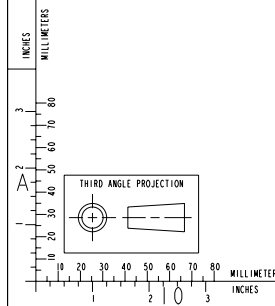


ITEM NUMBER	4953998
<b>OPTIONS LIST</b>	
AC9312	
BR9415	
EE9177	
EM9388	
FF90375	
FH9971	
FW9958	
HC9202	
HX9146	
LA9260	
LF9255	
LG90135	
OC9118	
OP9464	
PH9386	
RG9314	
SA9087	
ST9487	
SW9080	
TB92005	
VB9050	
WI9449	
XS9372	

REVISIONS			
ZONE	REV	DESCRIPTION	APP'D
03	REVISED		



ENGINE SERVICE TEST PORTS/INSTALLATION CONNECTIONS			
1	AUXILIARY HEATER RETURN:	5/8 BARBED	
2	AUXILIARY HEATER SUPPLY:	5/8 BARBED	
3	BATTERY CONNECTION (STARTER) (+):	M10 X 1.5	
4	BATTERY CONNECTION (STARTER) (-):	M10 X 1.5	
5	BATTERY CONNECTION (ECM) (+):	4 PIN CONNECTOR	
6	BATTERY CONNECTION (ECM) (-):	4 PIN CONNECTOR	
7	COOLANT FILL:	Ø 31.2 [1.23]	
8	COOLANT OVERFLOW TUBE:	7.9 I.D. [.31]	
9	ENGINE OIL DRAIN:	M18 X 1.5	
10	ENGINE OIL FILL:	Ø 32.1 [1.27]	
11	EXHAUST OUTLET CONNECTION (ELBOW):	Ø 152.4 [6.00] O.D.	
12	EXHAUST OUTLET CONNECTION (TURBO):	4X M8 X 1.25 ∇ 17.8	
13	EXHAUST TEMP. /BACK PRESSURE TEST PORT:	1/4-18 NPT	
14	EXHAUST TEMP. /SW FLOW SENSOR:	N/A	
15	FUEL INLET CONNECTION:	7/8-14 (STOR FEMALE)	
16	FUEL INLET TEST PORT:	M10 X 1.0	
17	FUEL RETURN TO TANK CONNECTION:	3/4-16 (STOR FEMALE)	
18	FUEL RETURN TEST PORT:	M10 X 1.0	
19	GEAR OIL COOLER DRAIN:	3/8 NPT	
20	GEAR OIL COOLER INLET:	M22 X 1.5	
21	GEAR OIL COOLER OUTLET:	M22 X 1.5	
22	OIL HEATER CONNECTION:	M22 X 1.5	
23	SEA WATER INLET:	Ø 50.8 [2.00] O.D.	
24	SEA WATER INLET TEST PORT:	1/4-18 NPT	
25	SEA WATER OUTLET:	Ø 50.8 [2.00] O.D.	
26	SEA WATER OUTLET TEST PORT:	1/4-18 NPT	
27	SHAFT LOG SEA WATER SUPPLY:	1/4 NPT	
28	ZINC ANODE:	4X 1/2-14 NPT	

DO NOT SCALE THIS DRAWING

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PRODUCT GRAPHICS FILE  
NO ORIGINAL DRAWING EXISTS FOR THIS ITEM. THE ENGINEERING GRAPHICS DATA FOR THIS ITEM RESIDES IN THE PRODUCT GRAPHICS FILE AND IS CONTROLLED BY THE AGENCY DESIGNATED AS HAVING ITEM CONTROL.

LAST SECTION LETTER USED:	REF. DRAWING STANDARDS: ANSI Y14.5M ISO 81101	ITEM NAME	CUMMINS INC.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN: MILLIMETERS ( ) ARE IN: INCHES	ITEM IDENTIFIER	QSB 6.7L W/ ZF 851V	
DWN: UNCHECKED	SIZE CODE (IDENT. NO.)	J	
APPD: UNCHECKED	ITEM NUMBER	4953998	
APPD: UNCHECKED	SCALE: N/A	ITEM CONTROL: MCS	SHEET 1 OF 1