

GA10(D)-A-PP-HYD

The Gladiator Hydra specification provides ultimate level of protection for processes that are mission critical for your organisation.



KEY FEATURES

- > Built with world-market-leading component brands such as Emerson and Danfoss compressors and Schneider electrics.
- > Includes redundant refrigeration circuit and water pumps to minimise impact of any service outages
- > Laden with safety features, such as phase failure protection, flow meter alarm protection, high and low pressure protection, included as a standard feature in all Hydra Series chillers.
- > Hydrophilic-coated aluminium condenser fins with an optional upgrade e-coating option for additional corrosion protection.
- > Easy to read and use PCB which provides advanced information such as flow rates, pressures and temperatures.
- > Efficient brazed plate evaporator
- > Manually controlled water bypass valve to reduce water flow to suit applications.
- > Supports remote start/stop/on/off, remote alarm signal output, and remote run signal.
- > Designed for and tested in Australian conditions

SPECIFICATIONS

Model	GA10(D)-A-PP-HYD	
Cooling Capacity	kW	23
Input Power	kW	11
	Power	3PH/415V/50HZ
Current Draw (A)	Operation	23
	Maximum	43
Refrigerant	Type	R134a
	Charge (kg)	7.2
	Control Method	Expansion Valve
Compressor	Type	Scroll
	Number in Chiller	2
	Brand	Danfoss
	Power (kW)	3.8
Condensor	Type	Hydrophilic Aluminium fin with low noise rotor fan
	Cooling air flow	4600
Evaporator	Type	Plate Pack
	Tank Volume (L)	85
	Inlet/outlet Pipe	1-1/2"
Water Pump Standard Option Stainless Steel #304 Pump / Pipes	Avail Lift (m)	34
	Flow Rate (L/s)	2.23
	Model	CHLF8-40 x2
Dimensions and Weight	Length (mm)	1415
	Width (mm)	1220
	Height (mm)	1670
	Weight (Kg)	520

BENEFITS

- Using the advanced PCB, multi-chiller control options are available that allow benefits such as redundancy, control, remote start / stop and performance monitoring
- Internal buffer tanks ensure that temperature remains consistent under varying loads.
- Internal buffer tank ensures that temperature remains consistent under varying loads.
- Dual integrated internal process pump ensures redundancy in case of failure.
- Dual refrigeration circuits minimises impact in case of any service interventions, protecting your process
- Extensive parameter settings to suit a variety of applications.

SAFETY FEATURES

- Compressor internal protectors respond to over-current and overheating
- High- and Low-Pressure Protection
- Temperature Protection via High and Low Alarm
- Flow Meter Protection
- Phase Sequence or Missing Phase Protection
- Low Water Level Alarm Protection

NOTES

1. Nominal cooling capacity is calculated with 7°C chilled-water supply and 35°C inlet cooling air temperature at system flow rate and pressure
2. Working conditions:
 - Recommended temperature range of chilled fluid: 3°C and 25°C. Use of glycol recommended for set points under 3°C.
 - Temperature difference between inlet and outlet chilled fluid between 3°C and 10°C
 - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
4. The flow rate is the nominal flow rate at the available lift. The actual flow rate will depend on the load requirement and the pump curve. Upgraded pump available on request.
5. Errors and Omissions Excepted.

Quality Assured

All Aqua Chiller systems are tested throughout the manufacturing process followed by a substantial and comprehensive test upon completion and again before dispatch. Coupled with the world's most trusted component brands, Aqua Cooler's products are designed and built to last in Australian conditions.



Online: www.aquacooler.com
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**AQUA
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HYDRA SERIES



GA10(D)-410-PP-HYD

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SPECIFICATIONS

Model	GA10(D)-410-PP-HYD	
Cooling Capacity	kW	27
Input Power	kW	12
	Power	3PH/415V/50HZ
Current Draw (A)	Operation	21
	Maximum	35
Refrigerant	Type	R410A
	Charge (kg)	6.0
	Control Method	Expansion Valve
Compressor	Type	Scroll
	Number in Chiller	2
	Brand	Panasonic
	Power (kW)	4.1
Condensor	Type	Hydrophilic Aluminium fin with low noise rotor fan
	Cooling air flow	4600
Evaporator	Type	Plate Pack
	Tank Volume (L)	85
	Inlet/outlet Pipe	1-1/2"
Water Pump Standard Option Stainless Steel #304 Pump / Pipes	Avail Lift (m)	34
	Flow Rate (L/s)	2.23
	Model	CHLF8-40 x2
Dimensions and Weight	Length (mm)	1415
	Width (mm)	1220
	Height (mm)	1670
	Weight (Kg)	470

BENEFITS

- Using the advanced PCB, multi-chiller control options are available that allow benefits such as redundancy, control, remote start / stop and performance monitoring
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GA15(D)-A-PP-HYD

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SPECIFICATIONS

Model	GA15(D)-A-PP-HYD	
Cooling Capacity	kW	32
Input Power	kW	16
	Power	3PH/415V/50HZ
Current Draw (A)	Operation	34
	Maximum	67
Refrigerant	Type	R134a
	Charge (kg)	12
	Control Method	Expansion Valve
Compressor	Type	Scroll
	Number in Chiller	2
	Brand	Danfoss
	Power (kW)	5.2
Condensor	Type	Hydrophilic Aluminium fin with low noise rotor fan
	Cooling air flow	9000
Evaporator	Type	Plate Pack
	Tank Volume (L)	145
	Inlet/outlet Pipe	2"
Water Pump Standard Option Stainless Steel #304 Pump / Pipes	Avail Lift (m)	43
	Flow Rate (L/s)	2.78
	Model	CDMF10-5 x2
Dimensions and Weight	Length (mm)	1965
	Width (mm)	1560
	Height (mm)	1880
	Weight (Kg)	920

BENEFITS

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 - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
4. The flow rate is the nominal flow rate at the available lift. The actual flow rate will depend on the load requirement and the pump curve. Upgraded pump available on request.
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SPECIFICATIONS

Model	GA18(D)-A-PP-HYD	
Cooling Capacity	kW	38
Input Power	kW	22
	Power	3PH/415V/50HZ
Current Draw (A)	Operation	44
	Maximum	80
Refrigerant	Type	R134a
	Charge (kg)	12
	Control Method	Expansion Valve
Compressor	Type	Scroll
	Number in Chiller	2
	Brand	Danfoss
	Power (kW)	6.4
Condensor	Type	Hydrophilic Aluminium fin with low noise rotor fan
	Cooling air flow	9000
Evaporator	Type	Plate Pack
	Tank Volume (L)	170
	Inlet/outlet Pipe	2"
Water Pump Standard Option Stainless Steel #304 Pump / Pipes	Avail Lift (m)	47
	Flow Rate (L/s)	4.17
	Model	CDMF15-4 x2
Dimensions and Weight	Length (mm)	1965
	Width (mm)	1560
	Height (mm)	1880
	Weight (Kg)	1020

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 - Temperature difference between inlet and outlet chilled fluid between 3°C and 10°C
 - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
4. The flow rate is the nominal flow rate at the available lift. The actual flow rate will depend on the load requirement and the pump curve. Upgraded pump available on request.
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HYDRA SERIES



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SPECIFICATIONS

Model	GA15(D)-410-PP-HYD	
Cooling Capacity	kW	40
Input Power	kW	17
	Power	3PH/415V/50HZ
Current Draw (A)	Operation	32
	Maximum	59
Refrigerant	Type	R410A
	Charge (kg)	10
	Control Method	Expansion Valve
Compressor	Type	Scroll
	Number in Chiller	2
	Brand	Danfoss
	Power (kW)	5.9
Condensor	Type	Hydrophilic Aluminium fin with low noise rotor fan
	Cooling air flow	6400
Evaporator	Type	Plate Pack
	Tank Volume (L)	145
	Inlet/outlet Pipe	1-1/2"
Water Pump Standard Option Stainless Steel #304 Pump / Pipes	Avail Lift (m)	43
	Flow Rate (L/s)	2.78
	Model	CDMF10-5 x2
Dimensions and Weight	Length (mm)	1765
	Width (mm)	1560
	Height (mm)	1658
	Weight (Kg)	720

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 - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
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SPECIFICATIONS

Model	GA18(D)-410-PP-HYD	
Cooling Capacity	kW	46
Input Power	kW	22
	Power	3PH/415V/50HZ
Current Draw (A)	Operation	40
	Maximum	67
Refrigerant	Type	R410A
	Charge (kg)	10
	Control Method	Expansion Valve
Compressor	Type	Scroll
	Number in Chiller	2
	Brand	Danfoss
	Power (kW)	6.7
Condensor	Type	Hydrophilic Aluminium fin with low noise rotor fan
	Cooling air flow	6400
Evaporator	Type	Plate Pack
	Tank Volume (L)	170
	Inlet/outlet Pipe	2"
Water Pump Standard Option Stainless Steel #304 Pump / Pipes	Avail Lift (m)	47
	Flow Rate (L/s)	4.17
	Model	CDMF15-4 x2
Dimensions and Weight	Length (mm)	1965
	Width (mm)	1560
	Height (mm)	1880
	Weight (Kg)	970

BENEFITS

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 - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
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SPECIFICATIONS

Model	GA20(D)-A-PP-HYD	
Cooling Capacity	kW	48
Input Power	kW	24
	Power	3PH/415V/50HZ
Current Draw (A)	Operation	49
	Maximum	86
Refrigerant	Type	R134a
	Charge (kg)	15
	Control Method	Expansion Valve
Compressor	Type	Scroll
	Number in Chiller	2
	Brand	Danfoss
	Power (kW)	7.8
Condenser	Type	Hydrophilic Aluminium fin with low noise rotor fan
	Cooling air flow	9000
Evaporator	Type	Plate Pack
	Tank Volume (L)	170
	Inlet/outlet Pipe	2"
Water Pump Standard Option	Avail Lift (m)	47
Stainless Steel #304 Pump / Pipes	Flow Rate (L/s)	4.17
	Model	CDMF15-4 x2
Dimensions and Weight	Length (mm)	1965
	Width (mm)	1560
	Height (mm)	1880
	Weight (Kg)	1120

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 - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
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Model	GA20(D)-410-PP-HYD	
Cooling Capacity	kW	53
Input Power	kW	24
	Power	3PH/415V/50HZ
Current Draw (A)	Operation	43
	Maximum	66
Refrigerant	Type	R410A
	Charge (kg)	12
	Control Method	Expansion Valve
Compressor	Type	Scroll
	Number in Chiller	2
	Brand	Danfoss
	Power (kW)	7.7
Condensor	Type	Hydrophilic Aluminium fin with low noise rotor fan
	Cooling air flow	9000
Evaporator	Type	Plate Pack
	Tank Volume (L)	170
	Inlet/outlet Pipe	2"
Water Pump Standard Option Stainless Steel #304 Pump / Pipes	Avail Lift (m)	47
	Flow Rate (L/s)	4.17
	Model	CDMF15-4 x2
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Quality Assured

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NOTES

1. Nominal cooling capacity is calculated with 7°C chilled-water supply and 35°C inlet cooling air temperature at system flow rate and pressure
2. Working conditions:
 - Recommended temperature range of chilled fluid: 3°C and 25°C. Use of glycol recommended for set points under 3°C.
 - Temperature difference between inlet and outlet chilled fluid between 3°C and 10°C
 - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
4. The flow rate is the nominal flow rate at the available lift. The actual flow rate will depend on the load requirement and the pump curve. Upgraded pump available on request.
5. Errors and Omissions Excepted.

Online: www.aquacooler.com
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GA25(D)-A-PP-HYD

The Gladiator Hydra specification provides ultimate level of protection for processes that are mission critical for your organisation.



KEY FEATURES

- > Built with world-market-leading component brands such as Emerson and Danfoss compressors and Schneider electrics.
- > Includes redundant refrigeration circuit and water pumps to minimise impact of any service outages
- > Laden with safety features, such as phase failure protection, flow meter alarm protection, high and low pressure protection, included as a standard feature in all Hydra Series chillers.
- > Hydrophilic-coated aluminium condenser fins with an optional upgrade e-coating option for additional corrosion protection.
- > Easy to read and use PCB which provides advanced information such as flow rates, pressures and temperatures.
- > Efficient brazed plate evaporator
- > Manually controlled water bypass valve to reduce water flow to suit applications.
- > Supports remote start/stop/on/off, remote alarm signal output, and remote run signal.
- > Designed for and tested in Australian conditions

SPECIFICATIONS

Model	GA25(D)-A-PP-HYD	
Cooling Capacity	kW	63
Input Power	kW	34
	Power	3PH/415V/50HZ
Current Draw (A)	Operation	64
	Maximum	122
Refrigerant	Type	R134a
	Charge (kg)	18
	Control Method	Expansion Valve
Compressor	Type	Scroll
	Number in Chiller	2
	Brand	Danfoss
	Power (kW)	10.8
Condensor	Type	Hydrophilic Aluminium fin with low noise rotor fan
	Cooling air flow	9600
Evaporator	Type	Plate Pack
	Tank Volume (L)	170
	Inlet/outlet Pipe	2"
Water Pump Standard Option Stainless Steel #304 Pump / Pipes	Avail Lift (m)	47
	Flow Rate (L/s)	4.17
	Model	CDMF15-4 x2
Dimensions and Weight	Length (mm)	2365
	Width (mm)	1800
	Height (mm)	2150
	Weight (Kg)	1370

BENEFITS

- Using the advanced PCB, multi-chiller control options are available that allow benefits such as redundancy, control, remote start / stop and performance monitoring
- Internal buffer tanks ensure that temperature remains consistent under varying loads.
- Internal buffer tank ensures that temperature remains consistent under varying loads.
- Dual integrated internal process pump ensures redundancy in case of failure.
- Dual refrigeration circuits minimises impact in case of any service interventions, protecting your process
- Extensive parameter settings to suit a variety of applications.

SAFETY FEATURES

- Compressor internal protectors respond to over-current and overheating
- High- and Low-Pressure Protection
- Temperature Protection via High and Low Alarm
- Flow Meter Protection
- Phase Sequence or Missing Phase Protection
- Low Water Level Alarm Protection

NOTES

1. Nominal cooling capacity is calculated with 7°C chilled-water supply and 35°C inlet cooling air temperature at system flow rate and pressure
2. Working conditions:
 - Recommended temperature range of chilled fluid: 3°C and 25°C. Use of glycol recommended for set points under 3°C.
 - Temperature difference between inlet and outlet chilled fluid between 3°C and 10°C
 - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
4. The flow rate is the nominal flow rate at the available lift. The actual flow rate will depend on the load requirement and the pump curve. Upgraded pump available on request.
5. Errors and Omissions Excepted.

Quality Assured

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**AQUA
CHILLER**

GA25(D)-410-PP-HYD

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KEY FEATURES

- > Built with world-market-leading component brands such as Emerson and Danfoss compressors and Schneider electrics.
- > Includes redundant refrigeration circuit and water pumps to minimise impact of any service outages
- > Laden with safety features, such as phase failure protection, flow meter alarm protection, high and low pressure protection, included as a standard feature in all Hydra Series chillers.
- > Hydrophilic-coated aluminium condenser fins with an optional upgrade e-coating option for additional corrosion protection.
- > Easy to read and use PCB which provides advanced information such as flow rates, pressures and temperatures.
- > Efficient brazed plate evaporator
- > Manually controlled water bypass valve to reduce water flow to suit applications.
- > Supports remote start/stop/on/off, remote alarm signal output, and remote run signal.
- > Designed for and tested in Australian conditions

SPECIFICATIONS

Model	GA25(D)-410-PP-HYD	
Cooling Capacity	kW	69
Input Power	kW	29
	Power	3PH/415V/50HZ
Current Draw (A)	Operation	52
	Maximum	86
Refrigerant	Type	R410A
	Charge (kg)	15
	Control Method	Expansion Valve
Compressor	Type	Scroll
	Number in Chiller	2
	Brand	Danfoss
	Power (kW)	10.3
Condensor	Type	Hydrophilic Aluminium fin with low noise rotor fan
	Cooling air flow	9000
Evaporator	Type	Plate Pack
	Tank Volume (L)	170
	Inlet/outlet Pipe	2"
Water Pump Standard Option Stainless Steel #304 Pump / Pipes	Avail Lift (m)	47
	Flow Rate (L/s)	4.17
	Model	CDMF15-4 x2
Dimensions and Weight	Length (mm)	1965
	Width (mm)	1560
	Height (mm)	1880
	Weight (Kg)	1170

BENEFITS

- Using the advanced PCB, multi-chiller control options are available that allow benefits such as redundancy, control, remote start / stop and performance monitoring
- Internal buffer tanks ensure that temperature remains consistent under varying loads.
- Internal buffer tank ensures that temperature remains consistent under varying loads.
- Dual integrated internal process pump ensures redundancy in case of failure.
- Dual refrigeration circuits minimises impact in case of any service interventions, protecting your process
- Extensive parameter settings to suit a variety of applications.

SAFETY FEATURES

- Compressor internal protectors respond to over-current and overheating
- High- and Low-Pressure Protection
- Temperature Protection via High and Low Alarm
- Flow Meter Protection
- Phase Sequence or Missing Phase Protection
- Low Water Level Alarm Protection

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NOTES

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2. Working conditions:
 - Recommended temperature range of chilled fluid: 3°C and 25°C. Use of glycol recommended for set points under 3°C.
 - Temperature difference between inlet and outlet chilled fluid between 3°C and 10°C
 - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
4. The flow rate is the nominal flow rate at the available lift. The actual flow rate will depend on the load requirement and the pump curve. Upgraded pump available on request.
5. Errors and Omissions Excepted.

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HYDRA SERIES



GA30(D)-A-PP-HYD

The Gladiator Hydra specification provides ultimate level of protection for processes that are mission critical for your organisation.

AQUA
COOLER

KEY FEATURES

- > Built with world-market-leading component brands such as Emerson and Danfoss compressors and Schneider electrics.
- > Includes redundant refrigeration circuit and water pumps to minimise impact of any service outages
- > Laden with safety features, such as phase failure protection, flow meter alarm protection, high and low pressure protection, included as a standard feature in all Hydra Series chillers.
- > Hydrophilic-coated aluminium condenser fins with an optional upgrade e-coating option for additional corrosion protection.
- > Easy to read and use PCB which provides advanced information such as flow rates, pressures and temperatures.
- > Efficient brazed plate evaporator
- > Manually controlled water bypass valve to reduce water flow to suit applications.
- > Supports remote start/stop/on/off, remote alarm signal output, and remote run signal.
- > Designed for and tested in Australian conditions

SPECIFICATIONS

Model	GA30(D)-A-PP-HYD	
Cooling Capacity	kW	79
Input Power	kW	39
	Power	3PH/415V/50HZ
Current Draw (A)	Operation	77
	Maximum	160
Refrigerant	Type	R134a
	Charge (kg)	24
	Control Method	Expansion Valve
Compressor	Type	Scroll
	Number in Chiller	2
	Brand	Danfoss
	Power (kW)	13.3
Condensor	Type	Hydrophilic Aluminium fin with low noise rotor fan
	Cooling air flow	13000
Evaporator	Type	Plate Pack
	Tank Volume (L)	220
	Inlet/outlet Pipe	2"
Water Pump Standard Option Stainless Steel #304 Pump / Pipes	Avail Lift (m)	47
	Flow Rate (L/s)	5.56
	Model	CDMF20-4 x2
Dimensions and Weight	Length (mm)	2365
	Width (mm)	1800
	Height (mm)	2150
	Weight (Kg)	1520

BENEFITS

- Using the advanced PCB, multi-chiller control options are available that allow benefits such as redundancy, control, remote start / stop and performance monitoring
- Internal buffer tanks ensure that temperature remains consistent under varying loads.
- Internal buffer tank ensures that temperature remains consistent under varying loads.
- Dual integrated internal process pump ensures redundancy in case of failure.
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- Extensive parameter settings to suit a variety of applications.

SAFETY FEATURES

- Compressor internal protectors respond to over-current and overheating
- High- and Low-Pressure Protection
- Temperature Protection via High and Low Alarm
- Flow Meter Protection
- Phase Sequence or Missing Phase Protection
- Low Water Level Alarm Protection

Quality Assured

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NOTES

1. Nominal cooling capacity is calculated with 7°C chilled-water supply and 35°C inlet cooling air temperature at system flow rate and pressure
2. Working conditions:
 - Recommended temperature range of chilled fluid: 3°C and 25°C. Use of glycol recommended for set points under 3°C.
 - Temperature difference between inlet and outlet chilled fluid between 3°C and 10°C
 - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
4. The flow rate is the nominal flow rate at the available lift. The actual flow rate will depend on the load requirement and the pump curve. Upgraded pump available on request.
5. Errors and Omissions Excepted.

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AQUA
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GA30(D)-410-PP-HYD

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- > Easy to read and use PCB which provides advanced information such as flow rates, pressures and temperatures.
- > Efficient brazed plate evaporator
- > Manually controlled water bypass valve to reduce water flow to suit applications.
- > Supports remote start/stop/on/off, remote alarm signal output, and remote run signal.
- > Designed for and tested in Australian conditions

SPECIFICATIONS

Model	GA30(D)-410-PP-HYD	
Cooling Capacity	kW	79
Input Power	kW	36
	Power	3PH/415V/50HZ
Current Draw (A)	Operation	66
	Maximum	99
Refrigerant	Type	R410A
	Charge (kg)	18
	Control Method	Expansion Valve
Compressor	Type	Scroll
	Number in Chiller	2
	Brand	Danfoss
	Power (kW)	11.7
Condensor	Type	Hydrophilic Aluminium fin with low noise rotor fan
	Cooling air flow	9600
Evaporator	Type	Plate Pack
	Tank Volume (L)	220
	Inlet/outlet Pipe	2"
Water Pump Standard Option Stainless Steel #304 Pump / Pipes	Avail Lift (m)	47
	Flow Rate (L/s)	5.56
	Model	CDMF20-4 x2
Dimensions and Weight	Length (mm)	2365
	Width (mm)	1800
	Height (mm)	2150
	Weight (Kg)	1420

BENEFITS

- Using the advanced PCB, multi-chiller control options are available that allow benefits such as redundancy, control, remote start / stop and performance monitoring
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- Dual integrated internal process pump ensures redundancy in case of failure.
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- Extensive parameter settings to suit a variety of applications.

SAFETY FEATURES

- Compressor internal protectors respond to over-current and overheating
- High- and Low-Pressure Protection
- Temperature Protection via High and Low Alarm
- Flow Meter Protection
- Phase Sequence or Missing Phase Protection
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NOTES

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2. Working conditions:
 - Recommended temperature range of chilled fluid: 3°C and 25°C. Use of glycol recommended for set points under 3°C.
 - Temperature difference between inlet and outlet chilled fluid between 3°C and 10°C
 - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
4. The flow rate is the nominal flow rate at the available lift. The actual flow rate will depend on the load requirement and the pump curve. Upgraded pump available on request.
5. Errors and Omissions Excepted.

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**AQUA
CHILLER**

GA35(D)-A-PP-HYD

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KEY FEATURES

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- > Easy to read and use PCB which provides advanced information such as flow rates, pressures and temperatures.
- > Efficient brazed plate evaporator
- > Manually controlled water bypass valve to reduce water flow to suit applications.
- > Supports remote start/stop/on/off, remote alarm signal output, and remote run signal.
- > Designed for and tested in Australian conditions

SPECIFICATIONS

Model	GA35(D)-A-PP-HYD	
Cooling Capacity	kW	100
Input Power	kW	44
	Power	3PH/415V/50HZ
Current Draw (A)	Operation	81
	Maximum	180
Refrigerant	Type	R134a
	Charge (kg)	24
	Control Method	Expansion Valve
Compressor	Type	Scroll
	Number in Chiller	2
	Brand	Danfoss
	Power (kW)	16.0
Condensor	Type	Hydrophilic Aluminium fin with low noise rotor fan
	Cooling air flow	13000
Evaporator	Type	Plate Pack
	Tank Volume (L)	240
	Inlet/outlet Pipe	2"
Water Pump Standard Option Stainless Steel #304 Pump / Pipes	Avail Lift (m)	47
	Flow Rate (L/s)	5.56
	Model	CDMF20-4 x2
Dimensions and Weight	Length (mm)	2365
	Width (mm)	1800
	Height (mm)	2150
	Weight (Kg)	1620

BENEFITS

- Using the advanced PCB, multi-chiller control options are available that allow benefits such as redundancy, control, remote start / stop and performance monitoring
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SAFETY FEATURES

- Compressor internal protectors respond to over-current and overheating
- High- and Low-Pressure Protection
- Temperature Protection via High and Low Alarm
- Flow Meter Protection
- Phase Sequence or Missing Phase Protection
- Low Water Level Alarm Protection

NOTES

1. Nominal cooling capacity is calculated with 7°C chilled-water supply and 35°C inlet cooling air temperature at system flow rate and pressure
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 - Temperature difference between inlet and outlet chilled fluid between 3°C and 10°C
 - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
4. The flow rate is the nominal flow rate at the available lift. The actual flow rate will depend on the load requirement and the pump curve. Upgraded pump available on request.
5. Errors and Omissions Excepted.

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