

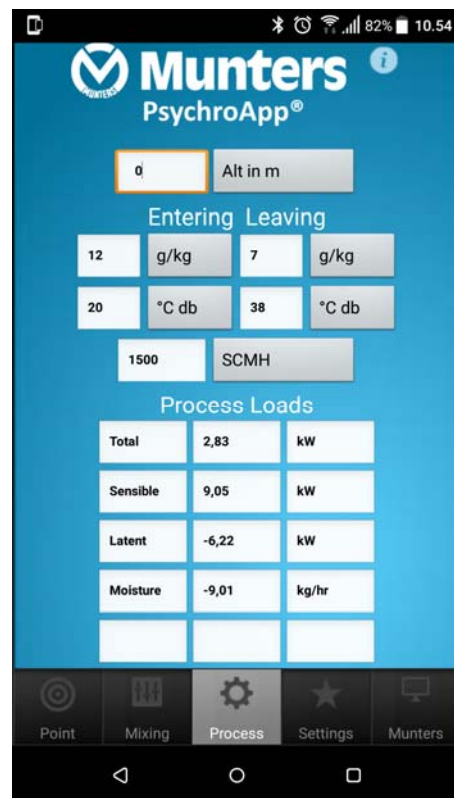
News release 12/10/2017

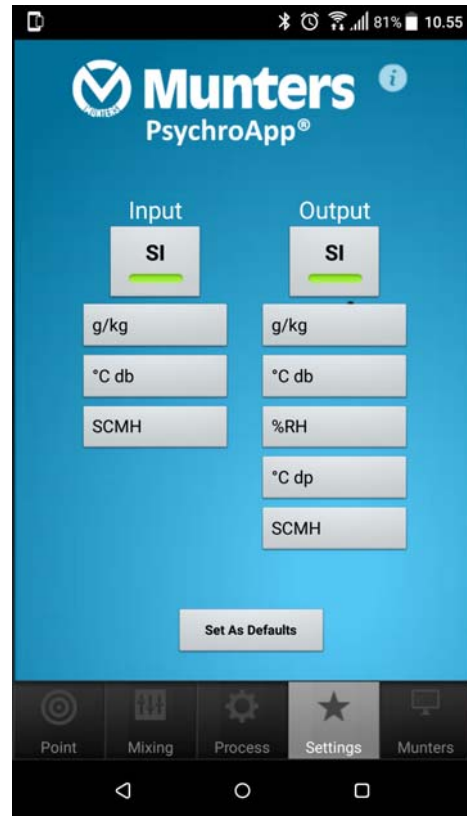
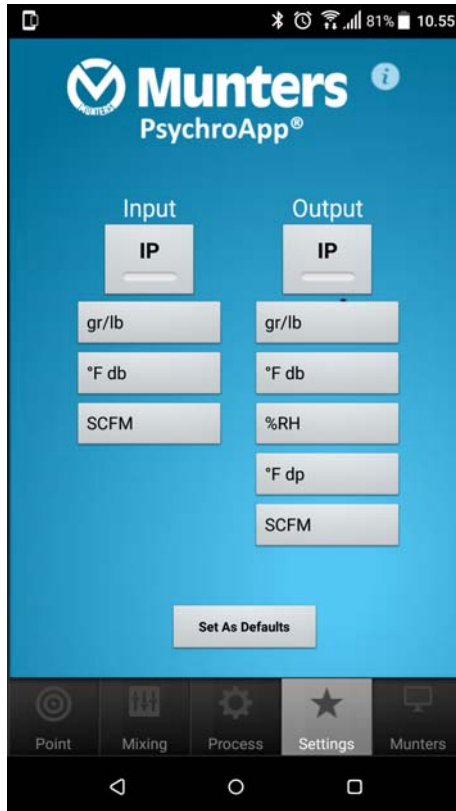
MUNTERS RELEASES NEW VERSION OF PSYCHROAPP™ AND PROAPP DATACOM™

Munters HVAC calculators now available for Android Devices and iOS

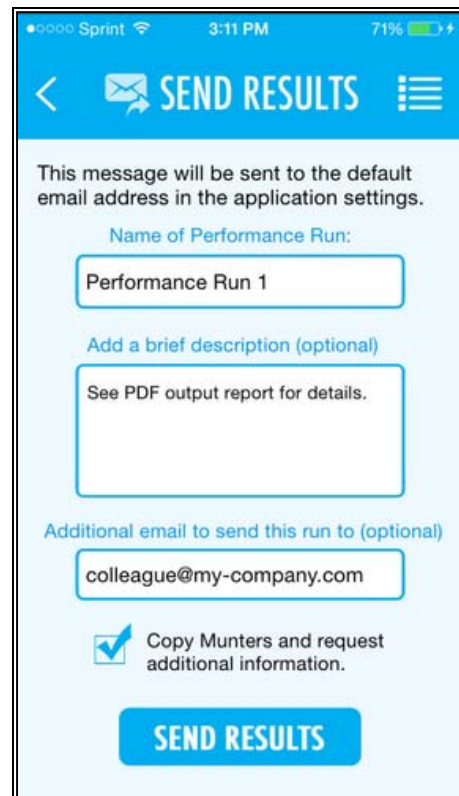
Munters announces its global launch of well-known PsychroApp (psychrometric calculator) and ProApp Datacom (used by data centers and critical facilities for sizing cooling systems and energy efficiency) for Android devices. Previously available for iOS platforms only, Munters is pleased to release Android versions, and also improved and updated iOS versions of both apps.

Both iOS and Android PychroApp users will enjoy a fresh, clean look and feel with this latest release. Munters PsychroApp, the psychrometric calculation tool for making accurate calculations of the thermodynamic properties of moist air, was first introduced to the market in 2011. For nearly a decade, users have enjoyed **making quick and easy calculations for total, sensible, latent and moisture loads of any process more accurately than using psychrometric charts.**






ProApp Datacom iOS, introduced to the market in 2015, was specifically designed to meet the needs of HVAC design engineers needing a time saving calculation tool for design and analysis for sizing of cooling systems and energy efficiency within data centers and critical facilities. Users will find the Android version to be equally convenient for making quick calculations.



GENERATED PDF OUTPUT REPORT

 **Munters**
Your Perfect Climate

Munters ProApp - DataCom
Date: 5/5/15

Design Mode

Aut: Unit 2

Input values

Space heat load: 1,200 kW / 341 Tons / 4,260 MBH

Supply temp: 25.00 °C

Return temp: 35.00 °C

Room dropoff: 10.00 °C

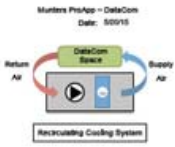
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Output values

Total supply airflow: 362,000 CMH

Total return airflow: 374,140 CMH

Redundancy Req'd: 10 x 1





Recirculating Cooling System

Munters Unit Size	Max Return Airflow	CRF	Design Supply Airflow (m³/s) opening/CMH	Design Return Airflow (m³/s) opening/CMH	Normal Supply Airflow (m³/s) cooling/CMH	Normal Return Airflow (m³/s) opening/CMH
ProWDS	42,000	9	63,000	47,025	36,000	37,400
ProWSD	78,000	9	72,000	74,025	60,000	60,000
ProWSD	114,000	9	72,000	74,025	60,000	60,000
ProWSD	150,000	9	63,000	65,025	72,000	74,000

Munters manufactures ultra-high efficiency variable chilled cooling systems.

- * Direct Air-Side Economizers (DAE) with supplemental direct evaporative, CHW, or DX cooling options.
- * Indirect Air-Side Economizers (IAE) with multiple air-to-air heat exchanger options: counterflow plate, crossflow plate, rotary, heat pipe, or crossflow polymer. IAEE designs can be implemented with indirect evaporative cooling to enhance performance. Thin DX or CHW cooling packages can be included to meet the needs of your facility based on the local climate.
- * Other options: Indoor installation design, EC motor driven supply and/or scavenger fans, main power & control panel automatic transfer switches, factory furnished, installed, and programmed DDC controls or installation of customer furnished controls, sensors, & valid certification design, plus many others.
- * Optional ventilation and humidity control air handlers, either stand-alone or integrated with cooling units to efficiently provide fresh air with humidification and dehumidification as required.

Common installation options include perimeter (exterior mounted), perimeter (interior installed, not shown below), and roof-top (installed on curbs or other structures). Other installation options are possible (contact contact factory).

Scan here for more info.
<http://www.munters.com/apps>

Both first of their kind apps use industry standard ASHRAE equations and will meet demands of users around the world by now being available for Android platforms and downloadable via Google Play. The updated PsychoApp for iOS devices is available via AppStore. **Both apps are free to download**, come in multiple languages and are available directly through the online stores or by visiting www.munters.com/apps

For more information:

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About Munters Group

Munters is a global leader in energy efficient air treatment and climate solutions. Using innovative technologies, Munters creates the perfect climate for customers in a wide range of industries, the largest being the food, pharmaceutical and data center sectors. Munters has been defining the future of air treatment since 1955. Today, around 3,500 employees carry out manufacturing and sales in more than 30 countries. Munters reports annual net sales in the region of SEK 6 billion and is listed on Nasdaq Stockholm. For more information, please visit www.munters.com