



200HP / H304 / 4-stage

Driver

Missing (Can install Caterpillar G3406NA or 250HP motor)

Compressor

GE/Gemini H304

S/N: HSR-006025

Mfg: 05/24/2012

R/L: 20,000#

Cylinders

GE/Gemini H304

8.0" H-DA (S/N:101982-1-4) 500# w/ VVCP

6.0" H-DA (S/N: 081063-1-3) 500# w/ VVCP

3.5" H-DA (S/N: 104994-1-6) 1250# w/ VVCP

2.5" H-DA (S/N: 077496-1-1) 1440#

Cooler

Air Cooled Exchangers Model C72 (S/N: 1207803)

EJW	IC1	IC2	IC3	AC
150	215	1440#	1440#	2200#

Pressure Vessels

	Diam.	MAWP	S/N	YR	Mfg
Suction	16"	720#	3832	1998	Winston Royal Guard
1 st Interstage	12"	720#	3838	1998	Winston Royal Guard
2 nd Interstage	8"	1420#	A06-713	2006	Winston Royal Guard
3 rd Interstage	8"	1420#	V20256-2	2001	Winston Royal Guard

Miscellaneous

Control panel missing

Some scrubber level control devices are missing

Fuel scrubber is missing

Unit Notes

Unit was originally packaged with a Caterpillar G3406NA engine, but it has been pulled. It can be rebuilt with a replacement engine or converted to an electric package if desired. Originally packaged in 2012, three cooler sections were changed out in 2020 to allow for higher discharge pressures.



RPM= 636
HP= 11.3 PER FAN
BLADE ANGLE= 14

SEE CL BELOW - THESE DIMENSION (S) ARE SYMETRICAL
ABOUT THE CENTER OF COOLER.

UNIT: 1207801-08
TAG:
JOB: 12078

NOTES

1. WEIGHT: 4348 POUNDS
2. FINISH: ACE std prep. w/ one coat ACE std primer
3. FAN DRIVEN BY V-Belt Drive By Others
4. ASME CODE ON IC1,IC2,IC3,AC,
5. 1" 3000# CPLG IN ALL GAS NOZZLES

[illegible]



AIR COOLED EXCHANGERS, LLC

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COOLER PERFORMANCE SPECIFICATION IS SHOWN FOR ONE BAY. (1) BAYS REQUIRED.

CUSTOMER	McClung	PROPOSAL NUMBER	12078R3.DAT
REFERENCE	MGC Equip{CAT 3406 NA 215HP 10.3:1 STD 1800 rpm}	DATE	3/7/2012
MODEL	C72-9	PAGE	1

PERFORMANCE OF ONE UNIT

SERVICE	EJW	IC1	IC2	IC3	AC
FLOW	115.0GPM	0.27MMSCFD	1.02MMSCFD	1.02MMSCFD	1.02MMSCFD
FLUID	50%GLY	1.46	.89	.89	.89
TEMPERATURE IN, F	190.0	263.3	249.0	210.5	203.0
TEMPERATURE OUT, F	174.8	120.0	120.0	120.0	120.0
INLET PRESSURE, PSIG		39.4	235.6	502.5	1010.2
PRESSURE DROP, PSI	4.1	0.6	4.2	3.8	3.8
DUTY, BTU/HOUR	774932.4	107719.2	191640.8	142832.1	155271.4
CORRECTED MTD	58.7	59.7	53.8	42.0	38.9
BARE TUBE RATE	207.8	35.8	65.5	91.3	107.4
FOULING	0.000500	0.002000	0.002000	0.002000	0.002000
BARE SURFACE, SQ. FT.	64	50	54	37	37
TOTAL SURFACE SQ. FT.	1519	1078	865	592	592

CONSTRUCTION

NO. SECTIONS	1	1	COMBINED	COMBINED	1
NO. TUBES/SECTION	37	22	38	26	26
LENGTH	9.0	9.0	9.0	9.0	9.0
NO. ROWS	3	4	4	4	4
NO. PASSES	2	3	3	3	4
COUNTERFLOW					
TUBE O.D. AND BWG	.75X16BWG	1X16BWG	.625X16BWG	.625X16BWG	.625X16BWG
TUBE MATERIAL	SA214(WLD)	SA214(WLD)	SA214(WLD)	SA214(WLD)	SA214(WLD)
DESIGN PRESSURE, PSI	100.00	215.00	500.00	645.00	1287.00
DESIGN TEMPERATURE, F	350/-20	350/-20	350/-20	350/-20	350/-20
NOZZLES-INLET	3-150RF	3-150RF	3-300RF	2-300RF	2-600RF
NOZZLES-OUTLET	3-150RF	3-150RF	3-300RF	2-300RF	2-600RF
HEADER TYPE	RECT TUBE	BOX W/PLUGS	BOX W/PLUGS	BOX W/PLUGS	BOX W/PLUGS
HEADER MATERIAL	STEEL	SA-516-70	SA-516-70	SA-516-70	SA-516-70
ASME CODE STAMP		YES	YES	YES	YES
GROOVED TUBE SHEET	YES				
CORROSION ALLOWANCE					
PLUGS, TYPE	TAPER	SHOULDER	TAPER	TAPER	TAPER
PLUGS, MATERIAL	STEEL	SA-105	SA-105	SA-105	SA-105
TURBULATORS					
ACCELERATORS					
LOUVER CONTROL		MANUAL	W/IC1	W/IC1	W/IC1
STRESS RELIEVE	NONE	NO	NO	NO	NO
NDE					
ADDITIONAL CODES					
CANADIAN REGISTRATION					
ADDITIONAL COUPLINGS		2	2	2	2
BYPASS NOZZLE					
FINS	HYPERF L-FOOT	HYPERF L-FOOT	HYPERF L-FOOT	HYPERF L-FOOT	HYPERF L-FOOT

AIR DATA

INLET AIR, F	100.0	ELEVATION, FT.	0
OUTLET AIR, F	128.9	TOTAL SCFM	43742

MECHANICAL EQUIPMENT

NO FANS	1	HP/FAN	11.3	RPM	637	DIA	72
FAN	MOORE SERIES 24	FAN MATERIAL	ALUM	NUMBER OF BLADES	3	PITCH	14 DEGREES
V-Belt Drive	By Others						
DRAFT TYPE	FORCED						
EST SHIPPING WEIGHT	4348	WIDTH	9.9	LENGTH	5.1	HEIGHT	7.4
ACCESSORIES							
FINISH	ACE std prep. w/ one coat ACE std primer						