



RPM= 358
HP= 4.3 PER FAN
BLADE ANGLE= 20

1. WEIGHT: 8387 POUNDS
2. FINISH: RED OXIDE SLX1049-01 PRIMER
3. FAN DRIVEN BY V-BELT DRIVE BY (1)5HP,1750 RPM,3PH,460V,60HZ,XP Motor (Rev. June, 2011)
4. ASME CODE ON AC,

UNIT: 0627801 - 02
TAG:
JOB: 06278

[illegible]



AIR COOLED EXCHANGERS, INC.

P.O. BOX 577 - BROKEN ARROW, OKLAHOMA 74013

Ph (918) 251-7477

Fax (918) 258-1833

E-MAIL: MAILHUB@ACE-COOLERS.COM

COOLER PERFORMANCE SPECIFICATION

CUSTOMER	NATCO	PROPOSAL NUMBER	06278R0
REFERENCE	Per Proposal 6154PWA	DATE	8/25/2006
MODEL	E96-14	PAGE	1

PERFORMANCE OF ONE UNIT

SERVICE	AC
FLOW	20.00MMSCFD
FLUID	.7
TEMPERATURE IN, F	215.0
TEMPERATURE OUT, F	120.0
INLET PRESSURE, PSIG	1000.0
PRESSURE DROP, PSI	13.1
DUTY, BTU/HOUR	2714664
CORRECTED MTD	43.7
BARE TUBE RATE	99.4
FOULING	0.00200
BARE SURFACE, SQ. FT.	625
TOTAL SURFACE SQ. FT.	9945

CONSTRUCTION

NO. SECTIONS	1
NO. TUBES/SECTION	278
LENGTH	14.0
NO. ROWS	4
NO. PASSES	4
COUNTERFLOW	YES
TUBE O.D. AND BWG	.625X18BWG
TUBE MATERIAL	SA249(WLD304)
DESIGN PRESSURE, PSI	1440
DESIGN TEMPERATURE, F	350/-20
NOZZLES-INLET	4-900RTJ
NOZZLES-OUTLET	4-900RTJ
HEADER TYPE	BOX W/PLUGS
HEADER MATERIAL	SA-516-70
ASME CODE STAMP	YES
GROOVED TUBE SHEET	
CORROSION ALLOWANCE	
PLUGS, TYPE	TAPER
PLUGS, MATERIAL	SA-105
TURBULATORS	
ACCELERATORS	
LOUVERS	MANUAL
STRESS RELIEVE	NO
NDE	
ADDITIONAL CODES	
CANADIAN REGISTRATION	
ADDITIONAL COUPLINGS	
BYPASS NOZZLE	
FINS	HYPERF MARINE

AIR DATA

INLET AIR, F	95.0	ELEVATION, FT.	2500
OUTLET AIR, F	145.1	TOTAL SCFM	49920

MECHANICAL EQUIPMENT

NO FANS	1	HP/FAN	4.3	RPM	358	DIA	96
FAN	MOORE SERIES 24	FAN MATERIAL	ALUM	NUMBER OF BLADES	3	PITCH	20 DEGREES
V-BELT DRIVE BY (1)	5//3HP, 1750//1450RPM, 3PH, 60//50HZ, 184T, 3						
DRAFT TYPE	FORCED						
EST SHIPPING WEIGHT	8285	WIDTH	8.9	LENGTH	15.1	HEIGHT	8.1
ACCESSORIES							
FINISH	ACE standard primer						
COOLER USES				Baldor 5//3HP, 1750//1450RPM, 3PH, 60//50HZ, 184T, 3			