



- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES.
 2. A DISCHARGE STOP/CHECK VALVE TO BE SHIPPED LOOSE. MOUNT AS CLOSE TO CONDENSER AS POSSIBLE. IN A HORIZONTAL LINE, VALVE STEM MUST BE IN THE VERTICAL POSITION AS SHOWN. VALVES SIZED PER CONDITIONS.
 3. SEPARATE DISCHARGE STOP & CHECK VALVES ARE OPTIONAL AND SHIPPED LOOSE.
 4. DUAL RELIEF VALVE COMPONENTS TO BE SHIPPED LOOSE.
 5. DASHED MOTOR (FRAME 449 TS) IS SHOWN FOR REFERENCE ONLY. SEE TABLE 2 AND MOTOR DATA SHEET FOR DETAILS.
 6. FLANGE BOLT HOLES STRADDLE CENTERLINES UNLESS OTHERWISE NOTED.
 7. PRESSURE GAUGES WILL SHIP LOOSE. (OPTIONAL)
 8. SOME DETAILS HAVE BEEN REMOVED FOR CLARITY.
 9. SHIPPING HEIGHT WITHOUT ACTUATOR.

CONNECTION SCHEDULE

I.D.	SIZE	CONNECTION	FUNCTION
A	SEE CHART A	BUTT WELD (SCH. 40)	SUCTION INLET
B	5.00	BUTT WELD (SCH. 40)	DISCHARGE OUTLET
D	5.00-14	PT	PRESSURE RELIEF SEE NOTE 4
E	5.00-14	PT	OIL DRAIN & CHARGER WHEN UNIT NOT RUNNING
F	2.50-18	PT	OIL CHARGER WHEN UNIT IS RUNNING
G	2.00-300#	ANSI FLANGE	STANDARD ECON-O-MIZER INLET
H	4.00-300#	ANSI FLANGE	OVERSIZE ECON-O-MIZER INLET
J	2.50-18	PT	REFRIGERATION INLET
K	SEE CHART B	PT	REFRIGERATION OUTLET
L	5.00-14	PT	HEAT EXCHANGER OIL DRAIN (SHELL SIDE)
M	5.00-14	PT	HEAT EXCHANGER OIL DRAIN (TUBE SIDE)
N	2.50-18	PT	OIL DRAIN, OIL STRAINER
P	3.125	PT	OIL DRAIN, OIL FILTER

SHIPPING WEIGHT (ADD EACH TABLE FOR ESTIMATED SHIPPING WEIGHT)

TABLE 1		TABLE 4		TABLE 3	
SEPARATOR, SUCTION, PIPING & FILTERS	U (LBS)	COMPRESSOR WEIGHT (LBS)	SIZE	OPTIONAL DUAL FILTERS	WEIGHT (LBS)
6"	6680	VSS-1551	3180		
8"	6880	VSS-1851	3220	+274 LBS	
TABLE 5					
OIL COOLING COOLER WEIGHT (LBS)		NEMA FRAMES TYPICAL WEIGHT (LBS)		OIL COOLING COOLER WEIGHT (LBS)	
LENGTH	WEIGHT	FRAME (ODP)	FRAME (ODP)	FRAME (ODP)	WEIGHT
6"	550	254T	260	359TS	780
8"	770	256T	270	404TS	900
10'	1050	284T	360	405TS	1300
12'	1380	324T	400	444TS	1300
14'	1690	326T	480	445TS	1475
16'	1980	326T	540	447TS	1770
18'	2270	364TS	725	449TS	2135

CHART A (refer to line sizes)

SUCTION LINE SIZE	STOP/CHK VALVE	AA	HALO
6"	3/8	7.0	13.75
8"	1/2	12.75	13.75
10"	3/4	19.0	19.0
12"	1	27.9	27.9

CHART B (REFER TO ORDER COPY FOR COOLER SIZE)

COOLER DIA	EE INLET/WATER INLET	EE INLET/WATER OUTLET
6"	8.1	11.2
8"	10.1	10.2
10"	12.4	9.1
12"	14.4	8.1
14"	15.6	7.6

OIL CHARGE

US GALS. (LBS.)	DOUBLE FILTER
111(833)	119(893)

OIL CHARGE ADDERS

LONG DIA.	U.S. GALS (LBS)
6"	15(113)
8"	20(150)
10"	30(225)
12"	39(295)
14"	18(135)
6"	25(190)
8"	32(240)
10"	37(295)
12"	47(355)

REV	DATE	BY	CHKD	REASON

THIS DRAWING IS SUITABLE FOR COUNTER-CLOCKWISE 350mm VSS COMPRESSOR VSS 1551, 1851 AND 2101
 Ø 36.00 OIL SEPARATOR
 HIGH STAGE, BOOSTER, OR SWING OIL HEAT EXCH - THERMOSYPHON ECON-O-MIZER (STD OR OVERSIZE CONNECTIONS) SINGLE OR DUAL FILTERS

VILTER
 VILTER MANUFACTURING, LLC
 11501 WILSON ROAD
 WILSON, KY 40394
 TEL: 502.744.2111 FAX: 502.744.0111

DESIGN: KJB CHECKED: WCS DATE: 02/10/09
 SCALE: N.T.S.
 DRAWN: SS90108 APPROVED: RHK DATE: 02/10/09

PROPERTY OF
VILTER
 SINCE 1857

ORDER NO. STD. DWG. 27966-3R0