



DIL CHARGE	
U.S. GALS (LBS)	
SINGLE FILTER	82(614)
DOUBLE FILTER	87(652)

- NOTES)
1. ALL DIMENSIONS ARE IN INCHES.
 2. A DISCHARGE STOP/CHECK VALVE TO BE SHIPPED 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 TO BE SHIPPED LOOSE. FOR AMMONIA VALVE IS SET AT 250 PSIG. IT HAS 1/2" INLET X 1" OUTLET CONNECTIONS RATED FOR 577 LBS AIR/MIN. FOR R-22: VALVE IS SET AT 300 PSIG. IT HAS 1 1/4" INLET X 1 1/2" OUTLET CONNECTIONS RATED FOR 1381 LBS AIR/MIN. FOR R-507: VALVE IS SET AT 300 PSIG. IT HAS 1 1/4" INLET X 1 1/2" OUTLET CONNECTIONS RATED FOR 1602 LBS AIR/MIN. FOR R-134a: VALVE IS SET AT 300 PSIG. IT HAS 1" INLET X 1 1/4" OUTLET CONNECTIONS RATED FOR 1016 LBS AIR/MIN.

5. DASHED MOTOR FRAME 444 TSO IS SHOWN FOR REFERENCE ONLY. SEE TABLE 2 AND MOTOR DATA SHEET FOR DETAILS.
6. FLANGE BOLT HOLES STRADDLE CENTERLINES UNLESS OTHERWISE NOTED.
7. ALL PRESSURE GAUGES WILL SHIP LOOSE.
8. SOME DETAILS HAVE BEEN REMOVED FOR CLARITY.
9. REMOVAL OF ACTUATOR MOTOR WILL RESULT IN A 5 INCH HEIGHT REDUCTION. REMOVAL OF THE COMMAND SHAFT WILL RESULT IN AN ADDITIONAL 25 INCHES OF HEIGHT REDUCTION.

* THIS DRAWING IS SUITABLE FOR COUNTER-CLOCKWISE 280mm VSS COMPRESSOR VSS 751 AND 901
 Ø 30.00 OIL SEPARATOR
 HIGH STAGE OR SWING
 V-PLUS OIL COOLING
 ECOND-MIZER (STD OR OVERSIZE CONNECTIONS)
 SINGLE OR DUAL FILTERS

CONNECTION SCHEDULE

ID.	SIZE	CONNECTION	FUNCTION
A	SEE CHART A	BUTT WELD (SCH. 40)	SUCTION INLET
B	5.00	BUTT WELD (SCH. 40)	DISCHARGE OUTLET
C	10, 15, OR 20**	SW	HIGH-PRESS. LIQUID INLET V-PLUS
D	.500-14	1PT	PRESSURE RELIEF SEE NOTE 4
E	.500-14	1PT	OIL DRAIN & CHARGER WHEN UNIT NOT RUNNING
F	.250-18	1PT	OIL CHARGER WHEN UNIT IS RUNNING
G	1.50-300#	ANSI FLANGE	STANDARD ECOND-MIZER INLET
H	2.50-300#	ANSI FLANGE	OVERSIZE ECOND-MIZER INLET
	2.50-18	1PT	TRANS-DUCER BLOCK/BLEED

**VARIES W/ COOLING LOAD

SHIPPING WEIGHT (400 EACH TABLE FOR ESTIMATED SHIPPING WEIGHT)

TABLE 1		TABLE 2	
SUCTION LINE SIZE	SEPARATOR, SUCTON, PIPING & V-PLUS (LBS)	NEMA FRAMES	TYPICAL MOTORS
5"	3665	FRAME (LBS)	WEIGHT (ODP)
6"	3700	FRAME (LBS)	WEIGHT (ODP)
TABLE 3		TABLE 4	
OPTIONAL DUAL FILTERS	+75 LBS	COMPRESSOR WEIGHT (LBS)	WEIGHT (LBS)
VSS-751	1600	VSS-751	1600
VSS-901	1650	VSS-901	1650

CHART A (REFER TO TABLES CPT1 FOR LINE SIZES)

SUCTION LINE SIZE	STD. ARRANGEMENT COMBINED STOP/CHK VALVE	FOR BOTH STD OPT ARRANGEMENT	OPT. ARRANGEMENT SEPARATE STOP & CHK VALVES	TOP OF STRAINER HOUSING
5"	AA	BB	AA	DD
6"	AA	BB	AA	DD

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DRAWN BY: JDS
 CHECKED BY: RPK
 APPROVED BY: RPK
 DATE: 4/10/06

TITLE: GEN DIMENSIONS 280MM VSS-751 AND 901 W/ Ø 30.0 SEPARATOR FOR V-PLUS OIL COOLING, AC DRIVE

27756-5 R0