



- NOTES:
- ALL DIMENSIONS ARE IN INCHES.
  - 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.
  - SEPARATE DISCHARGE STOP & CHECK VALVES ARE OPTIONAL AND SHIPPED LOOSE.
  - DUAL RELIEF VALVE TO BE SHIPPED LOOSE. FOR AMMONIA: VALVE IS SET AT 250 PSIG. IT HAS 1/2" INLET X 1 1/2" OUTLET CONNECTIONS RATED FOR 57.7 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 138.1 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 160.2 LBS AIR/MIN. FOR R-134a: VALVE IS SET AT 300 PSIG. IT HAS 1" INLET X 1 1/4" OUTLET CONNECTIONS RATED FOR 101.6 LBS AIR/MIN.
  - DASHED MOTOR (FRAME 444 TSC) IS SHOWN FOR REFERENCE ONLY. SEE TABLE 2 AND MOTOR DATA SHEET FOR DETAILS.
  - FLANGE BOLT HOLES STRADDLE CENTERLINES UNLESS OTHERWISE NOTED.
  - ALL PRESSURE GAUGES WILL SHIP LOOSE.
  - SOME DETAILS HAVE BEEN REMOVED FOR CLARITY.
  - REMOVAL OF ACTUATOR MOTOR WILL RESULT IN A 6-1/2 INCH HEIGHT REDUCTION. REMOVAL OF THE COMMAND SHAFT WILL RESULT IN AN ADDITIONAL 2.5 INCHES OF HEIGHT REDUCTION.

\* THIS DRAWING IS SUITABLE FOR COUNTER-CLOCKWISE 280mm VSS COMPRESSOR VSS 751 AND 901 Ø 30.0 OIL SEPARATOR HIGH STAGE, BOOSTER, OR SWING LIQUID INJECTION OIL COOLING ECON-D-MIZER (STD OR OVERSIZE CONNECTIONS) SINGLE OR DUAL FILTERS

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
C	.500-14	IPT	HI-PRESS LIQ INJ 1 THRU 20 TX VALVE
D	1.0-14	IPT	HI-PRESS LIQ INJ 33 THRU 85 TX VALVE
E	.500-14	IPT	PRESSURE RELIEF SEE NOTE 4
F	.500-14	IPT	OIL DRAIN & CHARGER WHEN UNIT NOT RUNNING
G	.250-18	IPT	OIL CHARGER WHEN UNIT IS RUNNING
H	1.50-300#	ANSI FLANGE	STANDARD ECON-D-MIZER INLET
	2.50-300#	ANSI FLANGE	OVERSIZE ECON-D-MIZER INLET
I	.250-18	IPT	TRANSDUCER BLOCK/BLEED

SHIPPING WEIGHT (GAD EACH TABLE FOR ESTIMATED SHIPPING WEIGHT)			
TABLE 1		TABLE 2	
SUCTION SIZE	SEPARATOR, PIPING & LI (LBS)	NEMA FRAMES TYPICAL MOTORS	
5"	4730	FRAME (QBP)	FRAME (QBP)
6"	4820	WEIGHT (LBS)	WEIGHT (LBS)
TABLE 3		254T	260
OPTIONAL DUAL FILTERS +75 LBS		365TS	780
TABLE 4		404TS	900
COMPRESSOR SIZE	WEIGHT (LBS)	405TS	975
VSS-751	1600	444TS	1300
VSS-901	1650	445TS	1475
		447TS	1770
		449TS	2135

CHART A REFER TO ORDER COPY FOR LINE SIZES		
SUCTION LINE SIZE	STD ARRANGEMENT COMBINED STOP/CHK VALVE	
	AA	HALD
	5.00	8.4
6.00	11.75	13.25
	OPTL ARRANGEMENT SEPARATE STOP & CHK VALVES	
	AA	HALD
	5.00	13.8
6.00	21.3	25.2
FOR BOTH STD OPT ARRANGEMENT		
	BB	
	5.00	100.63
	6.00	102.75

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DRAWN BY: RPT	CHECKED BY: DWP	SCALE: NTS
REDRAWN BY:	APPROVED BY: RPK	DATE: 12/14/04

TITLE: GEN DIMENSIONS 280mm VSS-751 AND 901 W/Ø 30.0 SEPARATOR FOR LIQUID INJECTION OIL COOLING

27756-1 R2

ITEM	SYM	REVISION	DRAWN BY	APPR BY	DATE
R2		DIM. BB WAS 95.0 & 97.5, MOVED ACTUATOR DIM. ECN: S060041	JDS	RPK	2/20/06
R1		ADDED SEVERAL SHIPPING HEIGHTS & NOTE 3. ECN: S050337	JDS	RPK	11/08/05
R0		ECN: S040286	RPT	RPK	12/14/04