

NOTES:

- 1. FOR CUSTOMER CONNECTION SIZES AND LOCATIONS SEE FOUNDATION PLAN OF UNIT.
- 2. IF THE MOISTURE SEPARATOR OPTION IS NOT USED, THEN THE CONDENSATE DRAIN VALVE IS NOT REQUIRED.

REVISIONS					
ZONE	REV	ECN	DESCRIPTION	DATE	APPD
	A	78993	ORIGINAL RELEASE	2010AUG11	S. KUMAR
3-B2	B	79432	ITEM 11 - LOAD / BLOWDOWN VALVE - 1SV WAS 5SV.	2011FEB08	S. KUMAR
3-B7	C	79633	ADDED ITEM 57 (CHECK VALVE FOR VACUUM TRANSDUCER) FOR MODULATION UNITS ONLY.	2011MAR24	S. KUMAR
3-B7	D	79813	ADDED ITEM 58 (ORIFICE FOR VACUUM TRANSDUCER) FOR MODULATION UNITS ONLY.	2011MAY25	S. KUMAR
2-A6 3-A6	E	80827	ADDED ITEM 57 CHECK VALVE (OIL RETURN), ADDED ITEM 59 CHECK VALVE (OIL RETURN), UPDATED DRAWING FORMAT.	2012JUN12	G. FEE
1-A1 3-B7	F	82478	TITLE MODEL: 37-75KW WAS R55-75. ON SHT. 3. ADDED SYMBOL FOR INJECTED COOLANT TEMPERATURE SENSOR - 2CTT.	2014FEB07	S. MARCUS
2,3-A5 2-C4	G	83133	UPDATED THE DRAWING TO LATEST FORMAT. CHECK VALVE (OIL RETURN) LOCATION CHANGED TO OIL COOLER INLET FROM OIL COOLER OUTLET. REFER SHEET 4 WAS REFER SHEET 3.	2014SEP17	R. BOOKHOUT

D

D

C

C

B

B

A

A

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Ingersoll-Rand Industrial Technologies

DO NOT SCALE DRAWING
DRAWING CONFORMS TO ASME Y14.5M - 1994


CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

UNLESS OTHERWISE SPECIFIED:
- REMOVE ALL BURRS AND SHARP CORNERS
- WELD SYMBOLS TO BE IN ACCORDANCE WITH ANSI/AWS A2.4

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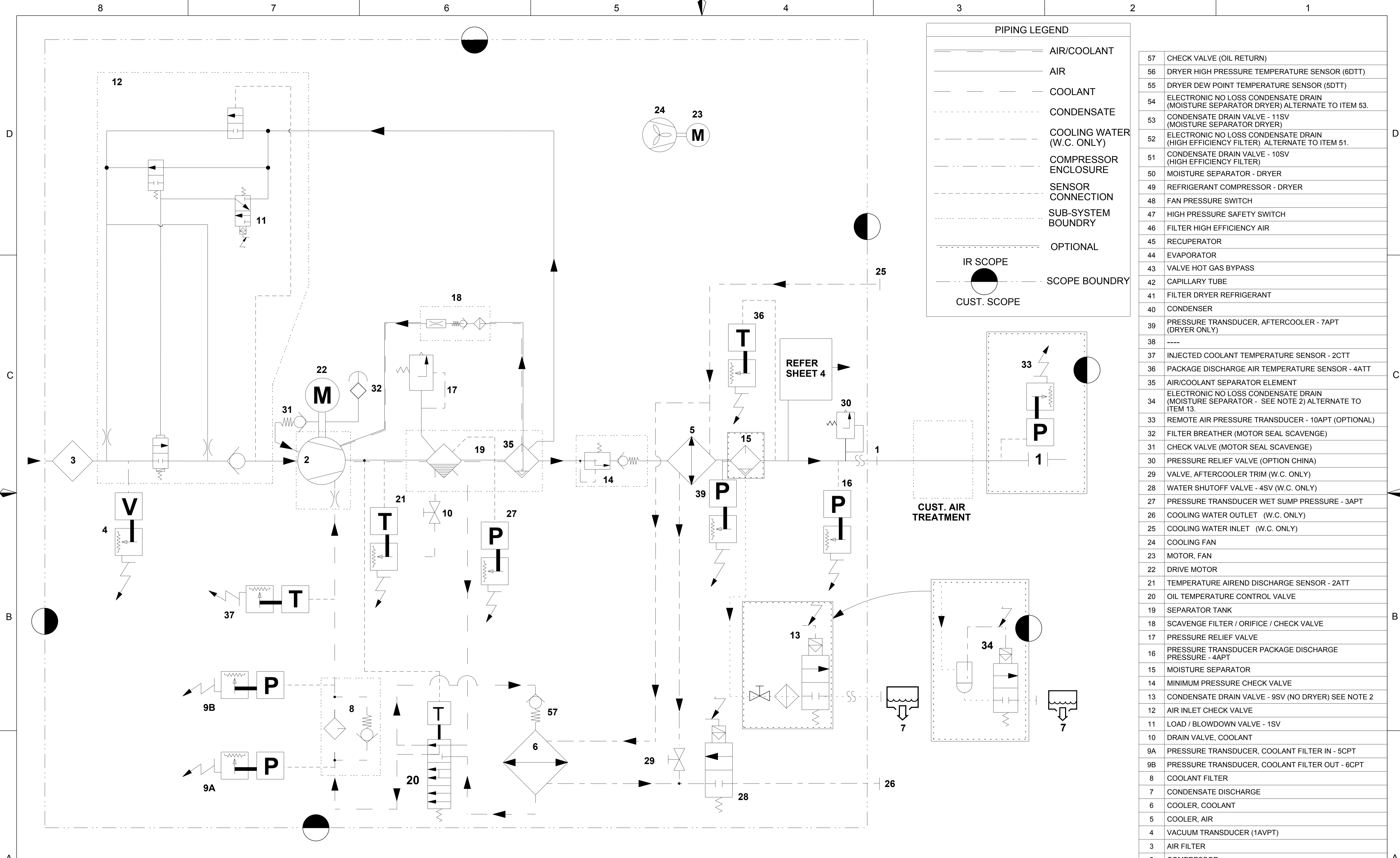
THIRD ANGLE PROJECTION	
DRAWN	DATE
N.VIJAY	2010AUG11
CHECKED	DATE
S.KUMAR	2010AUG11
APPROVED	DATE
S.KUMAR	2010AUG11

DRAWING TYPE
Process and Instrumentation Diagram



DIAGRAM, P & ID (AC/WC) 37-75 KW (FSD)

NAME			
SIZE	ESTIMATED WEIGHT (KG UNLESS OTHERWISE SPECIFIED)	DWG NO.	REVISION
A1	0.0 kilogram	23700339	G
SCALE	MODEL	PART NO.	SHEET
1.00	R37-75KW		1 of 4

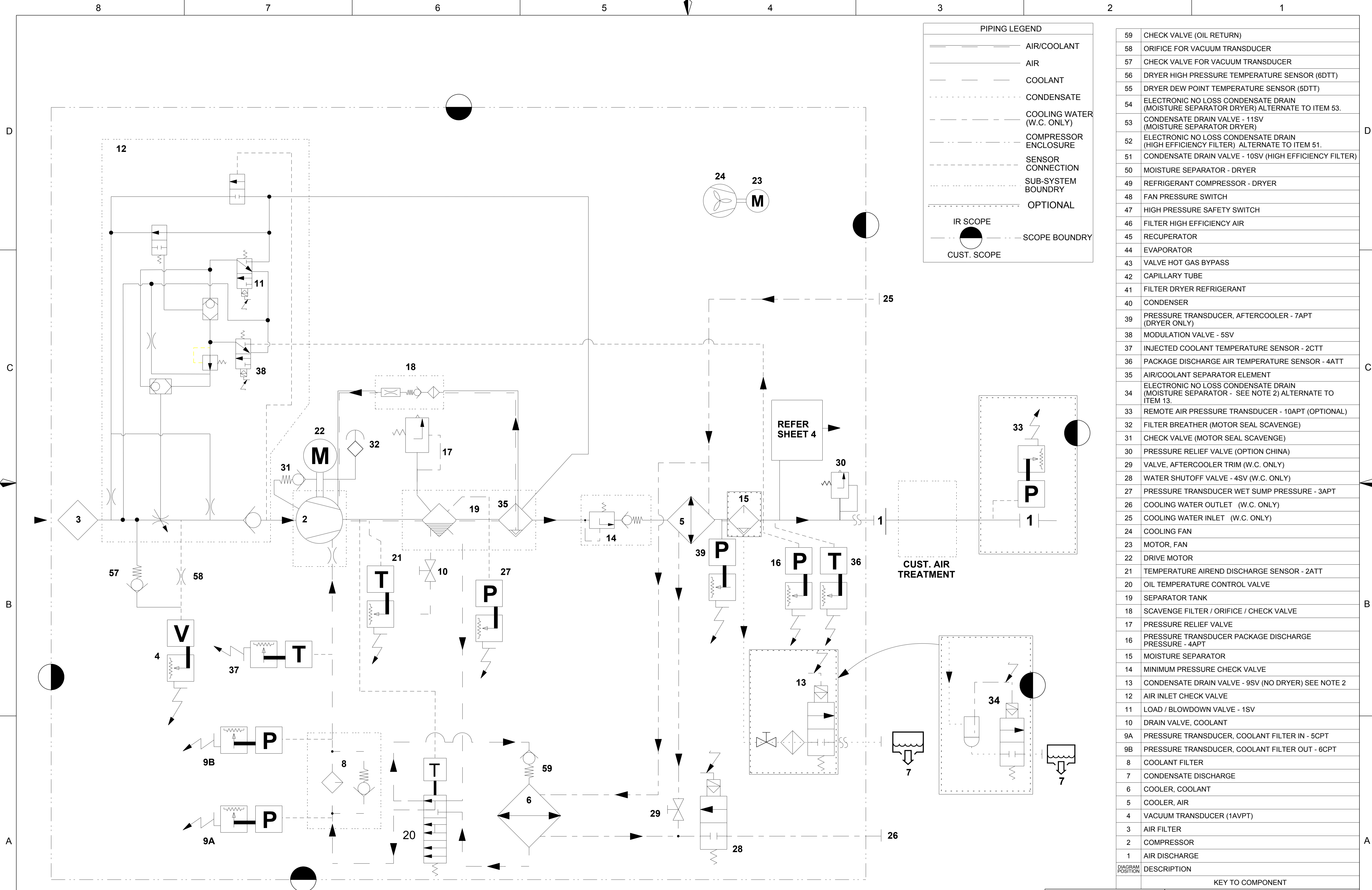


PIPING LEGEND	
	AIR/COOLANT
	AIR
	COOLANT
	CONDENSATE
	COOLING WATER (W.C. ONLY)
	COMPRESSOR ENCLOSURE
	SENSOR CONNECTION
	SUB-SYSTEM BOUNDARY
	OPTIONAL
	IR SCOPE
	SCOPE BOUNDARY
	CUST. SCOPE

57	CHECK VALVE (OIL RETURN)
56	DRYER HIGH PRESSURE TEMPERATURE SENSOR (6DTT)
55	DRYER DEW POINT TEMPERATURE SENSOR (5DTT)
54	ELECTRONIC NO LOSS CONDENSATE DRAIN (MOISTURE SEPARATOR DRYER) ALTERNATE TO ITEM 53.
53	CONDENSATE DRAIN VALVE - 11SV (MOISTURE SEPARATOR DRYER)
52	ELECTRONIC NO LOSS CONDENSATE DRAIN (HIGH EFFICIENCY FILTER) ALTERNATE TO ITEM 51.
51	CONDENSATE DRAIN VALVE - 10SV (HIGH EFFICIENCY FILTER)
50	MOISTURE SEPARATOR - DRYER
49	REFRIGERANT COMPRESSOR - DRYER
48	FAN PRESSURE SWITCH
47	HIGH PRESSURE SAFETY SWITCH
46	FILTER HIGH EFFICIENCY AIR
45	RECUPERATOR
44	EVAPORATOR
43	VALVE HOT GAS BYPASS
42	CAPILLARY TUBE
41	FILTER DRYER REFRIGERANT
40	CONDENSER
39	PRESSURE TRANSDUCER, AFTERCOOLER - 7APT (DRYER ONLY)
38	----
37	INJECTED COOLANT TEMPERATURE SENSOR - 2CTT
36	PACKAGE DISCHARGE AIR TEMPERATURE SENSOR - 4ATT
35	AIR/COOLANT SEPARATOR ELEMENT
34	ELECTRONIC NO LOSS CONDENSATE DRAIN (MOISTURE SEPARATOR - SEE NOTE 2) ALTERNATE TO ITEM 13.
33	REMOTE AIR PRESSURE TRANSDUCER - 10APT (OPTIONAL)
32	FILTER BREATHER (MOTOR SEAL SCAVENGE)
31	CHECK VALVE (MOTOR SEAL SCAVENGE)
30	PRESSURE RELIEF VALVE (OPTION CHINA)
29	VALVE, AFTERCOOLER TRIM (W.C. ONLY)
28	WATER SHUTOFF VALVE - 4SV (W.C. ONLY)
27	PRESSURE TRANSDUCER WET SUMP PRESSURE - 3APT
26	COOLING WATER OUTLET (W.C. ONLY)
25	COOLING WATER INLET (W.C. ONLY)
24	COOLING FAN
23	MOTOR, FAN
22	DRIVE MOTOR
21	TEMPERATURE AIREND DISCHARGE SENSOR - 2ATT
20	OIL TEMPERATURE CONTROL VALVE
19	SEPARATOR TANK
18	SCAVENGE FILTER / ORIFICE / CHECK VALVE
17	PRESSURE RELIEF VALVE
16	PRESSURE TRANSDUCER PACKAGE DISCHARGE PRESSURE - 4APT
15	MOISTURE SEPARATOR
14	MINIMUM PRESSURE CHECK VALVE
13	CONDENSATE DRAIN VALVE - 9SV (NO DRYER) SEE NOTE 2
12	AIR INLET CHECK VALVE
11	LOAD / BLOWDOWN VALVE - 1SV
10	DRAIN VALVE, COOLANT
9A	PRESSURE TRANSDUCER, COOLANT FILTER IN - 5CPT
9B	PRESSURE TRANSDUCER, COOLANT FILTER OUT - 6CPT
8	COOLANT FILTER
7	CONDENSATE DISCHARGE
6	COOLER, COOLANT
5	COOLER, AIR
4	VACUUM TRANSDUCER (1AVPT)
3	AIR FILTER
2	COMPRESSOR
1	AIR DISCHARGE
DIAGRAM POSITION	DESCRIPTION
KEY TO COMPONENT	

STANDARD CONTROL SYSTEM

PROPRIETARY NOTICE		NAME	
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SIZE	DWG NO.	REVISION	
A1		G	
PART NO.	SCALE		SHEET
23700339	1:00 NOMENCLATURE		2 of 4



CONTROL SYSTEM WITH MODULATION OPTION

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NAME	DIAGRAM, P & ID (AC/WC)	
	37-75 KW (FSD)	
SIZE	DWG NO.	REVISION
A1	23700339	G
SCALE	PART NO.	SHEET
1:00	NOMENCLATURE	3 of 4

