

GPCH32431

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Attribute	Value
Brand	Goodman
ProductCategory	Unitary
ProductClassPIM	Packaged Air Conditioner
System Family	Unitary Packaged System
Function Category	Cooling Only
Product Type	Equipment
Unit Type	Outdoor
Market Type	Residential-Single Family
Product Family	GPCH3_32
Series Name	GPCH3
Short Description	Goodman Packaged Air Conditioner 13.4 SEER2, Single Stage, Horizontal, 2 Ton
Model Efficiency	13.4 SEER2
Family Description	Packaged Air Conditioner
Product Benefits	Meets the 2023 M1 Test Standards
Product Features - (Standard)	Energy-efficient compressor Multi-speed ECM indoor blower motor Quiet horizontal discharge All-Aluminum evaporator coil Copper tube / aluminum fin condenser coil Compressor sound blanket Totally enclosed permanently lubricated condenser fan motor Fully charged system Electric heat kit available as a field-installed option AHRI Certified UL listed
Cabinet Features	Heavy-gauge galvanized steel cabinet with attractive Architectural Gray powder-paint finish Aluminum foil-facing internal insulation reinforced with fiberglass scrim Meets cabinet air leakage requirements when tested in accordance with ASHRAE standard 193 Fully insulated blower compartment with convenient access panels Louvered condenser coil protection One footprint for all tonnages When properly anchored, meets the 2023 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)
Installation Type	Ducted
Communication Feature	No
Export Control Classification Number - (ECCN)	EAR99

Attribute	Value
Product Notes	R32 Outdoor
Universal Product Code (UPC)	663051740853
Item Stocking Unit of Measure (UOM)	EA
Pallet Qty	1
Long Description	Goodman GPCH3 Horizontal Packaged Air Conditioner 13.4 SEER2, Single Stage, Multi Speed ECM, 2 Ton
ProductDescriptionPIM	2.0t h-pkgd 13.4 seer2 ac
CoolingCapacityNominal	22800 Btu/H
EER2HSVTC	10.6
ENERGYSTARCertified	No
SEER2HSVTC	13.4
SEERHSVTC	13.4
InstallationConfiguration	Horizontal
Producer	No
ProductIDBarcode	GPCH32431
CoolingOperationRangeStdMax	115 °F
CoolingOperationRangeStdMin	67 °F
RatedCoolingConditionAmbientDB	95 °F
RatedCoolingConditionAmbientWB	75 °F
RatedCoolingConditionRoomDB	80 °F
RatedCoolingConditionRoomWB	67 °F
RatedHeatingConditionAmbientDB	47 °F
RatedHeatingConditionAmbientWB	43 °F
RatedHeatingConditionRoomDB	70 °F
RatedHeatingConditionRoomWB	60 °F
CompressorLRA	59.3 A
CompressorRLA	10.3 A
CurrentType	AC
EvapMotorRLA	3.8 A
IndoorFLA	3.8 A
MaxOvercurrentProtection	25 A
MaxVoltage	253 V

Attribute	Value
MinCircuitAmps	17.6 A
MinVoltage	187 V
OutdoorFanRLA	0.95 A
OutdoorFLA	0.95 A
OutdoorLRA	0.0833333
PowerFrequency	60 Hz
PowerPhase	1 Ph
PowerVoltage	208-230 V
RatedLoadAmps	10.3 A
TotalUnitAmps	14.95 A
AirFlowRateHighCooling	850 ft³/min
AirFlowRateHighHeating	850 ft³/min
ANSI	No
BlowerMotorRPM	1400 r/min
CompressorStages	Single Stage
CompressorType	Scroll
CondenserCoilMetalType	Copper
CondenserCoilRows	1
CondenserFanRPM	810 r/min
CondenserFinDensity	24
DimensionsBlowerDiameter	10 in
DimensionsBlowerWidth	8 in
DimensionsUnitDepth	34 in
DimensionsUnitHeight	30 in
DimensionsUnitWidth	66 in
DimensionsWheelDiameter	10 in
DimensionsWheelWidth	8 in
EnergySource	Electric
ETLListed	Yes
EvapCoilFaceArea	5.26
EvapCoilMetalType	Aluminum
EvapCoilRows	3

Attribute	Value
EvapFinDensityFinsPerInch	14
EvapMotorRPM	1050 r/min
ExpansionDevice	Orifice
ExternalStaticPressureMax	0.8
ExternalStaticPressureRated	0.8
FanBladesCount	3
FanDiameter	22 in
HeatExchangerType	Air Cooled
IndoorOrificeSize	0.047 in
MotorSpeedType	Multi Speed ECM
NumberOfSpeeds	5
SoundPressureHighCooling	74 dBA
SystemHighPressure	660 lb/in ²
WeightUnit	320 lb
BlowerInputPower	178 kW
BlowerMotorHorsePower	1/2 metric hp
CondenserFanHorsepower	1/6 metric hp
CoolingCapacityMax	22800 Btu/H
CoolingCapacityRated	22800 Btu/H
CoolingCapacitySensible	18700 Btu/H
EvapMotorHorsepower	1/2 metric hp
SensibleHeatRatioST	0.82
Tonnage	2
CondensateDrainOutlet	3/4 in
FactoryStdRefrigerantCharge	38 oz
PipeSizeGas	1/2 in
PipeSizeLiquid	3/8 in
RefrigerantType	R-32
Proposition 65 Label	Yes
Carton Type	CTN
Case Qty	1
Dimensions - (Case Depth)	68.00 in

Attribute	Value
Dimensions - (Case Height)	31.00 in
Dimensions - (Case Width)	35.00 in
Dimensions - (Distribution Unit Depth)	1 in
Dimensions - (Distribution Unit Height)	1 in
Dimensions - (Distribution Unit Width)	1 in
Dimensions - (Pallet Depth)	68.00 in
Dimensions - (Pallet Height)	31.00 in
Dimensions - (Pallet Width)	35.00 in
Dimensions - (Shipping Unit Depth)	68.00 in
Dimensions - (Shipping Unit Height)	31.00 in
Dimensions - (Shipping Unit Width)	35.00 in
Distribution Shipping Volume - (Unit)	1 in ³
Shipping Volume - (Unit)	73780.000 in ³
Truck Factor	0
Volume - (Case)	73780.000 in ³
Volume - (Distribution Shipping Unit)	1 in ³
Weight - (Case)	312.000 lb
Weight - (Distribution Shipping Unit)	1 lb
Weight - (Shipping Unit)	312.000 lb
Registered Parts Warranty - Commercial	ALL PARTS - 5 YEARS PARTS
Registered Parts Warranty - Multi-Family	ALL PARTS - 10 YEARS PARTS
Registered Parts Warranty - Residential	ALL PARTS - 10 YEARS PARTS
Standard Parts Warranty - Commercial	ALL PARTS - 5 YEARS PARTS
Standard Parts Warranty - Multi-Family	ALL PARTS - 5 YEARS PARTS
Standard Parts Warranty - Residential	ALL PARTS - 5 YEARS PARTS
Ecomm Path Display	Equipment/Residential Packaged System/Packaged Air Conditioner
Release Status	Active