

EXTENDED LOW FREQUENCY DRIVER			
12LW801			
GENERAL SPECIFICATIONS			
NOMINAL DIAMETER		300MM	12 in
RATED IMPEDANCE		4 OHM	
AES REFERENCE STANDARD		500W	1
CONT. POWER		400W	2
PROGRAM POWER		800W	3
PEAK POWER		4000W	4
SENSITIVITY		95 DB	5
FREQUENCY RANGE		40-4000HZ	6
POWER COMPRESSION			7
	@ -10DB (40W)	NA	
	@ -3DB (200W)	NA	
	@ FULL POWER (400W)	NA	
MAXIMUM RECOMMENDED FREQUENCY		1000 HZ	
RECOMMENDED ENCLOSURE VOLUME		40-100LT	1,41 - 3,53 CUFT
MINIMUM IMPEDANCE		4.4 OHM AT 25 DEG.	
MAXIMUM EXCURSION PEAK TO PEAK BEFORE DAMAGE		34mm	1,34 IN
VOICE COIL DIAMETER		75MM	2,95 IN
VOICE COIL WINDING MATERIAL		COPPER	
POLARITY	POSITIVE VOLTAGE ON RED TERMINAL GIVES FORWARD CONE MOTION		
MOUNTING INFORMATION			
OVERALL DIAMETER		315	12,4 IN
N. OF MOUNTING HOLES		8	
MOUNTING HOLE DIAMETER		7,15MM	0,28 IN
BOLT CIRCLE DIAMETER		296-300MM	11,65-11,8 IN
FRONT MOUNT BAFFLE CUTOUT DIAMETER		282MM	11,1 IN
REAR MOUNT BAFFLE CUTOUT DIAMETER		282MM	11,1 IN
FLANGE AND GASKET THICKNESS		16,5MM	0,65 IN
TOTAL DEPTH		149MM	5,87 IN
NET WEIGHT		8,1KG	17,88 LB
SHIPPING WEIGHT		8,9KG	19,65 LB
CARDBOARD PACKING DIMENSIONS		332*332*184MM	13,07*13,07*7,24 IN

THIELE-SMALL PARAMETERS				8	
	Fs		51 HZ		
	Re		3.4 OHM		
	Sd		0,0531SQMT	82,31 sqin	
	Qms		8.13		
	Qes		0.32		
	Qts		0.31		
	Vas		43.4 LT	1.52 CUFT	
	Mms		88.1 GR	0,19 LB	
	BL		17.2 TM		
	MATEMATICAL Xmax		8 MM	9 0,31 IN	
	Le (1KHZ)		1.40 MH		
	REF. EFFICIENCY DB/1W/1M(HALF SPACE)		94.5		
1	AES STANDARD				
2	CONTINUOUS POWER RATING IS MEASURED IN 50 LIT REFLEX ENCLOSURE TUNED AT 60 HZ USING A 40 -400HZ BAND LIMITED				
3	PROGRAM POWER RATING IS MEASURED AS FOR "2" ABOVE BUT 50% DUTY CYCLE .				
4	THE PEAK POWER RATING IS BASED ON A 10DB CREST FACTOR ABOVE THE CONTINUOUS POWER RATING AND REPRESENTS THE MAXIMUM PERMITTED INSTANTANEOUS PEAK POWER LEVEL OVER A MAXIMUM PERIOD OF 10ms WHICH WILL BE WITHSTOOD BY THE LOUDSPEAKER WITHOUT DAMAGE .				
5	SENSITIVITY REPRESENTS THE AVERAGED VALUE OF ACOUSTIC OUTPUT AS MEASURED ON THE FORWARD CENTRAL AXIS OF CONE , AT DISTANCE 1M FROM THE BAFFLE PANEL, WHEN CONNECTED TO 2,83V SINE WAVE TEST SIGNAL SWEPT BETWEEN 100HZ AND 500HZ WITH THE TEST SPECIMEN MOUNTED IN THE SAME ENCLOSURE AS GIVEN FOR 2 ABOVE				
6	FREQUENCY RANGE IS GIVEN AS THE BAND OF FREQUENCIES DELINEATED BY THE LOWER AND UPPER LIMITS WHERE THE OUTPUT LEVEL DROPS BY 10 DB BELOW THE RATED SENSITIVITY IN HALF SPACE ENVIRONMENT.				
7	POWER COMPRESSION REPRESENT THE LOSS OF SENSITIVITY FOR THE SPECIFIED POWER , MEASURED FROM 50-500 HZ ,				
8	THIELE - SMALL PARAMETERS ARE MEASURED AFTER THE TEST SPECIMEN HAS BEEN CONDITIONED BY 500 W AES				
9	MATEMATICAL Xmax PARAMETER REPRESENTS THE VOICE COIL DEPTH LESS THE GAP DEPTH .				