AM Racing

DESIGNER ADRIAN HAWKINS DATE

1/3/2012

AMR-0070_A

DUAL STACK ASSY, 90

DESCRIPTION

MATERIAL N/A

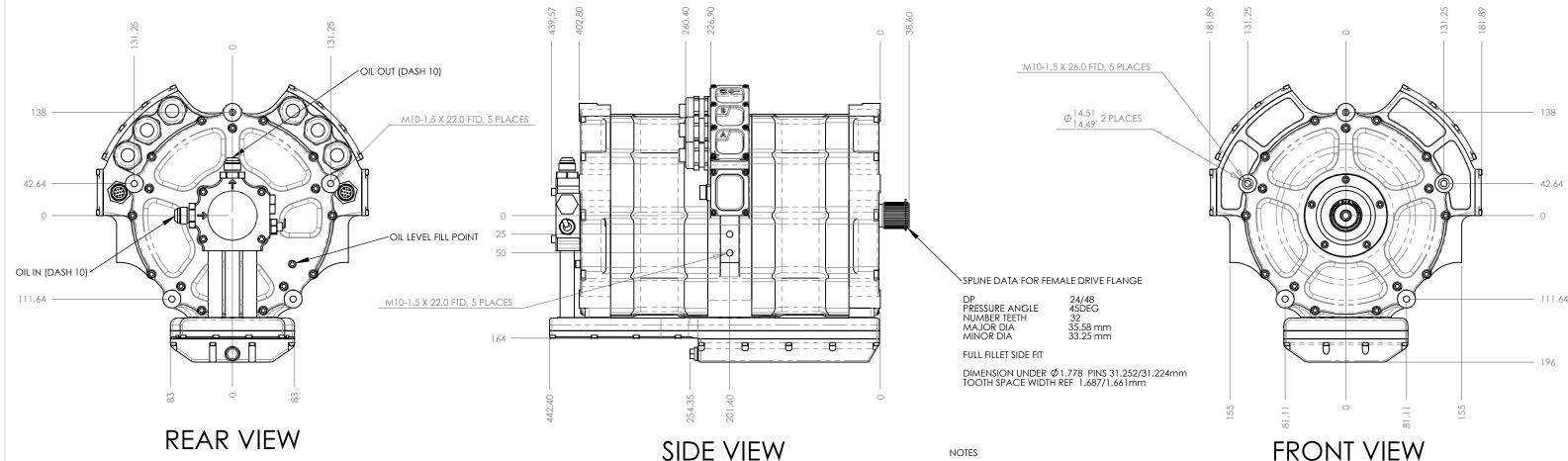
ALL DIMENSIONS IN MM LINEAR +/- 0.25 ANGULAR +- 1deg

BREAK ALL SHARP EDGES 0.1/0.3 IF IN DOUBT ASK

INTERNAL METRIC THREAD B\$3643 6H
EXTERNAL METRIC THREAD B\$3643 6g
INTERNAL IMPERIAL THREAD B\$1580 2A
EXTERNAL IMPERIAL THREAD B\$1580 2b
FIRST THREAD TO BE REMOVED
0.5X45 UPTO 8mm 1.0X45 OVER 8mm



THIRD ANGLE PROJECTION



gms

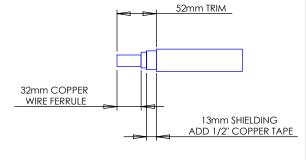




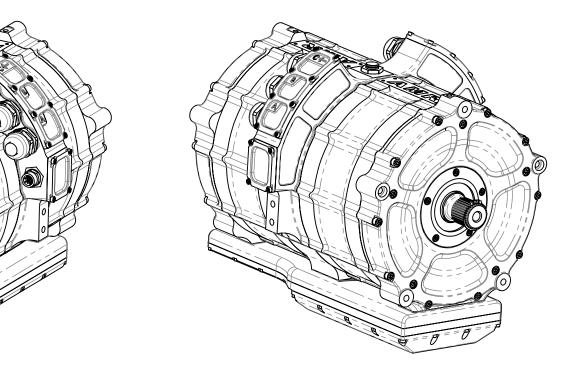
FRONT VIEW

- 1) HV WIRING, RECOMMEND 2/0 AWG / 70mm^2 OR 1/0 AWG / 50mm^2. USE SHIELDED CABLE
- 2) HV WIRE PREPARATION SEE WIRING DETAIL DRAWING VIEW BELOW
- 3) HV CRIMP FERRULE (SUPPLIED) 1232170 FOR 2/0 AWG OR 1232150 FOR 1/0 AWG
- 4) LV WIRING CONNECTOR SOURIAU UTS6JC12E10S USE SHIELDED TWISTED PAIR CABLE
- 5) LV CONNECTION DIAGRAM FOR RMS PM100 OR PM150 AS PER DIAGRAM BELOW
- 6) FRONT MOTOR AND REAR MOTOR REQUIRE RUNNING IN OPPOSITE DIRECTIONS AS THEY ARE BACK TO BACK IN THE HOUSING
- 7) COOLING, FOR THE WATER/OIL EXCHANGER IS 8 TO 20 L/MIN WATER / GLYCOL MIX, 1/2" HOSE
- 8) WATER INLET TEMPERATURE KEPT BELOW 90DEG C
- 9) COOLING, FOR THE OIL/AIR IS DASH 10 FITTING/HOSE
- 10) OIL TYPE VALVOLINE DEXRON VI AUTOMATIC TRANSMISSION FLUID APPROX 2 3/4 QUARTS (2.80 LITRES) UNTIL THE FILL LEVEL PLUG BLEEDS. MOTOR TO BE ON LEVEL GROUND DURING FILL. NOTE IF AN EXTERNAL OIL/AIR COOLER IS USED THEN ADD ADDITIONAL FLUID INLINE WITH THE EXTRA VOLUME OF THE SYSTEM
- 11) MOTOR IS SHIPPED WITHOUT OIL (ONLY RESIDUAL OIL FROM TESTING WILL BE PRESENT)
- 12) TORQUE SPECS. DRIVE FLANGE (IF FITTED) M12 70-80 FTLBS, CASE MOUNTS M10 32-35 FTLBS

MOTOR	RMS DRIVE	DESCRIPTION
A	J2-3	EXCITATION NEGATIVE
В	J2-17 EXCITATION POSITIVE	
С	J2-11	SIN POSITIVE
D	J2-18	SIN NEGATIVE
E	J2-4	COS POSITIVE
F	F J2-12 COS NEGATIVE G J1-24 TEMP SENSOR H J1-2 TEMP SENSOR I J2-19 SHIELD K N/A	
G		
Н		
I		
K		



Α	AH	released for information	5/13/2013	
REV	DESIGNER	DESCRIPTION	DATE	UPDATI



1 TO 5

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