

MACH145G3AS – Product Specifications

COOLING MODE

Design Indoor Dry Bulb / Wet Bulb		95°F / 78°F
Design Outdoor Ambient Temperature		95°F
Total Cooling Capacity	BTU/HR	144,000
Sensible Cooling Capacity		103,000
Minimum Indoor Ambient Temperature		65°F
Approximate Supply Air Flow Rate		4400 CFM
Rated External Static Pressure		1.5" w.c.

POWER REQUIREMENTS

Voltage / Phasing / Frequency		208-230/3/60
Minimum Circuit Ampacity	(Amps)	59.6
Maximum Fuse Size	(Amps)	90

COMPRESSOR

Type		12 Ton Scroll
Voltage / Phasing / Frequency		208-230/3/60
RLA	(Amps)	33.3
LRA	(Amps)	239

CONDENSER BLOWER MOTOR

Horsepower		4
Voltage / Phasing / Frequency		208-230/3/60
FLA	(Amps)	9
Speed	RPM	1690

EVAPORATOR BLOWER MOTOR

Horsepower		4
Voltage / Phasing / Frequency		208-230/3/60
FLA	(Amps)	9
Speed	RPM	1690

REFRIGERANT

R-410		12 lbs. 8 oz.
Low Pressure	70 PSIG Cutout	100 PSIG Reset
High Pressure	625 PSIG Cutout	Manual Reset
Suction Operating Pressure	104 PSIG Low ¹	145 PSIG High ¹
Discharge Operating Pressure	290 PSIG Low ¹	625 PSIG High ¹
Subcooling	@ approx. 80 °F ambient	10-12°F ¹

WARNING: HIGH VOLTAGE – DISCONNECT POWER BEFORE SERVICING

DISCONNECT POWER

Failure to disconnect power before servicing could lead to severe personal injury or death.

RE-CONNECT ALL GROUNDS

All parts of this product capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for servicing, they must be reconnected at their original location.

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

*Readings are dependent upon ambient conditions; numbers listed are approximate.

MACH145G4AS – Product Specifications

COOLING MODE

Design Indoor Dry Bulb / Wet Bulb		95°F / 78°F
Design Outdoor Ambient Temperature		95°F
Total Cooling Capacity	BTU/HR	144,000
Sensible Cooling Capacity		103,000
Minimum Indoor Ambient Temperature		65°F
Approximate Supply Air Flow Rate		4400 CFM
Rated External Static Pressure		1.5" w.c.

POWER REQUIREMENTS

Voltage / Phasing / Frequency		460/3/60
Minimum Circuit Ampacity	(Amps)	30.4
Maximum Fuse Size	(Amps)	45

COMPRESSOR

Type		12 Ton Scroll
Voltage / Phasing / Frequency		460/3/60
RLA	(Amps)	17.9
LRA	(Amps)	125

CONDENSER BLOWER MOTOR

Horsepower		4
Voltage / Phasing / Frequency		460/3/60
FLA	(Amps)	4
Speed	RPM	1690

EVAPORATOR BLOWER MOTOR

Horsepower		4
Voltage / Phasing / Frequency		460/3/60
FLA	(Amps)	4
Speed	RPM	1690

REFRIGERANT

R-410		12 lbs. 8 oz.
Low Pressure	70 PSIG Cutout	100 PSIG Reset
High Pressure	625 PSIG Cutout	Manual Reset
Suction Operating Pressure	104 PSIG Low ¹	145 PSIG High ¹
Discharge Operating Pressure	290 PSIG Low ¹	625 PSIG High ¹
Subcooling	@ approx. 80 °F ambient	10-12°F ¹

WARNING: HIGH VOLTAGE – DISCONNECT POWER BEFORE SERVICING

DISCONNECT POWER

Failure to disconnect power before servicing could lead to severe personal injury or death.

RE-CONNECT ALL GROUNDS

All parts of this product capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for servicing, they must be reconnected at their original location.

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