Range °C	+41 ~+95	
	Temp Control Accuracy °C	±3.6	
Dimensions	inches (LxWxH)		88x39x87
Weight	KG.		520(For Reference)

#### NOTES:

- 1 Cooling capacity based on 5°C(41°C) leaving coolant and 35°C(95°C) ambient air.
- 2 Chilled water work allowed temperature range: 5 °C~35°C (41°F ~95°F).  
Chilled water in and out temperature difference: 3 °C ~ 8°C (5.4°C ~ 14.4°C);  
Allowed ambient temperature range: -20 °C ~ 40°C (-4°C ~ 104°C).
- 3 Power supply: 3PH-415V-50HZ , Allowing the voltage fluctuate ±10%, allow phase voltage difference ±2%, Allow the frequency range ±0.2Hz.



## GA DRAWING

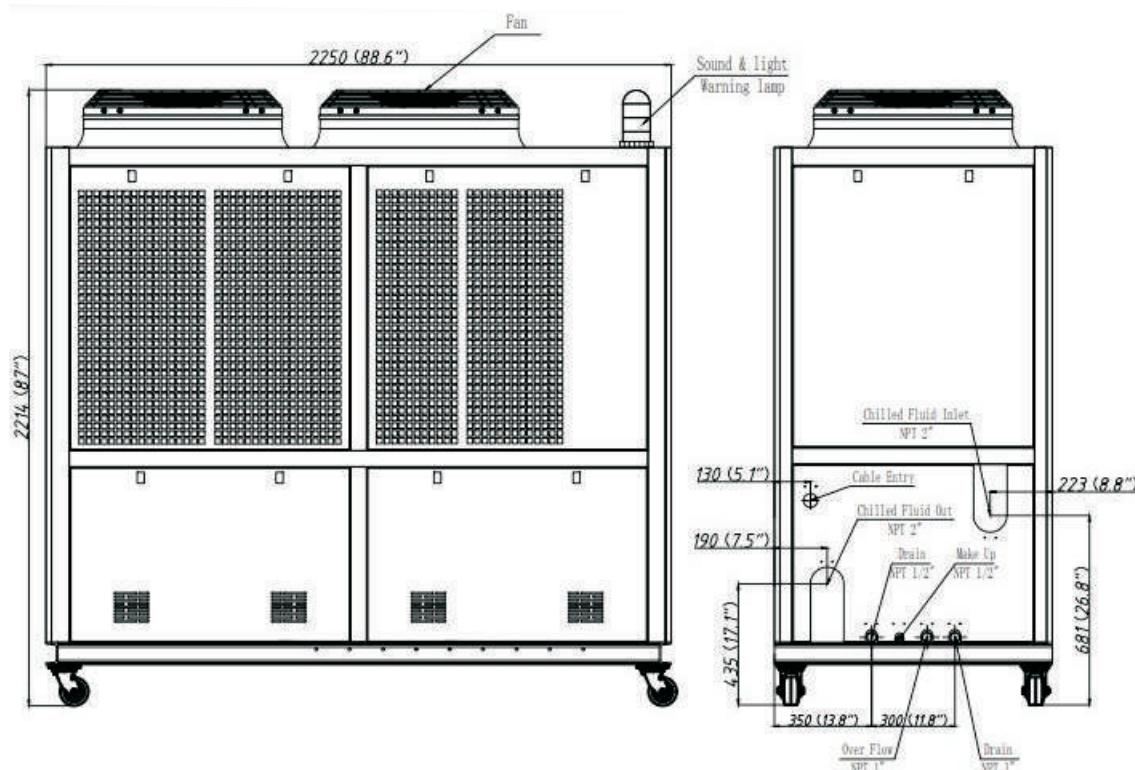
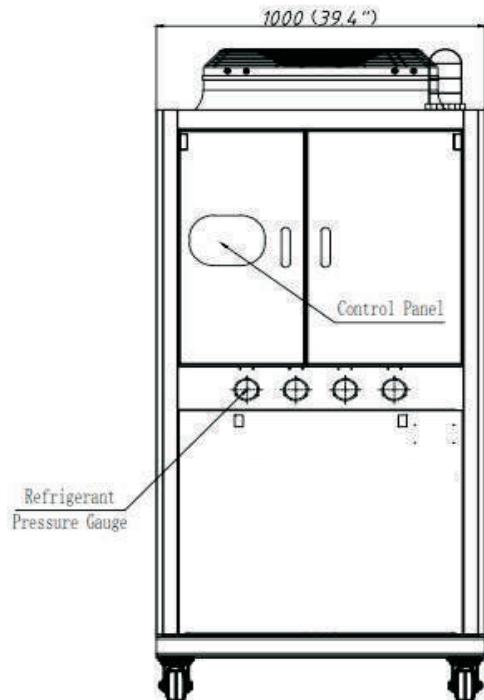
### CAPACITY - 20 TR AIR COOLED WATER CHILLER

DWCS/DSG/351 - SS AIR COOLED

DATE : 11/06/2023

SIGN

DRN	Kapil Sharma
DSGN	.
CHKD	Vatsal Verma
APPD	.



**CAPACITY - 30 TR AIR COOLED WATER CHILLER**

DWCS/DSG/491 - SS AIR COOLED

**PHYSICAL DATA**

Cooling Capacity	kcal/h	93200
	BTU/h	369900
	Nominal Capacity	RT
	Outlet Water Temp.	°C
	Condensation Temp.	°C
Power Supply		3PH-415V-50HZ
Max Amp	A	83
Total Power Input	HP	67
Power Supply Cable Diameter	mm <sup>2</sup>	3x35+2x16
Safety Protection Device		Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type	R410A
	Charge	Lbs
Compressor	Start Mode	Direct start
	Type	Scroll Type
	Qty	4
	HP	13.5x4
	RLA (Rated Load Amp)	15.1x4
	LRA(Locked Rotor Amp)	125x4
Fan	Qty	4
	Type	External Rotar Axial Fan
	Power	HP
	Current	A
	LRA	A
	Volume Air Flow	CFM
Condenser	Type	MCHE
	Subcooling	K
	Heat Rejection	BTU/h
Evaporator	Type	SS304 Shell and Cu Tubes
	Superheat	K
	Heat Rejection	BTU/h
	Cooled Water Flow	GPM
	Water Pressure Drop	PSI
Energy Adjust Mode		100%-50%-25%-0%
Throttling Device	Mode	thermal expansion valve
Pipe	Water Outlet	MNPT 3"
	Water Inlet	MNPT 3"

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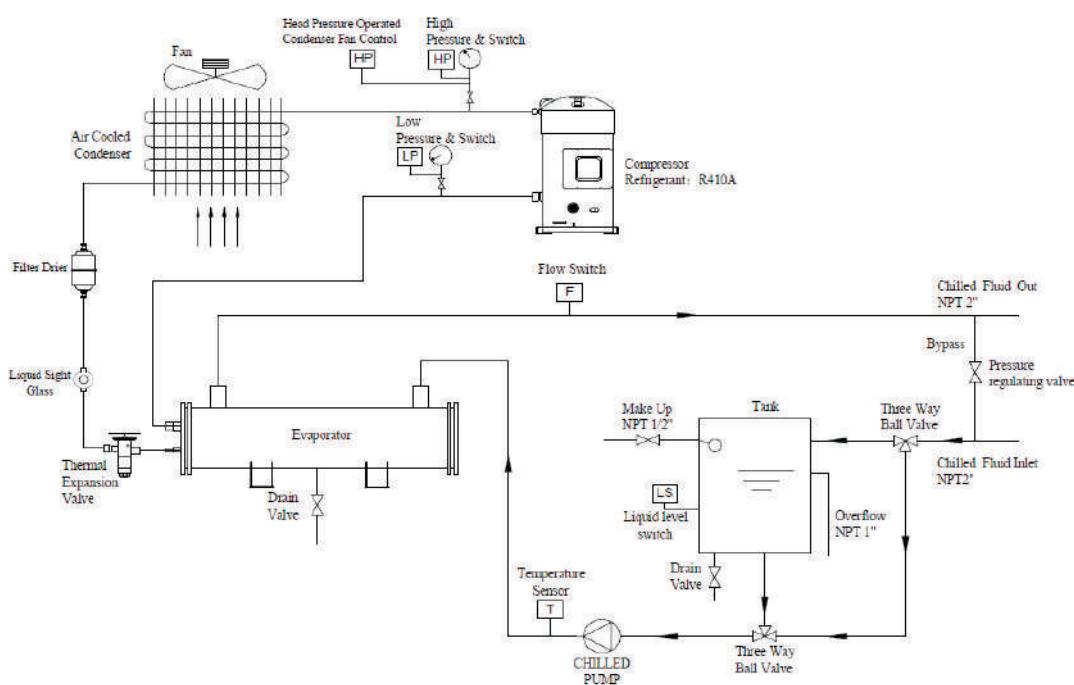
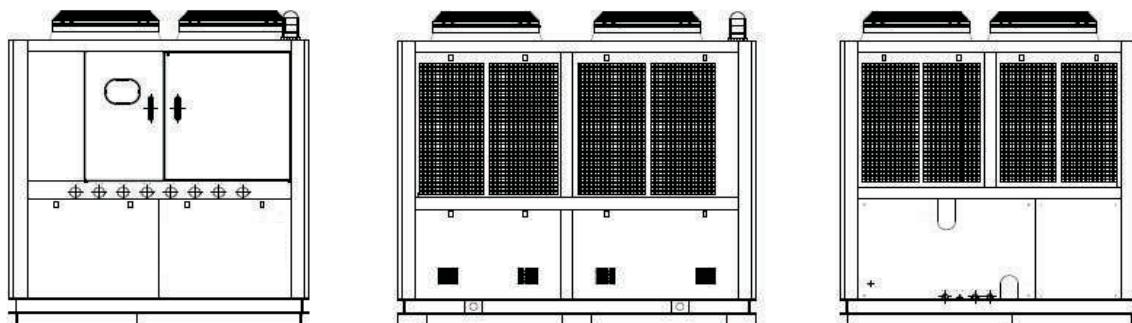
**www.drycoolchillers.com**

**TOLL FREE CUSTOMER CARE NO. 9811657548**

Water Pump	Flow	LPM	310
	Head	PSI	50.8
	LRA	A	48.6
	Power	HP	5.50
Water Tank	Capacity	LTR.	350
Sound Pressure at 1 meter	DBA		75
Programming Controller	Display	LCD display	
	Controller	microcomputer controller	
	Temp Control Range °C	+41 ~+95	
	Temp Control Accuracy °C	±3.6	
Dimensions	inches (LxWxH)		94x78x86
Weight	KG		1348(For Reference)

#### NOTES:

- 1 Cooling capacity based on 5°C(41°C) leaving coolant and 35°C(95°C) ambient air.
- 2 Chilled water work allowed temperature range: 5 °C~35°C (41°F ~95°F).  
Chilled water in and out temperature difference: 3 °C ~ 8°C (5.4°C ~ 14.4°C);  
Allowed ambient temperature range: -20 °C ~ 40°C (-4°C ~ 104°C).
- 3 Power supply: 3PH-415V-50HZ , Allowing the voltage fluctuate ±10%, allow phase voltage difference ±2%, Allow the frequency range ±0.2Hz.



## GA DRAWING

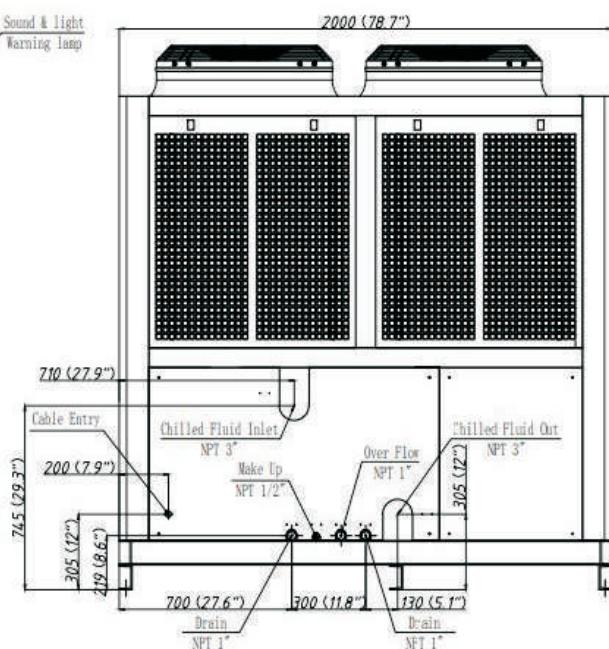
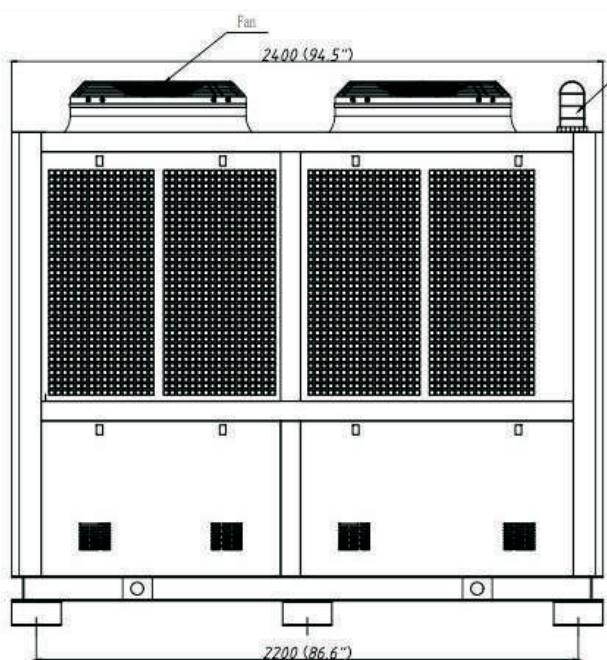
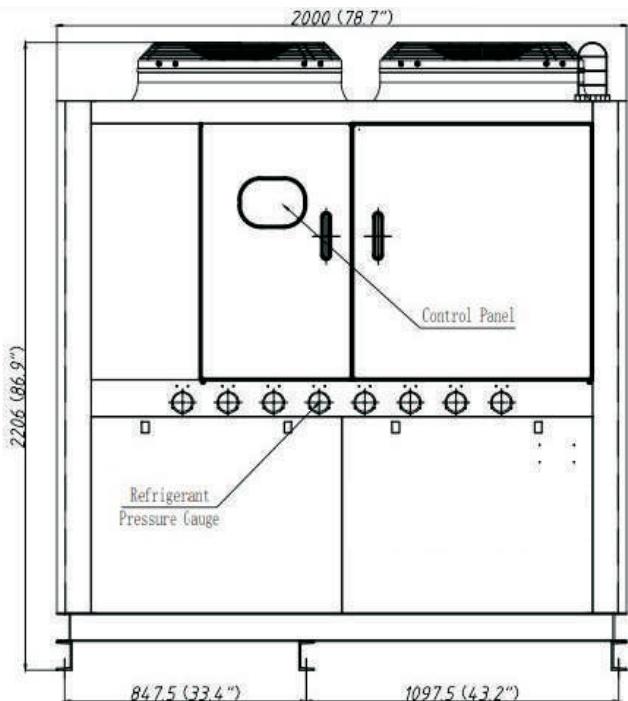
**CAPACITY - 30 TR AIR COOLED WATER CHILLER**

DWCS/DSG/491 - SS AIR COOLED

DATE : 11/06/2023

SIGN

DRN	Kapil Sharma
DSGN	.
CHKD	Vatsal Verma
APPD	.



**CAPACITY - 40 TR AIR COOLED WATER CHILLER**

DWCS-40AC - SS AIR COOLED

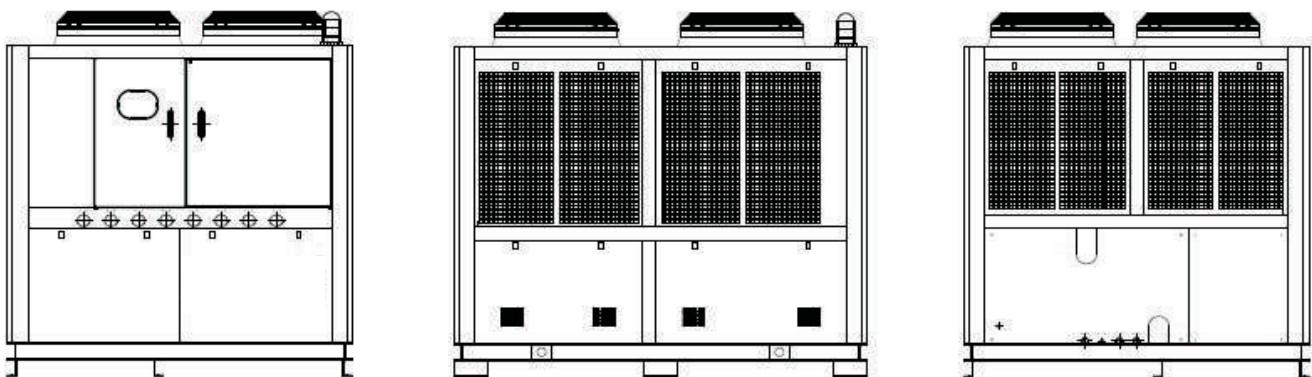
PHYSICAL DATA

Cooling Capacity	kcal/h	126200
	BTU/h	500900
	Nominal Capacity	RT
	Outlet Water Temp.	°C
	Condensation Temp.	°C
Power Supply		3PH-415V-50HZ
Max Amp	A	90
Total Power Input	HP	75
Power Supply Cable Diameter	mm <sup>2</sup>	3x35+2x10
Safety Protection Device		Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type	R410A
	Charge	Lbs
Compressor	Start Mode	Direct start
	Type	Scroll Type
	Qty	4
	HP	15x4
	RLA (Rated Load Amp)	16.7x4
	LRA(Locked Rotor Amp)	125x4
Fan	Qty	4
	Type	External Rotar Axial Fan
	Power	HP
	Current	A
	LRA	A
	Volume Air Flow	CFM
Condenser	Type	MCHE
	Subcooling	K
	Heat Rejection	BTU/h
Evaporator	Type	SS304 Shell and Cu Tubes
	Superheat	K
	Heat Rejection	BTU/h
	Cooled Water Flow	GPM
	Water Pressure Drop	PSI
Energy Adjust Mode		100%-50%-25%-0%
Throttling Device	Mode	thermal expansion valve
Pipe	Water Outlet	MNPT 3"
	Water Inlet	MNPT 3"

Water Pump	Flow	LPM	423
	Head	PSI	65.0
	LRA	A	66
	Power	HP	7.50
Water Tank	Capacity	LTR.	500
Sound Pressure at 1 meter	DBA		75
Programming Controller	Display		LCD display
	Controller		microcomputer controller
	Temp Control Range °C		+41 ~+95
	Temp Control Accuracy °C		±3.6
Dimensions	inches (LxWxH)		94x78x86
Weight	KG		1376(For Reference)

NOTES:

- 1 Cooling capacity based on 5°C(41°C) leaving coolant and 35°C(95°C) ambient air.
- 2 Chilled water work allowed temperature range: 5 °C~35°C (41°F ~95°F).  
Chilled water in and out temperature difference: 3 °C ~ 8°C (5.4°C ~ 14.4°C);  
Allowed ambient temperature range: -20 °C ~ 40°C (-4°C ~ 104°C).
- 3 Power supply: 3PH-415V-50HZ , Allowing the voltage fluctuate ±10%, allow phase voltage difference ±2%, Allow the frequency range ±0.2Hz.



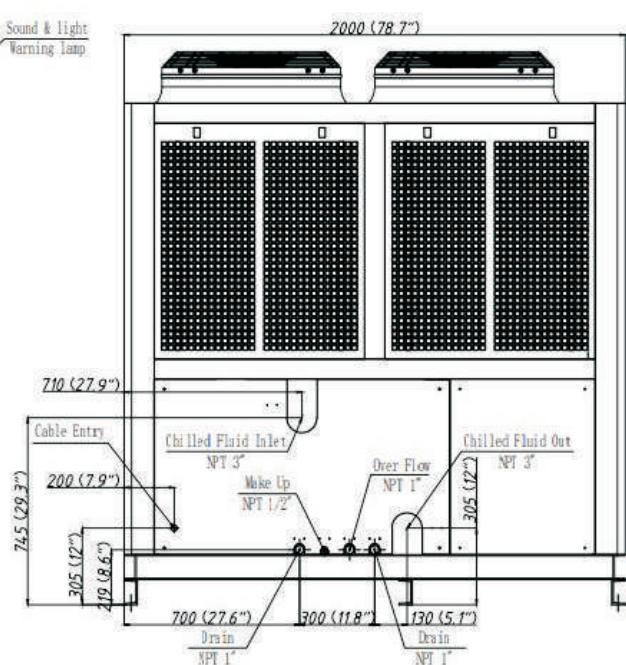
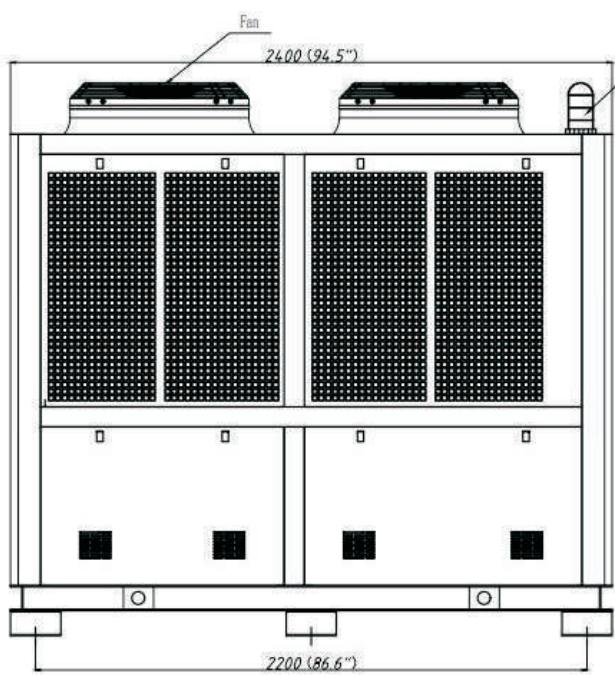
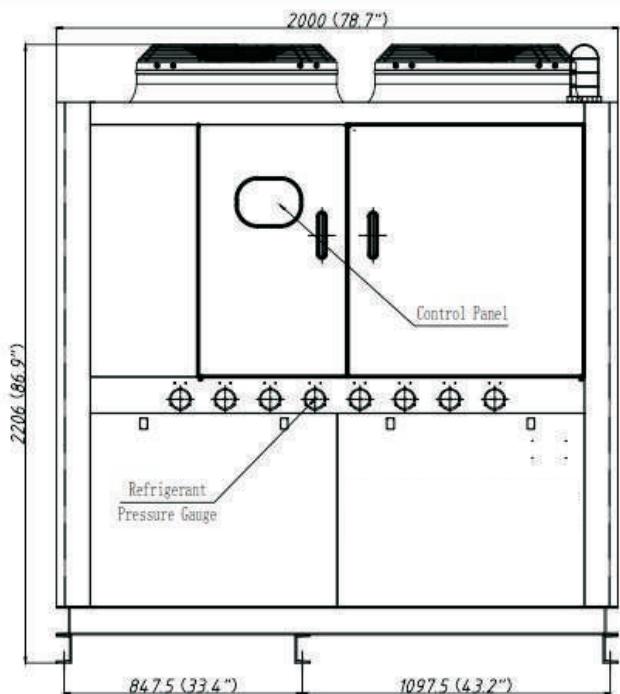
## GA DRAWING

**CAPACITY - 40 TR AIR COOLED WATER CHILLER**

DATE : 11/06/2023

SIGN

DRN	Kapil Sharma
DSGN	.
CHKD	Vatsal Verma
APPD	.





ISO 9001-2015 Company

# **DRYCOOL Systems India (P) Ltd**

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