

Freedom™ 4500 Blow Molder

General System Specifications

Production Rate: Up to 4500 500ml bottles per hour

Bottle Size:

Min: 125ml

Max: Up to 1.25L (confirm bottle dimensions with Norland International)

Power Requirements: 220 3-phase 60hz (Recommended Service- 125amp)
380 3-phase 50hz (Recommended Service- 125amp)

Pre-form Specification

Min Length: 2.7” (68.6mm)

Max Length: 4.6” (116.8mm)

Min Diameter: .6” (15mm)

Max Diameter: 1.02” (26mm)

Max Inside Diameter: .55” (14mm)

Min Thread Diameter: .94” (24mm)

Max Thread Diameter: 1.25” (32mm)

Max Flange Diameter: 1.34” (34mm) (other sizes available on request)

Max Flange Thickness: .13” (3.3mm)

Compressed Air Requirements: Air Pressure: 450 PSI (3.1mPa)

CFM: 150cfm – (4.5 cubic meters per hour)

Air Line Hook Up Size: 1” FPT

Quality: Oil Free, Clean, and Dry

Electrical requirements for 50Hz models

DESCRIPTION	VOLTAGE	CONNECTED LOAD (Each)	RECOMM. SERVICE (Each)	TOTAL CONNECTED KVA	Average KW/Hr
BM4500 Blow Molder	380 Volts, 50 Hz, 3 Phase, 5 Wire	95 AMPS	125 AMP	36.0	30.0
4xSSA155 Air Compressor Skid (4 X 40 Hp)	380 Volts, 50 Hz, 3 Phase, 5 Wire	228 AMPS	275 AMP	151.3	121.0
BM4500 Mold Chiller	380 Volts, 50 Hz, 3 Phase, 5 Wire	16 AMPS	30 AMP	8.7	6.9
BM4500 Ref. Air Dryer	208 Volts, 50 Hz 1 Phase, 3 Wire	14 AMPS	20 AMP	2.9	2.4
TOTALS		353 AMPS	450 AMPS	198.9	160.3

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Electrical requirements for 60Hz models

DESCRIPTION	VOLTAGE	CONNECTED LOAD (Each)	RECOMM. SERVICE (Each)	TOTAL CONNECTED KVA	Average KW/Hr
BM4500 Blow Molder	208 Volts, 60 Hz, 3 Phase, 4 Wire	95 AMPS	125 AMP	36.0	30.0
4xSSA155 Air Compressor Skid (4 X 40 Hp)	208 Volts, 60 Hz, 3 Phase, 4 Wire	420 AMPS	500 AMP	151.3	121.0
BM4500 Mold Chiller	208 Volts, 60 Hz, 3 Phase, 4 Wire	23 AMPS	30 AMP	8.7	6.9
BM4500 Ref. Air Dryer	208 Volts, 60 Hz 1 Phase, 3 Wire	14 AMPS	20 AMP	2.9	2.4
TOTALS		552 AMPS	675 AMPS	198.9	160.3

Optional 4500 Air Compressor @ 480/3/60

4xSSA155 Air Compressor Skid (4 X 40 Hp)	480 Volts, 60 Hz, 3 Phase, 4 Wire	187 AMPS	250 AMP	155.5	124.4
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Norland International Inc. reserves the right to change specifications without notice. All specifications are approximate ($\pm 10\%$).

IMPORTANT: *Norland International must receive samples of your products prior to shipping to ensure compatibility with our equipment.*

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