

60 TON CHILLER

Portable Air is proud to offer trailer-mounted, air-cooled chiller packages to meet any temporary climate control project needs. Our entire fleet is comprised of only the most reliable, well performing units from top manufacturers such as Trane, Carrier and York.

All units can be rented as individual units or as a complete “turn-key” package including complete delivery, installation, startup and required accessories. Contact one of our rental representatives today to learn more about Portable Air and the largest HVAC rental fleet of its kind.

Call us today! (800)341-4297



60 TON CHILLER FEATURES

- ◆ This unit has two systems with two scroll compressors on each circuit.
- ◆ Disconnect Switch
- ◆ Mechanical Flow Switch
- ◆ Camlock Electrical Tie-Ins
- ◆ Camlock Plumbing Connections
- ◆ Heavy Duty Trailer for Portability

GENERAL

◆ Trane® Chiller Model	CGAM060F2
◆ Ambient Operating Range	0° - 125° F
◆ Leaving Chilled Liquid Setpoint	42° - 65° F
◆ Refrigerant Circuits	2

DIMENSIONS	Unit Only	With Trailer
◆ Length	150"	278"
◆ Width	89"	96"
◆ Height	85"	117"
◆ Shipping Weight	4,979 Pounds	7,960 Pounds

ELECTRICAL DATA

◆ Power Requirements	460V/3PH/60Hz
◆ Connections	4/0 Camlock
◆ Minimum Circuit Ampacity	131.6 Amps
◆ Max Over Current Protection	150 Amps
◆ Voltage Range	414V—506V

COOLER FLOW

◆ Minimum	83.9 GPM
◆ Design	95.5 GPM
◆ Maximum	201.4 GPM
◆ Fluid Connection	4" Camlock
◆ Maximum Water Side Pressure	150 PSI

Pump Performance Datasheet

Customer :	Quote number :
Customer reference :	Size : 2-1/2 x 3 x 9 M (B2-1/2ZPM)
Item number : Default	Stages : 1
Service :	Based on curve number : 5020
Quantity : 1	Date last saved : 07 May 2013 3:43 PM

Operating Conditions		Liquid	
Flow, rated	: 150.0 USgpm	Liquid type	: --Water
Differential head / pressure, rated (requested)	: 50.00 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 49.85 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 psi.g	Solids concentration, by volume	: 0.00 %
NPSH available, rated	: Ample	Temperature, max	: 68.00 deg F
Frequency	: 60 Hz	Fluid density, rated / max	: 1.000 / 1.000 SG
Performance		Material	
Speed, rated	: 1,740 rpm	Material selected	: Not specified
Impeller diameter, rated	: 7.31 in	Pressure Data	
Impeller diameter, maximum	: 9.00 in	Maximum working pressure	: 23.30 psi.g
Impeller diameter, minimum	: 6.19 in	Maximum allowable working pressure	: 215.0 psi.g
Efficiency	: 69.33 %	Maximum allowable suction pressure	: N/A
NPSH required / margin required	: - / 0.00 ft	Hydrostatic test pressure	: N/A
nq (imp. eye flow) / S (imp. eye flow)	: 20 / 102 Metric units	Driver & Power Data	
MCSF	: 75.11 USgpm	Driver sizing specification	: Rated power
Head, maximum, rated diameter	: 53.82 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 6.51 %	Service factor	: 1.00
Flow, best eff. point (BEP)	: 186.5 USgpm	Power, hydraulic	: 1.89 hp
Flow ratio (rated / BEP)	: 80.43 %	Power, rated	: 2.73 hp
Diameter ratio (rated / max)	: 81.25 %	Power, maximum, rated diameter	: 3.59 hp
Head ratio (rated dia / max dia)	: 59.59 %	Minimum recommended motor rating	: 3.00 hp / 2.24 kW
Cq/Ch/Ce [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		

