

Location of Construction: 1136 Forest Ave		Owner: Cumberland Farms		Phone:		Permit No. 960469	
Owner Address:		Leasee/Buyer's Name: Cumberland Farms		Phone:		Business Name: 1057 800-828-0869	
Contractor Name: G. Phillip Brokos Cumberland Farms, Inc.		Address:		Phone:		Permit Issued: MAY 28 1996	
Past Use: Vacant Space		Proposed Use: Office		COST OF WORK: \$ 15,000.00		PERMIT FEE: \$ 100.00	
				FIRE DEPT. <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group: Type:	
Proposed Project Description: Change Use Make Interior Renovations Install HVAC System				Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Permit Taken By: Mary Crook		Date Applied For: 22 May 1996		PEDESTRIAN ACTIVITIES DISTRICT (P.U.D.) Action: Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied <input type="checkbox"/>		Zoning Approval: <i>See Code</i> B-2 146-D-001	
				Signature: _____ Date: _____		Special Zone or Reviews: <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan maj <input type="checkbox"/> minor <input type="checkbox"/> mm <input type="checkbox"/>	

1. This permit application doesn't preclude the Applicant(s) from meeting applicable State and Federal rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

Zoning Appeal

Variance
 Miscellaneous
 Conditional Use
 Interpretation
 Approved
 Denied

Historic Preservation

Not in District or Landmark
 Does Not Require Review
 Requires Review

Action:

Approved
 Approved with Conditions
 Denied

Date: 5/28/96

CEO DISTRICT

[Signature]

PERMIT ISSUED WITH REQUIREMENTS

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

SIGNATURE OF APPLICANT G. Phillip Brokos ADDRESS: _____ DATE: 22 May 1996 PHONE: _____

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE _____ PHONE: _____

COMMENTS

7/17/96 Not started yet W
9-10-96 Framing is being done.
9-19-96 Framing is completed
1-13-97 OK for C/O

Inspection Record

Type	Date
Foundation: _____	_____
Framing: _____	_____
Plumbing: _____	_____
Final: _____	_____
Other: _____	_____



CITY OF PORTLAND, MAINE
Department of Building Inspection

146-D-001

Certificate of Occupancy

LOCATION 1136 Forest Ave

Issued to Cumberland Farms

Date of Issue 02 May 1997

This is to certify that the building, premises, or part thereof, at the above location, built — altered — changed as to use under Building Permit No. 960469, has had final inspection, has been found to conform substantially to requirements of Zoning Ordinance and Building Code of the City, and is hereby approved for occupancy or use, limited or otherwise, as indicated below.

PORTION OF BUILDING OR PREMISES

APPROVED OCCUPANCY

Entire

Office

Limiting Conditions:

This certificate supersedes
certificate issued 14 Jan 97

Approved:

[Signature]

(Date)

Inspector

[Signature]

Inspector of Buildings

[Handwritten initials]

Notice: This certificate identifies lawful use of building or premises, and ought to be transferred from owner to owner when property changes hands. Copy will be furnished to owner or lessee for one dollar.

LAND USE - ZONING REPORT

ADDRESS: 1136 Forest Ave DATE: 5/24/96

REASON FOR PERMIT: change of use^{to OFFICE SPACE} / mtN Remov. / install HVAC

BUILDING OWNER: Cumber Land Farm C-B-L: 146-D-1

PERMIT APPLICANT: _____

APPROVED: with condition DENIED: _____

CONDITION(S) OF APPROVAL

1. During its existence, all aspects of the Home Occupation criteria, Section 14-410, shall be maintained.
2. The footprint of the existing _____ shall not be increased during maintenance reconstruction.
3. All the conditions placed on the original, previously approved, permit issued on _____ are still in effect for this amendment.
4. Your present structure is legally nonconforming as to rear and side setbacks. If you were to demolish the building on your own volition, you will **not** be able to maintain these same setbacks. Instead you would need to meet the zoning setbacks set forth in today's ordinances. In order to preserve these legally non-conforming setbacks, you may only rebuild the garage in place and in phases.
5. This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval.
6. Our records indicate that this property has a legal use of _____ units. Any change in this approved use shall require a separate permit application for review and approval.
7. Separate permits shall be required for any signage.
8. Separate permits shall be required for future decks and/or garage.
9. Other requirements of condition _____

Marge Schmuckal

Marge Schmuckal, Zoning Administrator,
Asst. Chief of Code Enforcement

BUILDING PERMIT REPORT

DATE: 28/MAY/96 ADDRESS: 1136 Forest Ave
REASON FOR PERMIT: Change of Use / Interior renovations
BUILDING OWNER: Cumberland Farms
CONTRACTOR: C. Philip Brooks APPROVED: *8*12
PERMIT APPLICANT: _____ DENIED: _____

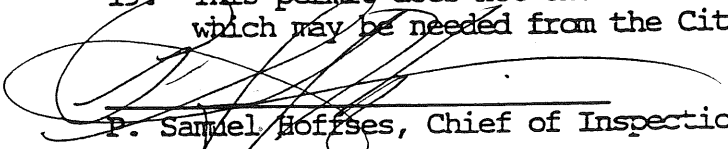
CONDITION OF APPROVAL OR DENIAL

1. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection)
2. Precaution must be taken to protect concrete from freezing.
3. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
4. All vertical openings shall be enclosed with construction having a fire rating of at least one(1) hour, including fire doors with selfclosers.
5. Each apartment shall have access to two(2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units.
6. The boiler shall be protected by enclosing with one(1) hour fire-rated construction including fire doors and ceiling, or by providing automatic extinguishment. Sprinkler piping serving not more than six sprinklers may be connected to a domestic water supply having a capacity sufficient to provide 0.15 gallons per minute, per square foot of floor throughout the entire area. An INDICATING shut-off valve shall be installed in an accessible location between the sprinkler and the connection to the domestic water supply. Minimum pipe size shall be 3/4 inch copper or 1 inch steel. Maximum coverage area of a residential sprinkler is 144 sq. feet per sprinkler.
7. Every sleeping room below the fourth story in buildings of Use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue, they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508 mm), and a minimum net clear opening of 5.7 sq. feet.
- * 8. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type.
9. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's building code Chapter 9, section 19, 919.3.2(BOCA National Building Code/1993), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):


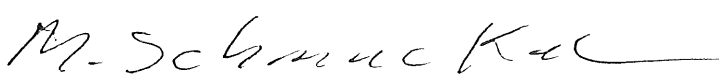
1. In the immediate vicinity of bedrooms
2. In all bedrooms
3. In each story within a dwelling unit, including basements

In addition to the required AC primary power source, required smoke detectors in occupancies in Use Groups R-2, R-3 and I-1 shall receive power from a battery when the AC primary power source is interrupted.

10. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4 section 407.0 of the BOCA/1993)
11. Guardrail & Handrails-A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42", except Use Group R which is 36". In occupancies in Use Group A, B, H-4, I-1, I-2 M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect.
- *12. All exit signs, lights, and means of egress lighting shall be done in accordance with Chapter 10, section & subsections 1023. & 1024. of the City's building code. (The BOCA National Building Code/1993)
13. Stair construction in Use Group R-3 & R-4 is a minimum of 9" tread and 8-1/4" maximum rise. ~~All other Use Group minimum 11" tread, 7" maximum rise.~~
14. Headroom in habitable space is a minimum of 7'6".
15. The minimum headroom in all parts of a stairway shall not be less than 80 inches.
16. All construction and demolition debris must be disposed at the City's authorized reclamation site. The fee rate is attached. Proof of such disposal must be furnished to the office of Inspection Services before final Certificate of Occupancy is issued or demolition permit is granted.
17. Section 25-135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
18. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act, Title 5 MRSA refers, shall obtain a certification from a design professional that the plans of the facility meet the standards of construction required by this section. Prior to commencing construction of the facility, the builder shall submit the certification to the Division of Inspection Services.
19. This permit does not excuse the applicant from obtaining any license which may be needed from the City Clerk's Office.


P. Samuel Hoffses, Chief of Inspection Services

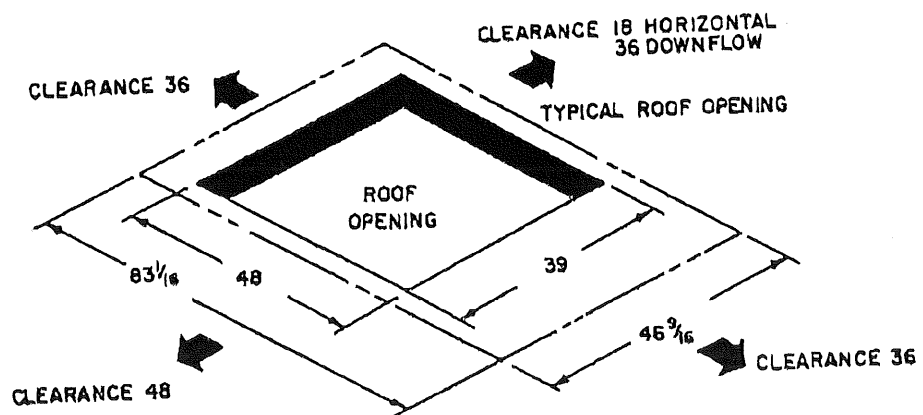
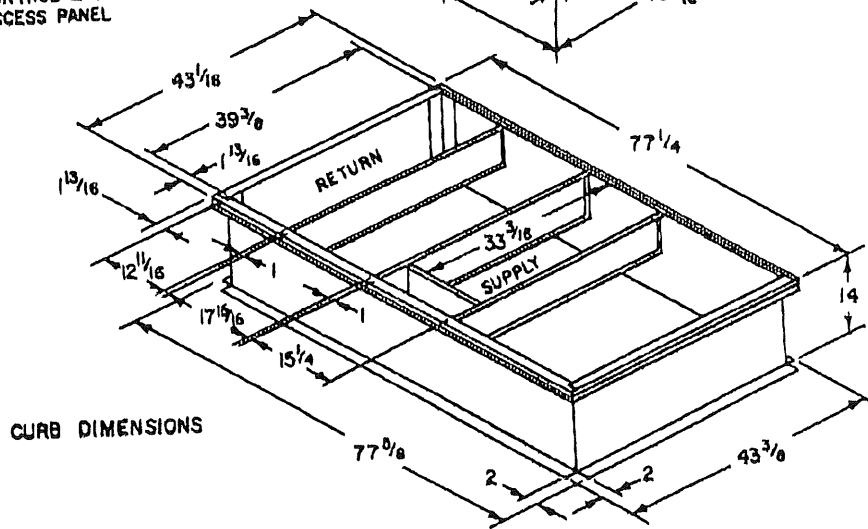
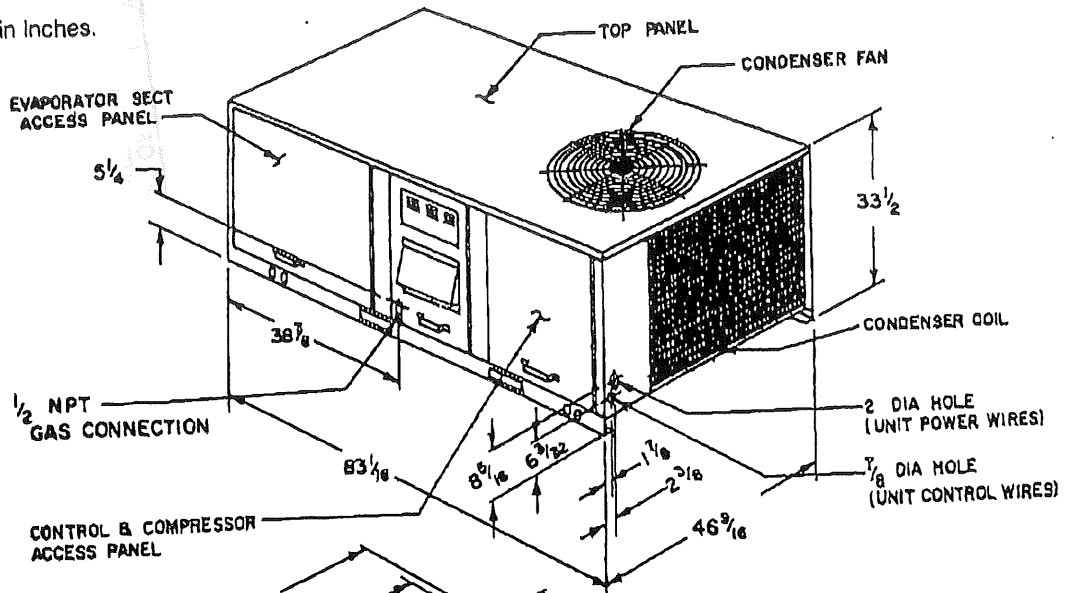
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C.C. 




Dimensional Data

All dimensions are in inches.



General Data

Table 10-1 General Data

	5 Ton Downflow and Horizontal		6 1/2 Ton Downflow and Horizontal		7 1/2 Ton Downflow and Horizontal		Single Compressor		Dual Compressor	
	YC*060C1	YC*060C3 C4 CW	YC*075C3 C4 CW	YC*075C3 C4 CW	YC*080C3 C4 CW	YC*080C3 C4 CW	YC*090D3 D4 DW	YC*090D3 D4 DW	YC*090D3 D4 DW	YC*090D3 D4 DW
Cooling Performance¹										
Gross Cooling Capacity	64,000	62,500	75,000	75,000	92,000	92,000	90,000	90,000	90,000	90,000
EER/SEER ²	—/9.85	—/10.00	9.00/—	9.00/—	9.00/—	9.00/—	9.00/—	9.00/—	9.00/—	9.00/—
Nominal CFM / ARI Rated CFM	2,000/2,000	2,000/2,000	2,500/2,188	2,500/2,188	3,000/2,625	3,000/2,625	3,000/2,625	3,000/2,625	3,000/2,625	3,000/2,625
ARI Net Cooling Capacity	61,500	60,000	72,000	72,000	88,000 ³	88,000 ³	86,000 ³	86,000 ³	86,000 ³	86,000 ³
Integrated Part Load Value ³	—	—	—	—	—	—	9.4 ³	9.4 ³	9.4 ³	9.4 ³
System Power (KW)	6.95	6.71	8.00	8.00	9.78 ⁴	9.78 ⁴	9.58 ⁴	9.58 ⁴	9.58 ⁴	9.58 ⁴
Heating Performance⁴										
Heating Models	Low High	Low High	Low High	Low High	Low High	Low High	Low High	Low High	Low High	Low High
Heating Input (Btuh)	90,000 135,000	90,000 135,000	120,000 205,000	120,000 205,000	120,000 205,000	120,000 205,000	120,000 205,000	120,000 205,000	120,000 205,000	120,000 205,000
1st Stage (2 Stage Only)										
Heating Output (Btuh)	70,000 105,000	73,000 109,000	97,000 166,000	97,000 166,000	97,000 166,000	97,000 166,000	97,000 166,000	97,000 166,000	97,000 166,000	97,000 166,000
1st Stage (2 Stage Only)										
AFUE ⁵	78 78	81 81	81 81	81 81	81 81	81 81	81 81	81 81	81 81	81 81
Steady State Efficiency (%)	80.0 80.0	81.0 81.0	81.0 81.0	81.0 81.0	81.0 81.0	81.0 81.0	81.0 81.0	81.0 81.0	81.0 81.0	81.0 81.0
No. Burners	1	1	1	1	1	1	1	1	1	1
No. Stages	1	1	1	1	2	2	1	2	1	2
Gas Connection Pipe Size (in.)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Compressor										
No./Type	1/Climatuff™	1/Climatuff™	1/Climatuff™	1/Climatuff™	1/Trane H	1/Trane H	2/Climatuff™	2/Climatuff™	2/Climatuff™	2/Climatuff™
Sound Rating (BELS)⁶										
	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
Outdoor Coil - Type										
Tube Size (in.) OD	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375
Face Area (sq ft)	11.32	9.76	11.32	11.32	12.09	12.09	14.00	14.00	14.00	14.00
Rows/FPI	2/16	2/16	2/16	2/16	2/16	2/16	2/16	2/16	2/16	2/16
Indoor Coil - Type										
Tube Size (in.)	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375	High-Performance .375
Face Area (sq ft)	8.33	6.33	7.00	7.00	7.88	7.88	7.88	7.88	7.88	7.88
Rows/FPI	2/15	2/15	2/15	2/15	3/15	3/15	2/15	2/15	2/15	2/15
Refrigerant Control	Short Orifice	Short Orifice	Short Orifice	Short Orifice	Short Orifice	Short Orifice	Short Orifice	Short Orifice	Short Orifice	Short Orifice
Drain Connection No./Size (in.)	1/3/4 PVC	1/3/4 PVC	1/3/4 PVC	1/3/4 PVC	1/3/4 PVC	1/3/4 PVC	1/3/4 PVC	1/3/4 PVC	1/3/4 PVC	1/3/4 PVC
Outdoor Fan - Type										
No. Used/Diameter (in.)	Propeller 1/24	Propeller 1/24	Propeller 1/24	Propeller 1/24	Propeller 1/24	Propeller 1/24	Propeller 1/24	Propeller 1/24	Propeller 1/24	Propeller 1/24
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1
CFM	4,900	4,270	4,870	4,870	5,450	5,450	5,620	5,620	5,620	5,620
No. Motors/HP	1/1.50	1/1.40	1/1.50	1/1.50	1/1.50	1/1.50	1/1.50	1/1.50	1/1.50	1/1.50
Motor RPM	975	1,075	1,075	1,075	1,075	1,075	1,075	1,075	1,075	1,075
Indoor Fan - Type										
No. Used/Diameter (in.)	FC Centrifugal 1/12 X 9	FC Centrifugal 1/12 X 9	FC Centrifugal 1/12 X 9	FC Centrifugal 1/12 X 9	FC Centrifugal 1/12 X 9	FC Centrifugal 1/12 X 9	FC Centrifugal 1/12 X 9	FC Centrifugal 1/12 X 9	FC Centrifugal 1/12 X 9	FC Centrifugal 1/12 X 9
Drive Type/No. Speeds	Direct/2	Direct/2	Belt/1	Belt/1	Belt/1	Belt/1	Belt/1	Belt/1	Belt/1	Belt/1
No. Motors	1	1	1	1	1	1	1	1	1	1
Motor HP (Standard/Oversized)	60/75	60/75	1.0/2.0	1.0/2.0	1.0/2.0	1.0/2.0	1.0/2.0	1.0/2.0	1.0/2.0	1.0/2.0
Motor RPM (Standard/Oversized)	850/1040	850/1040	1725/1725	1725/1725	1725/1725	1725/1725	1725/1725	1725/1725	1725/1725	1725/1725
Motor Frame Size (Standard/Oversized)	48/48	48/48	56/56	56/56	56/56	56/56	56/56	56/56	56/56	56/56
Filters - Type										
Furnished ? - Downflow	Throwaway Yes	Throwaway Yes	Throwaway Yes	Throwaway Yes	Throwaway Yes	Throwaway Yes	Throwaway Yes	Throwaway Yes	Throwaway Yes	Throwaway Yes
Horizontal	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
(No.) Size Recommended	(2) 20 X 25 X 1	(2) 20 X 25 X 1	(3) 16 X 25 X 1	(3) 16 X 25 X 1	(3) 16 X 25 X 1	(3) 16 X 25 X 1	(3) 16 X 25 X 1	(3) 16 X 25 X 1	(3) 16 X 25 X 1	(3) 16 X 25 X 1
Refrigerant Charge (Lbs of R-22)⁷										
	8.4	7.9	9.1	9.1	10.6	10.6	6.3/Circuit	6.3/Circuit	6.3/Circuit	6.3/Circuit

NOTES

- Cooling Performance is rated at 95 F ambient, 80 F entering dry bulb, 67 F entering wet bulb and nominal air flow. Gross capacity does not include the effect of fan motor heat. ARI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to ±20% of nominal cfm. Rated in accordance with ARI Standard 210/240 and 360.
- EER and/or SEER are rated at ARI conditions and in accordance with DOE test procedures.
- Integrated Part Load Value is based on ARI Standard 210/240 or 360. Units are rated at 80° F ambient, 80° F entering dry bulb and 67° F entering wet bulb at ARI rated cfm.
- Heating Performance limit settings and rating data were established and approved under laboratory test conditions using American National Standards Institute standards. Ratings shown are for elevations up to 2000 feet. For elevations above 2000 feet, ratings should be reduced at the rate of 4% for each 1000 feet above sea level.
- AFUE is rated in accordance with DOE test procedures.
- ARI Sound Rating is rated in accordance with ARI Standard 270 or 370.
- Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.
- YCH030C, high heat has 88,000 Btuh ARI Net Capacity, 9.66 system KW and 8.9 EER.
- YCH090D, high heat has 85,000 Btuh ARI Net Capacity, 9.55 system KW, 8.9 EER and 9.1 IPLV.
- YCH high heat models 2.0 HP standard motor.

*Indicates both downflow and horizontal units

Performance Data

Table 25-1 Gross Cooling Capacities (MBh) 5 Ton Three Phase YC#060C3, C4, CW

CFM Airflow	Enter Dry Bulb (F)	Ambient Temperature																							
		85			95			105			115														
		61		67		73		61		67		73		61		67		73							
MBH SHC		MBH SHC		MBH SHC		MBH SHC		MBH SHC		MBH SHC		MBH SHC		MBH SHC		MBH SHC									
1800	75	57.6	44.8	64.1	37.4	68.0	24.7	53.6	42.0	61.2	35.8	66.2	23.8	49.2	40.3	57.0	33.9	63.4	22.0	44.7	37.9	52.1	29.3	59.6	20.3
	80	59.0	52.0	64.4	43.3	68.5	33.0	54.2	50.7	61.4	41.7	66.9	31.6	50.1	49.4	57.3	39.6	63.5	30.0	45.3	45.3	52.2	37.2	59.8	28.2
	85	59.3	59.3	64.6	50.9	68.8	40.1	56.1	56.1	61.6	49.5	66.7	39.3	52.7	52.7	57.5	47.5	63.8	38.0	49.0	49.0	52.6	45.2	59.9	36.1
	90	62.7	62.7	65.1	58.5	69.4	46.9	60.0	60.0	62.1	57.5	67.2	46.5	55.5	55.5	58.3	55.7	64.1	43.5	52.8	52.8	53.7	53.4	60.1	43.9
2000	75	59.0	47.2	65.1	36.7	68.5	24.9	54.9	45.0	62.3	35.1	66.9	23.8	50.5	42.7	58.5	33.2	64.1	22.4	45.9	40.2	53.3	30.8	60.4	20.6
	80	59.7	56.0	65.3	45.0	68.1	34.1	55.8	63.9	62.5	43.7	67.2	32.7	51.7	51.7	58.8	41.9	64.3	31.1	47.2	47.2	53.5	39.4	60.8	29.3
	85	61.7	61.7	65.7	53.2	68.6	42.8	58.6	58.6	62.7	52.2	67.5	40.5	55.0	55.0	58.9	50.9	64.7	39.8	51.1	51.1	54.0	49.1	60.9	38.0
	90	64.7	64.7	68.3	61.3	70.2	48.3	62.2	62.2	63.5	60.7	68.1	49.2	59.0	59.0	59.9	59.4	65.0	47.5	55.1	55.1	55.2	55.2	61.0	46.3
2200	75	60.3	48.6	65.8	37.8	68.9	25.3	60.2	47.3	63.1	36.3	67.2	24.2	57.7	44.9	59.4	34.5	64.6	22.7	46.8	42.5	54.3	32.1	61.0	21.0
	80	61.2	59.1	66.2	46.5	69.5	36.1	57.3	57.0	63.3	45.5	67.7	33.7	52.9	52.9	59.6	43.8	64.9	32.2	48.9	48.9	54.5	41.5	61.2	30.4
	85	63.4	63.4	68.6	59.2	70.1	44.6	60.6	60.6	63.7	54.6	68.2	43.2	57.0	57.0	60.0	53.2	65.3	41.6	53.0	53.0	55.3	51.0	61.5	39.8
	90	66.2	65.2	67.3	63.8	70.8	49.5	63.8	63.8	64.6	62.6	68.8	49.8	60.8	60.8	60.8	60.8	65.8	49.4	57.2	57.2	57.3	57.3	61.6	48.4
2400	75	61.3	51.6	68.4	39.1	69.2	25.6	57.2	48.5	63.8	37.5	67.6	24.5	52.8	47.1	60.2	35.7	65.0	23.0	47.9	44.7	55.3	33.4	61.5	21.3
	80	62.2	61.8	66.8	47.8	69.9	36.0	58.3	58.3	64.1	47.2	68.2	34.7	54.5	54.5	60.3	45.7	65.4	33.2	50.4	50.4	55.4	43.4	61.8	31.4
	85	64.7	64.7	67.9	57.0	70.5	46.2	62.1	62.1	64.5	58.9	68.7	44.9	58.8	58.8	60.9	55.7	65.9	43.3	54.7	54.7	56.4	53.7	62.1	40.9
	90	67.4	67.4	68.2	66.0	71.3	50.6	65.2	65.2	65.2	65.2	69.4	51.2	62.3	62.3	62.3	62.3	66.4	51.1	58.9	58.9	58.9	58.9	62.5	50.4

NOTES
 1 All capacities shown are gross and have not considered indoor fan heat. To obtain net cooling subtract indoor fan heat.
 2 MBh = Total Gross Capacity
 3 SHC = Sensible Heat Capacity

Table 25-2 Gross Cooling Capacities (MBh) 6 1/4 Ton Three Phase YC#075C3, C4, CW

CFM Airflow	Enter Dry Bulb (F)	Ambient Temperature																							
		85			95			105			115														
		61		67		73		61		67		73		61		67		73							
MBH SHC		MBH SHC		MBH SHC		MBH SHC		MBH SHC		MBH SHC		MBH SHC		MBH SHC		MBH SHC									
2250	75	70.2	55.7	77.3	45.8	81.3	29.6	65.2	53.0	73.5	43.9	78.7	28.0	60.0	50.2	68.9	41.6	75.2	28.0	54.5	47.3	63.0	38.9	70.8	24.0
	80	70.8	66.1	77.7	53.1	81.9	40.2	66.1	63.4	73.9	51.4	79.3	38.4	61.1	60.7	69.1	49.0	75.6	36.3	55.9	55.9	63.3	46.2	71.0	34.1
	85	73.1	73.1	78.1	62.8	82.8	48.5	69.2	69.2	74.2	61.4	79.7	47.5	64.9	64.9	69.4	59.2	75.9	46.0	60.4	60.4	63.8	56.5	71.3	44.1
	90	76.7	76.7	78.7	72.4	83.4	57.0	73.4	73.4	74.9	71.4	80.4	56.5	69.5	69.5	70.5	69.6	76.5	55.5	65.0	65.0	65.1	65.1	71.6	53.9
2500	75	71.8	58.8	78.3	44.9	81.8	29.8	66.8	56.0	74.7	42.9	79.3	28.9	61.5	53.2	70.2	40.6	75.9	28.5	56.9	50.3	64.5	37.8	71.5	24.9
	80	72.8	70.1	78.7	55.1	82.5	41.5	68.0	67.5	75.0	53.7	79.9	39.7	62.8	62.3	70.4	51.6	76.3	37.7	58.2	58.2	64.7	48.8	71.8	35.6
	85	75.4	75.4	79.2	65.9	83.2	52.7	71.8	71.8	75.4	64.5	80.5	49.9	67.6	67.6	70.8	62.8	78.3	47.7	62.9	62.9	65.3	60.2	72.2	46.1
	90	78.8	78.8	80.0	75.7	84.2	58.6	75.6	75.6	76.4	75.2	81.3	58.5	71.8	71.8	71.9	71.9	77.4	57.9	67.5	67.5	67.6	67.6	72.5	56.7
2750	75	73.1	61.5	79.0	46.5	82.2	30.3	68.1	58.9	75.6	44.5	79.8	29.8	62.7	56.0	71.1	42.1	78.4	28.8	57.0	53.1	65.8	39.5	72.1	24.7
	80	74.1	73.7	78.5	58.9	83.0	42.8	69.4	69.4	75.9	55.9	80.4	41.0	64.9	64.9	71.3	54.1	76.9	39.0	60.1	60.1	66.8	51.5	72.5	36.8
	85	77.1	77.1	80.1	67.9	83.8	50.6	73.8	73.8	76.4	67.3	81.2	50.1	69.7	69.7	71.8	68.0	77.6	49.3	65.0	65.0	66.6	63.7	72.9	47.9
	90	80.3	80.3	81.1	78.6	84.8	60.1	77.3	77.3	77.4	77.4	82.0	60.3	73.8	73.8	73.7	73.7	78.2	60.1	69.4	69.4	69.5	68.6	73.4	59.2
3000	75	74.0	64.1	78.8	47.8	82.5	30.7	68.3	61.7	76.2	45.7	80.1	29.2	63.8	59.8	71.8	43.6	76.8	27.2	58.1	56.8	66.4	41.0	72.6	25.1
	80	75.0	75.0	80.2	58.4	83.3	44.0	71.3	71.3	76.7	57.8	80.9	42.3	66.8	66.8	72.1	56.3	77.4	40.3	61.9	61.9	66.6	53.9	72.9	37.7
	85	76.8	76.8	80.9	70.0	84.3	51.6	75.3	75.3	77.3	69.8	81.7	51.2	71.4	71.4	72.9	68.8	78.1	50.8	68.8	68.8	67.7	67.1	73.5	49.5
	90	81.8	81.8	82.0	81.2	85.3	61.3	78.7	78.7	78.7	78.7	82.6	61.9	76.1	76.1	76.2	76.2	78.8	62.0	70.9	70.9	71.0	71.0	74.1	61.5

NOTES
 1 All capacities shown are gross and have not considered indoor fan heat. To obtain net cooling subtract indoor fan heat.
 2 MBh = Total Gross Capacity
 3 SHC = Sensible Heat Capacity

*Indicates both downflow and horizontal units.



Performance Data

**Table 37-1 Evaporator Fan Performance 3, 4 And 5 Ton
YCD036C, YC*048C, YC*060C**

Tons	Unit Model No.	CFM	External Static Pressure (Inches of Water) & Motor Power (Bhp) ¹						
			Standard Motor		Standard Motor		Oversized Motor		
			High Speed	Low Speed	High Speed	Low Speed	ESP	BHP	
			ESP	BHP	ESP	BHP	ESP	BHP	
3	YCD036C-L H	900	.75	.28	.87	.28	—	—	
		1000	.69	.30	.58	.28	1.46	.61	
		1100	.61	.32	.60	.30	1.32	.63	
		1200	.53	.34	.38	.33	1.12	.66	
		1300	.43	.36	.21	.38	.93	.69	
		1400	.32	.38	—	—	.70	.73	
		1500	.20	.40	—	—	.44	.77	
		YCD048C1-L YCD048C3,C4 CW-L,H	1200	.93	.48	.78	.35	—	—
			1300	.79	.49	.70	.37	1.56	.74
			1400	.75	.50	.62	.39	1.45	.77
1500	.71		.52	.54	.42	1.38	.80		
1600	.65		.54	.46	.44	1.29	.83		
1700	.59		.56	.30	.49	1.20	.86		
1800	.52		.58	—	—	1.10	.90		
1900	.46		.60	—	—	1.02	.93		
4	YCD048C1-H	1200	.82	.48	.75	.35	—	—	
		1300	.78	.49	.68	.37	1.55	.74	
		1400	.73	.50	.60	.39	1.44	.77	
		1500	.69	.52	.52	.42	1.36	.80	
		1600	.63	.54	.44	.44	1.27	.83	
		1700	.57	.56	.28	.49	1.18	.86	
		1800	.50	.58	—	—	1.08	.90	
		1900	.44	.60	—	—	.99	.93	
		2000	.38	.62	—	—	.90	.97	
		YCH048C-L H	1200	.80	.45	.68	.32	1.54	.75
1300	.74		.46	.62	.34	1.47	.77		
1400	.69		.48	.57	.36	1.40	.79		
1500	.62		.49	.50	.39	1.33	.81		
1600	.57		.50	.40	.41	1.26	.83		
1700	.51		.52	.30	.43	1.18	.86		
1800	.44		.54	.17	.47	1.08	.90		
1900	.37		.56	—	—	.98	.93		
2000	.28		.58	—	—	.89	.96		
5	YCD060C-L		1600	.72	.58	.67	.46	1.36	.82
		1700	.68	.59	.60	.48	1.28	.86	
		1800	.62	.61	.53	.50	1.20	.90	
		1900	.56	.63	.46	.52	1.11	.93	
		2000	.50	.66	.37	.55	1.02	.96	
		2100	.42	.69	.28	.59	.93	1.01	
		2200	.33	.71	.16	.62	.83	1.05	
		2300	.24	.73	—	—	.70	1.09	
		2400	.16	.76	—	—	.54	1.13	
		YCD060C-H	1600	.70	.58	.65	.46	1.34	.82
1700	.66		.59	.58	.48	1.26	.86		
1800	.60		.61	.51	.50	1.18	.90		
1900	.54		.63	.44	.52	1.09	.93		
2000	.48		.66	.34	.55	1.00	.96		
2100	.40		.69	.24	.59	.91	1.01		
2200	.31		.71	.13	.62	.81	1.05		
2300	.22		.73	—	—	.67	1.09		
2400	.13		.76	—	—	.51	1.13		
YCH060C-L H	1600		.71	.58	.65	.46	1.34	.83	
	1700	.68	.59	.58	.48	1.27	.86		
	1800	.60	.62	.50	.50	1.18	.90		
	1900	.53	.64	.43	.52	1.09	.93		
	2000	.47	.66	.34	.56	1.00	.97		
	2100	.40	.68	.24	.59	.90	1.01		
	2200	.30	.70	.12	.63	.80	1.05		
	2300	.22	.73	—	—	.68	1.09		
	2400	.12	.76	—	—	.51	1.13		



Fan motor heat (MBh) = 4.39 x Fan Bhp.
Trane's factory supplied motors, in commercial equipment are definite purpose motors, specifically designed and tested to operate reliably and continuously at all cataloged conditions. Using the full horsepower range of our fan motors as shown in our tables, data will not result in nuisance tripping or premature motor failure. Our product's warranty will not be affected.

NOTES:

1. Data includes pressure drop due to wet coil and filters

*Indicates both downflow and horizontal units

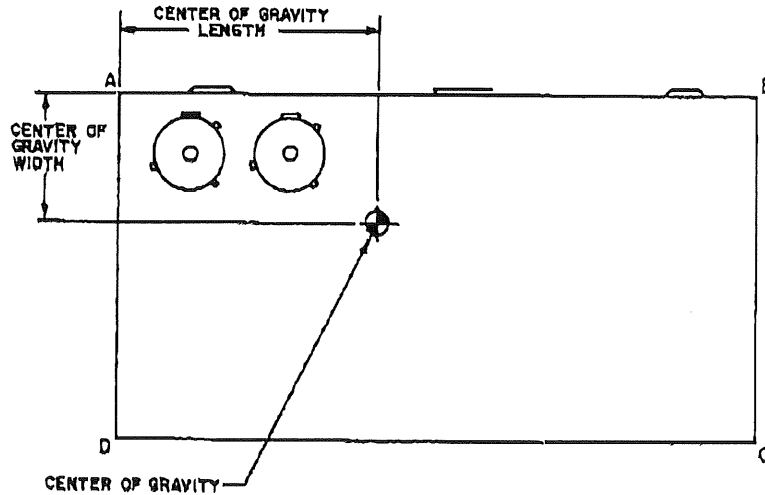
Weights

Table 84-1 Maximum Unit And Corner Weights (Lbs) And Center Of Gravity Dimensions (In.)

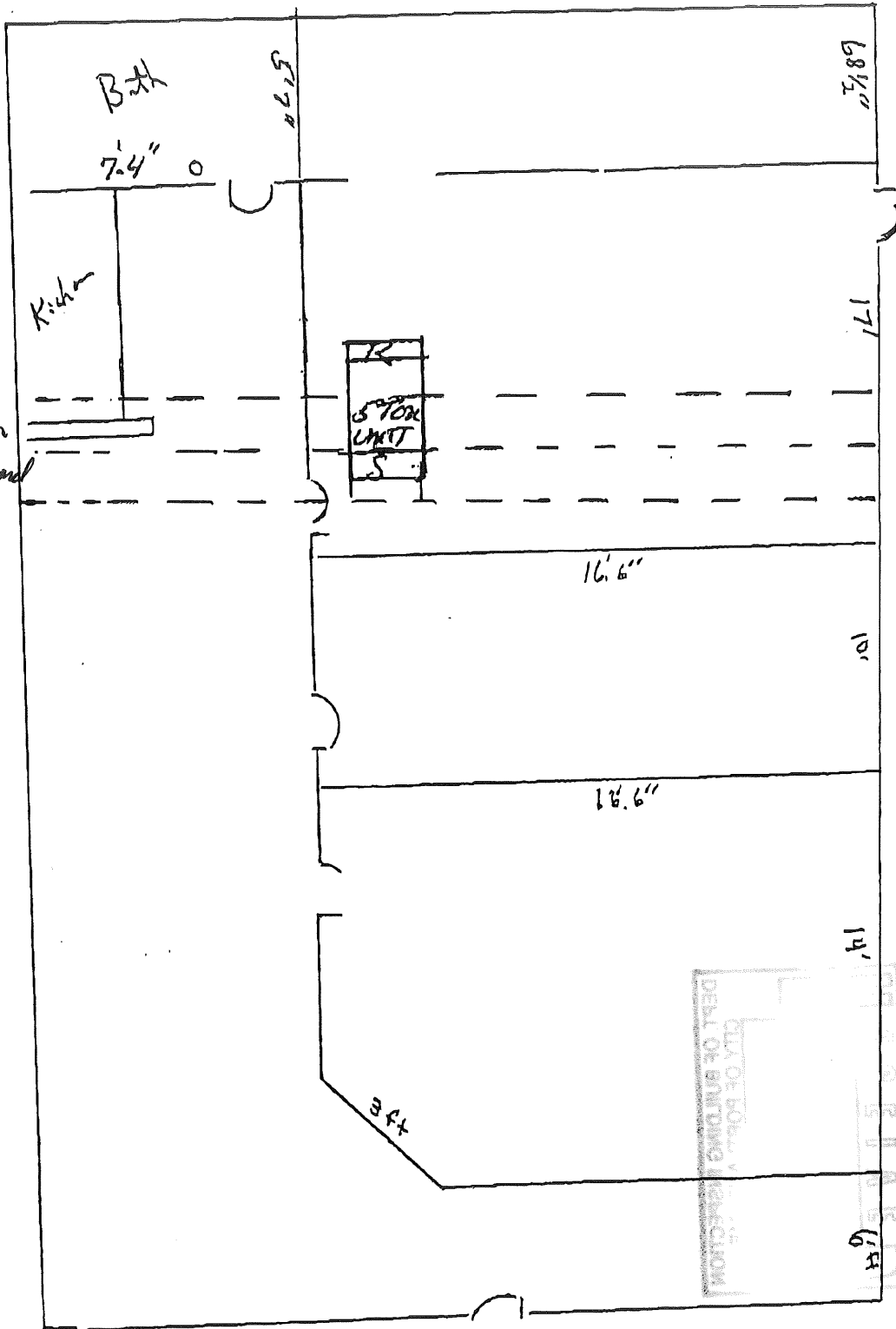
Tons	Unit Model No	Maximum Weights (Lbs) ¹		Corner Weights (Lbs) ²				Center of Gravity (In.)	
		Shipping	Net	A	B	C	D	Length	Width
3	YCD036C/YCD037C	782/811	621/651	209/217	158/159	116/124	138/151	37/36	19/20
4	YC*048C/YC*049C	811/845	639/672	218/221	159/168	123/131	142/153	37/37	19/20
5	YC*060C/YC*061C	831/901	639/713	219/230	163/178	126/137	152/170	36/38	20/21
5 1/4	YC*075C/YC*074C	938/958	750/767	238/240	192/199	144/151	178/177	39/40	21/21
7 1/2	YC*090C/YC*088C Single Compressor	982/965	793/777	262/246	203/199	151/151	177/180	39/39	21/21
	YC*090D/YC*081D Dual Compressor	1044/1057	855/869	297/298	208/214	151/156	199/200	37/37	20/20
8 1/2	YC*102C/YC*103B	1171/1488	962/1213	320/400	252/333	172/221	218/260	39/43	20/25
10	YC*120B/YC*121B	1465/1506	1190/1231	398/400	321/333	208/221	258/277	42/42	25/26
	YC*120C	1198	994	329	262	178	224	39	20
12 1/2	YC*150C/YC*151B	1556/1843	1241/1503	403/512	338/372	223/258	278/380	43/46	26/29
15	YC*180B/YC*181B	1795/2459	1415/1994	512/634	372/520	257/371	354/468	45/55	29/38
17 1/2	YC*210C/YC*211B	1915/2441	1535/2021	514/648	388/531	272/373	362/470	46/55	29/35
20	YC*240B/YC*241B	2415/2521	1995/2101	656/700	503/535	352/376	459/491	53/53	35/35
	YC*300B	2525	2105	701	537	376	491	53	35

NOTE

1. Corner weights are given for information only. 8 1/2-25 ton units must be supported continuously by a curb or equivalent frame support.
2. Weights are approximate. Horizontal and Downflow unit and corner weights may vary slightly.



*Indicates both downflow and horizontal units.



Construction
 2x4 construction
 Sheet rock wallboard
 hollow doors
 Suspended ceiling

REGIONAL OFFICE
 1136 FOREST AVE
 PORTLAND ME
 P02

WICKES LUMBER CO.
 238 RIVERSIDE ST.
 PORTLAND, ME 04103
 772-2884

DATE: 02-17-1995

JOB NO. 14785508

Option 1

FOR: MERRIL 10X22

SHIP TO:

Use For	Qty	Stock No.	Description	Price	Amount
=====					
Unit 1: Platform * * * 10' 0 x 22' 0 x 3' 0					
- Posts	9	PC 1048560	TREATED 4X4-8 #2 CCA		
- Girder	7	PC 1048719	TREATED 2X10-12 #2 CCA		
- Joists	17	PC 1048644	TREATED 2X8-10 #2 CCA		
- Joists	1	PC 1048644	TREATED 2X8-10 #2 CCA		
- Joists	1	PC 1048644	TREATED 2X8-10 #2 CCA		
- Joist Hangers	38	EA 2381119	KANT-SAG JOIST SUPPORT 2X8/12		
- Ledger	1	PC 1048479	TREATED 2X8-16 #2 CCA		
- Ledger	1	PC 1048644	TREATED 2X8-10 #2 CCA		
- Header	1	PC 1048479	TREATED 2X8-16 #2 CCA		
- Header	1	PC 1048644	TREATED 2X8-10 #2 CCA		
- Decking	14	PC 1040518	TREATED 5/4X6-8 STD CCA		
- Decking	14	PC 1040534	TREATED 5/4X6-12 STD CCA		
- Decking	14	PC 1040559	TREATED 5/4X6-16 STD CCA		
- Bottom Rail	3	PC 1048362	TREATED 2X4-14 #2 CCA		