Engineering Data
Rev. 4 - 19/02/2014

Engineering Data PSH 030 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	180	200	224
Air Pressure Drop (bar)	0,16	0,20	0,24
Air Temperature at Dryer Outlet (°C)	23,0	23,6	24,1
Compressor Absorbed Power (kW)	0,53	0,54	0,56
Condenser Heat Rejected (kW)	1,37	1,44	1,51
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	2100 / 1		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	55		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Pistons / 1		
Refrigerant Quantity (kg)	0,68		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	1 1/4” BSP-T		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	703		
Height (mm)	945		
Depth (mm)	562		
Weight (kg)	83		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	230V/1ph/50Hz		
L.R.A. Current (Amps)	17,8		
F.L.A. Current (Amps)	4,2		
Total Installed Power (kW)	0,9		
Control Type	Electromechanical		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

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Engineering Data
Rev. 4 - 19/02/2014

Engineering Data PSH 045 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	270	298	334
Air Pressure Drop (bar)	0,33	0,39	0,48
Air Temperature at Dryer Outlet (°C)	22,1	22,9	23,5
Compressor Absorbed Power (kW)	0,55	0,56	0,58
Condenser Heat Rejected (kW)	1,89	1,96	2,07
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	2100 / 1		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	55		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Pistons / 1		
Refrigerant Quantity (kg)	0,68		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	1 1/4” BSP-T		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	703		
Height (mm)	945		
Depth (mm)	562		
Weight (kg)	83		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	230V/1ph/50Hz		
L.R.A. Current (Amps)	17,8		
F.L.A. Current (Amps)	4,2		
Total Installed Power (kW)	0,9		
Control Type	Electromechanical		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

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Engineering Data
Rev. 4 - 19/02/2014

Engineering Data PSH 065 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	390	441	499
Air Pressure Drop (bar)	0,22	0,27	0,34
Air Temperature at Dryer Outlet (°C)	24,1	24,7	25,1
Compressor Absorbed Power (kW)	1,33	1,36	1,39
Condenser Heat Rejected (kW)	3,01	3,17	3,36
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	1800 / 1		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	55		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Pistons / 1		
Refrigerant Quantity (kg)	1,1		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	1 1/4” BSP-T		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	703		
Height (mm)	945		
Depth (mm)	562		
Weight (kg)	83		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	230V/1ph/50Hz		
L.R.A. Current (Amps)	51		
F.L.A. Current (Amps)	10,6		
Total Installed Power (kW)	2,12		
Control Type	Electromechanical		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

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Engineering Data
Rev. 4 - 19/02/2014

Engineering Data PSH 090 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	540	608	691
Air Pressure Drop (bar)	0,31	0,38	0,48
Air Temperature at Dryer Outlet (°C)	23,0	23,6	24,2
Compressor Absorbed Power (kW)	1,37	1,40	1,44
Condenser Heat Rejected (kW)	3,88	4,11	4,36
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	1800 / 1		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	55		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Pistons / 1		
Refrigerant Quantity (kg)	1,1		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	1 1/4” BSP-T		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	703		
Height (mm)	945		
Depth (mm)	562		
Weight (kg)	83		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	230V/1ph/50Hz		
L.R.A. Current (Amps)	51		
F.L.A. Current (Amps)	10,6		
Total Installed Power (kW)	2,12		
Control Type	Electromechanical		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

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Engineering Data
Rev. 4 - 19/02/2014

Engineering Data PSH 120 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	720	808	907
Air Pressure Drop (bar)	0,13	0,16	0,19
Air Temperature at Dryer Outlet (°C)	24,0	24,6	25,1
Compressor Absorbed Power (kW)	1,41	1,41	1,42
Condenser Heat Rejected (kW)	4,53	4,76	4,99
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	2000 / 1		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	58		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Scroll / 1		
Refrigerant Quantity (kg)	2,2		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	1 1/4” BSP-T		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	706		
Height (mm)	1064		
Depth (mm)	1046		
Weight (kg)	152		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V/3ph/50Hz		
L.R.A. Current (Amps)	34,6		
F.L.A. Current (Amps)	5,24		
Total Installed Power (kW)	3,015		
Control Type	Electronic		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

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Engineering Data
Rev. 4 - 19/02/2014

Engineering Data PSH 160 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	960	1069	1201
Air Pressure Drop (bar)	0,21	0,25	0,31
Air Temperature at Dryer Outlet (°C)	23,5	24,0	24,6
Compressor Absorbed Power (kW)	1,43	1,44	1,45
Condenser Heat Rejected (kW)	5,75	6,05	6,39
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	2000 / 1		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	58		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Scroll / 1		
Refrigerant Quantity (kg)	2,2		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	1 1/4” BSP-T		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	706		
Height (mm)	1064		
Depth (mm)	1046		
Weight (kg)	152		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V/3ph/50Hz		
L.R.A. Current (Amps)	34,6		
F.L.A. Current (Amps)	5,24		
Total Installed Power (kW)	3,015		
Control Type	Electronic		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

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Engineering Data
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Engineering Data PSH 200 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	1200	1340	1500
Air Pressure Drop (bar)	0,30	0,37	0,45
Air Temperature at Dryer Outlet (°C)	23,1	23,6	24,2
Compressor Absorbed Power (kW)	1,47	1,48	1,49
Condenser Heat Rejected (kW)	7,05	7,45	7,83
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	2000 / 1		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	58		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Scroll / 1		
Refrigerant Quantity (kg)	2,2		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	1 1/4” BSP-T		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	706		
Height (mm)	1064		
Depth (mm)	1046		
Weight (kg)	152		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V/3ph/50Hz		
L.R.A. Current (Amps)	34,6		
F.L.A. Current (Amps)	5,24		
Total Installed Power (kW)	3,015		
Control Type	Electronic		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

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Engineering Data
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Engineering Data PSH 230 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	1380	1537	1729
Air Pressure Drop (bar)	0,38	0,46	0,57
Air Temperature at Dryer Outlet (°C)	22,8	23,4	23,9
Compressor Absorbed Power (kW)	1,52	1,54	1,56
Condenser Heat Rejected (kW)	8,07	8,50	9,04
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	2000 / 1		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	58		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Scroll / 1		
Refrigerant Quantity (kg)	2,2		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	1		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	1 1/4” BSP-T		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	706		
Height (mm)	1064		
Depth (mm)	1046		
Weight (kg)	152		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V/3ph/50Hz		
L.R.A. Current (Amps)	34,6		
F.L.A. Current (Amps)	5,24		
Total Installed Power (kW)	3,015		
Control Type	Electronic		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

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Engineering Data
Rev. 4 - 19/02/2014

Engineering Data PSH 290 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	1740	1943	2179
Air Pressure Drop (bar)	0,18	0,21	0,26
Air Temperature at Dryer Outlet (°C)	23,7	24,2	24,8
Compressor Absorbed Power (kW)	2,85	2,88	2,91
Condenser Heat Rejected (kW)	10,57	11,12	11,72
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	5600 / 1		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	58		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Scroll / 1		
Refrigerant Quantity (kg)	5,7		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	2		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	2 ½” ANSI 300		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	1007		
Height (mm)	1690		
Depth (mm)	1097		
Weight (kg)	356		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V/3ph/50Hz		
L.R.A. Current (Amps)	71,25		
F.L.A. Current (Amps)	13,55		
Total Installed Power (kW)	6,26		
Control Type	Electronic		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

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Engineering Data
Rev. 4 - 19/02/2014

Engineering Data PSH 380 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	2280	2563	2881
Air Pressure Drop (bar)	0,28	0,34	0,42
Air Temperature at Dryer Outlet (°C)	23,1	23,7	24,2
Compressor Absorbed Power (kW)	3,16	3,19	3,23
Condenser Heat Rejected (kW)	13,74	14,51	15,39
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	5600 / 1		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	58		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Scroll / 1		
Refrigerant Quantity (kg)	5,7		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	2		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	2 ½” ANSI 300		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	1007		
Height (mm)	1690		
Depth (mm)	1097		
Weight (kg)	356		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V/3ph/50Hz		
L.R.A. Current (Amps)	71,25		
F.L.A. Current (Amps)	13,55		
Total Installed Power (kW)	6,26		
Control Type	Electronic		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

Parker Hannifin Manufacturing S.r.l. – Registered Office / Sede Legale: via Privata Archimede 1, 20094 Corsico (MI) Italy
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Engineering Data
Rev. 4 - 19/02/2014

Engineering Data PSH 460 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	2760	3102	3486
Air Pressure Drop (bar)	0,38	0,47	0,57
Air Temperature at Dryer Outlet (°C)	23,6	24,1	24,7
Compressor Absorbed Power (kW)	3,44	3,47	3,52
Condenser Heat Rejected (kW)	16,54	17,49	18,60
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	5600 / 1		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	58		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Scroll / 1		
Refrigerant Quantity (kg)	5,7		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	2		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	2 ½” ANSI 300		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	1007		
Height (mm)	1690		
Depth (mm)	1097		
Weight (kg)	356		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V/3ph/50Hz		
L.R.A. Current (Amps)	71,25		
F.L.A. Current (Amps)	13,55		
Total Installed Power (kW)	6,26		
Control Type	Electronic		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

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Engineering Data
Rev. 4 - 19/02/2014

Engineering Data PSH 630 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	3780	4231	4732
Air Pressure Drop (bar)	0,33	0,40	0,49
Air Temperature at Dryer Outlet (°C)	23,0	23,6	24,1
Compressor Absorbed Power (kW)	4,12	4,15	4,17
Condenser Heat Rejected (kW)	21,81	22,98	24,32
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	11200 / 2		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	58		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Scroll / 1		
Refrigerant Quantity (kg)	5,45		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	3		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	2 ½” ANSI 300		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	1007		
Height (mm)	1690		
Depth (mm)	1657		
Weight (kg)	455		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V/3ph/50Hz		
L.R.A. Current (Amps)	106,75		
F.L.A. Current (Amps)	15,5		
Total Installed Power (kW)	7,36		
Control Type	Electronic		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
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Max / Min Air Inlet Temperature (°C): 65/30

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Engineering Data
Rev. 4 - 19/02/2014

Engineering Data PSH 800 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	4800	5140	5785
Air Pressure Drop (bar)	0,30	0,34	0,39
Air Temperature at Dryer Outlet (°C)	23,4	23,6	24,0
Compressor Absorbed Power (kW)	6,50	6,52	6,54
Condenser Heat Rejected (kW)	26,57	28,01	30,73
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	19000 / 2		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	58		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Scroll / 1		
Refrigerant Quantity (kg)	11		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	4		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	2 ½" ANSI 300		
Condensate Drain Inlet	1/2" BSP-F		
Condensate Drain Outlet**	1/4" BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	1007		
Height (mm)	1690		
Depth (mm)	1657		
Weight (kg)	610		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V/3ph/50Hz		
L.R.A. Current (Amps)	180,5		
F.L.A. Current (Amps)	29,7		
Total Installed Power (kW)	16,26		
Control Type	Electronic		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

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Engineering Data
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Engineering Data PSH 1000 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	6000	6425	7232
Air Pressure Drop (bar)	0,40	0,45	0,56
Air Temperature at Dryer Outlet (°C)	23,0	23,3	23,8
Compressor Absorbed Power (kW)	6,53	6,54	6,55
Condenser Heat Rejected (kW)	31,78	33,41	35,70
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	19000 / 2		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	58		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Scroll / 1		
Refrigerant Quantity (kg)	11		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	4		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	2 ½” ANSI 300		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	1007		
Height (mm)	1690		
Depth (mm)	1657		
Weight (kg)	610		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V/3ph/50Hz		
L.R.A. Current (Amps)	180,5		
F.L.A. Current (Amps)	29,7		
Total Installed Power (kW)	16,26		
Control Type	Electronic		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746
**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

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Engineering Data
Rev. 4 - 19/02/2014

Engineering Data PSH 1200 - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	7200	7710	8678
Air Pressure Drop (bar)	0,50	0,60	0,70
Air Temperature at Dryer Outlet (°C)	22,4	23,0	23,6
Compressor Absorbed Power (kW)	7,24	7,25	7,26
Condenser Heat Rejected (kW)	40,77	43,21	45,74
REFERENCE DATA			
Working Pressure (bar g)	40		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	60		
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans	19000 / 2		
Maximum Operating Pressure (bar g)	50		
Sound Pressure Level (dBA) (1 m free field)*	58		
Refrigerant Type	R407c		
Fridge Compressor Type / n°	Hermetic Scroll / 1		
Refrigerant Quantity (kg)	11		
Capacity Control	Hot Gas by-pass		
Expansion System	Capillary Tube		
Air-to-air Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Air-to-refrigerant Heat Exchanger	Stainless Steel and Copper Plate Exchanger		
Number of Heat Exchangers	4		
Separator Type	Demister		
Drain Type	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	2 ½” ANSI 300		
Condensate Drain Inlet	1/2” BSP-F		
Condensate Drain Outlet**	1/4” BSP-F		
DIMENSIONS + WEIGHT			
Width (mm)	1007		
Height (mm)	1690		
Depth (mm)	1657		
Weight (kg)	610		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V/3ph/50Hz		
L.R.A. Current (Amps)	180,5		
F.L.A. Current (Amps)	29,7		
Total Installed Power (kW)	16,26		
Control Type	Electronic		
Electrical Protection Class (Std.)	IP44		

PERFORMANCE IN ACCORDANCE WITH ISO 7183
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**With timed drain

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65/30

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