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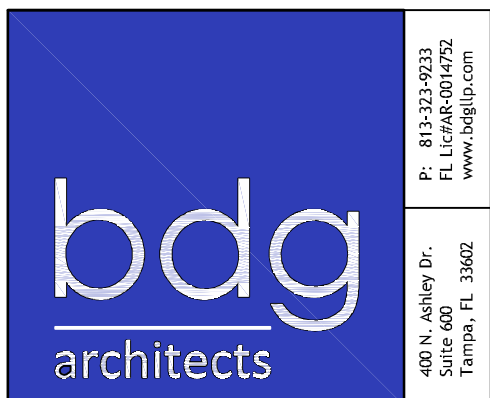
## ISSUE DATE:


DRAWN BY: BDG

PANDA PROJECT #: D24956

PANDA STORE #: TBD

ARCH PROJECT #: 239201



Panda Express - Concord NC (D24955)  
450 Kannapolis Parkway,  
Concord, NC, 28027

NOTE: UNLESS OTHERWISE STATED, PANDA RESTAURANT GROUP SHALL PROVIDE ALL EQUIPMENT ON THE FOLLOWING CAPTIVEAIRE SHEETS, INCLUDING HOODS, FIRE SYTEM, EXHAUST FANS, SUPPLY FAN, BATHROOM FAN AND ELECTRICAL INTERLOCK PACKAGE
DOUBLE WALL DUCT BY MECHANICAL PLEASE USE CONTACT BELOW FOR PRICING
<u>ANSUL GAS VALVE:</u>
THE ANSUL GAS VALVE IS PROVIDED BY CAPTIVEAIRE SYSTEMS. CONTACT OUR OFFICE WITH THE VALVE SIZE 3 DAYS IN ADVANCE, WHEN IT IS NEEDED ON SITE.
FOR QUESTIONS CALL THE CAPTIVEAIRE SOUTHERN CANADIAN ACCOUNTS OFFICE 3002 DOW AVE., SUITE 410 TUSTIN, CA 92780 TEL: 714-677-2963 FAX: REG839CAPTIVEAIRE.COM

**KPI ENGINEERING, INC**

PROFESSIONAL ENGINEERS

*"No matter the Scope, KPI has YOU Covered"*

3203 QUEEN PALM DRIVE  
TAMPA, FLORIDA 33619  
PHONE (813) 241-6488  
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BOARD OF PROFESSIONAL ENGINEERS - LICENSE # C-4670

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	FRYERS	1	DU180HFA	CAPTIVEAIRE	3400	1.588	1399	DDP,PREMIUM	3.000	1.9700	3	208	9.5	785 FPM	190	22.7
2	RICE	1	DU180HFA	CAPTIVEAIRE	2900	1.178	1199	DDP,PREMIUM	3.000	1.2400	3	208	9.5	670 FPM	190	17.3
3		1	DR12HFA	CAPTIVEAIRE	450	0.250	1220	TEAO-ECM	0.250	0.0810	1	115	2.9		50	5.4

FAN UNIT NO	TAG	FAN UNIT MODEL #	CONDENSER NO	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MAX FUSE SIZE	MIN WIRE SIZE	SEER
4		A3-D1500-24D-MPU	1	5	208-230	3 PHASE	60 HZ	21.4 AMPS	17.4 AMPS	30 AMPS	10 AWG	14
			2	5	208-230	3 PHASE	60 HZ	21.4 AMPS	17.4 AMPS	30 AMPS	10 AWG	14

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MDCP	WEIGHT (LBS)	SONES
4		1	A3-D500-24D-MPU	24MF-3-MOD	A3-D500	3600	5540	0.900	1406	ODP, PREMIUM	10.000	5.2820	3	208	27.0	35A	60A	1916	13

[illegible]

FAN UNIT NO	TAG	INPUT BTUS	OUTPUT BTUS	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
4		326087	300000	50°F	7 IN. W.C. ~ 14 IN. W.C.	NATURAL	92

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	FRYERS	1	GREASE BOX
		1	UPBLAST FAN WHEEL ACCESS PORT
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	2 YEAR PARTS WARRANTY
2	RICE	1	GREASE BOX
		1	UPBLAST FAN WHEEL ACCESS PORT
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	2 YEAR PARTS WARRANTY
3		1	ECM WIRING PACKAGE - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -RTC- (TELCO MOTOR), CCW ROTATION
		1	1 12-BDD DAMPER
		1	2 YEAR PARTS WARRANTY
4		1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC
		1	MOTORIZED BACKDRAFT DAMPER FOR A3-D HOUSING - MEETS AMCA CLASS 1A RATING
		1	10 TON 2 CIRCUIT (5/5) MODULAR PACKAGED COOLING OPTION FOR SIZE 3 DF/EH MUA (3,500 TO 6,000 CFM), 208V/230V, 3 PHASE, CODLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION
		1	DOWNTURN PLENUM FOR SIZE 3 DX COIL MODULE
		1	SHIP CONDENSERS LOOSE - TWO CONDENSERS, THREE, PHASE - CONDENSER DISCONNECTS SHIPPED LOOSE. ALL PIPING AND WIRING BETWEEN INDOOR AND OUTDOOR UNITS BY OTHERS
		1	LOW FIRE START
		1	BUTTERFLY MOD VALVE OPTION FOR MOD SIZE 3 (1" MOD VALVE)
		1	UNIT MOUNTED VFD FOR USE WITH ECPM03
		1	2 YEAR PARTS WARRANTY

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	FRYERS	YES						
2	RICE	YES						
3			YES					
4							YES	

NO	DN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	FRYERS	34 LBS	CURB	26.500" W X 26.500" L X 30.000" H ALONG LENGTH, RIGHT VENTED HINGED.
2	# 2	RICE	34 LBS	CURB	26.500" W X 26.500" L X 30.000" H ALONG LENGTH, RIGHT VENTED HINGED.
3	# 3		16 LBS	CURB	17.500" W X 17.500" L X 12.000" H ALONG LENGTH, RIGHT.
4	# 4		114 LBS	CURB	35.000" W X 84.000" L X 20.000" H ALONG WIDTH, RIGHT INSULATED.
	# 4			RAIL	6.000" W X 35.000" L X 20.000" H RIGHT.

Technical drawing of the Toro 225cc engine showing dimensions:

- Top width: 37 3/8"
- Left height: 33 3/4"
- Right height: 22 5/8"
- Base width: 16 1/2"
- Base height: 2"
- Overall width at base: 26"
- Overall width at bottom: 28"
- Label: GREASE DRAIN.

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

### NORMAL TEMPERATURE TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

### ABNORMAL FLARE-UP TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

- GREASE BOX.
- UPBLAST FAN WHEEL ACCESS PORT.
- FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.
- 2 YEAR PARTS WARRANTY.

Technical drawing of a circular object, likely a wellhead or similar industrial component. The drawing shows concentric circles representing different parts of the assembly. A square frame is overlaid on the circles. Dimensions are provided: the outermost circle has a diameter of 37 3/8 inches, and the square frame has a side length of 28 inches.

TOP VIEW

