



ECD NO	REV	CHANGED FROM	BY	DATE	APVD
0804	D1	NOTE UPDATED	GMH	01-07-09	MAL
0804	D2	HORIZONTAL LH NOTE ADDED	GMH	01-07-09	MAL
0922	E1	UPDATED VOLUTE	MM	11-12-09	MAL
0922	E2	ADDED 082-0513-00/01-0	MM	11-16-09	MAL
0922	E3	ADDED 217-0501-00/01-0	MM	11-18-09	MAL
0922	E4	ADDED CENTER OF GRAVITY	MM	11-19-09	MAL
1065	F1	321-0150-05-0 WAS 321-0150-00-0	JK	03-31-11	MAL
1065	F2	REMOVED 001-0750-02-0, 001-0750-03-0, 001-0760-02-0, 001-0760-03-0	JK	03-31-11	MAL
CFL3335	G	CHANGED GRADE 5 HARDWARE TO GRADE 8; ADDED 101-0082-00-0 & 018-5002-00-0; 340-0490-00-0 & 082-3028-00-0 WERE 340-1560-00-0	JSJ	03-24-15	AJG

HALE PRODUCTS, INC.
A Unit of IDEX Corporation
Conshohocken, PA 19428 USA

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MAKE OTHER DRAWINGS OR MACHINERY.

DRAWN
CHECKED

EDF
MAL

DATE 06-17-05

SIZE
B

SCALE : FULL

- NOTES:
- 1) TO CONFORM TO NFPA 1901, APPARATUS MANUFACTURER MUST INSTALL (4) SHIFT AND THROTTLE CONTROL WARNING LIGHTS. THE INDICATOR LIGHTS ARE FURNISHED WITH PTO AND HYDRAULIC DRIVEN PUMPS, SEE PLATE NO. 825AA.
 - 2) BASED ON GEARBOX ORIENTATION, MOUNT DRAIN PLUG IN LOWEST OF FOUR 3/4 SAE J1926 PORTS. INSTALL BREATHER VENT IN HIGHEST PORT. INSTALL PLUGS IN REMAINING 2 PORTS.
 - 3) WEIGHT AS SHOWN: 135 LBS
 - 4) ALL DRIVELINES MUST CONFORM TO HALE BULLETIN #957. U-JOINT ANGLES SHOULD BE NO LESS THAN 1°; THE MAXIMUM ALLOWABLE ANGLE AND TUBE DIAMETER SHOULD BE CONFIRMED WITH THE MANUFACTURER OF THE DRIVELINE FOR THE PARTICULAR APPLICATION.
 - 5) SET BEARING ENDOPLAY ON PUMP SHAFT TO .003 - .005 USING SHIMS FROM 046-6760-00-0 SHIM SET.
 - 6) INSTALL BEARING COVER AND PUMP HEAD SO THAT OILING SLOT IS FACING UP BASED ON THE SPECIFIED ORIENTATION.
 - 7) OIL CAPACITY VERTICAL: 2 QUARTS; INVERTED: 1-3/4 QUARTS; HORIZONTAL: 1-1/2 QUARTS
- (E4) 8) REPRESENTS CENTER OF GRAVITY