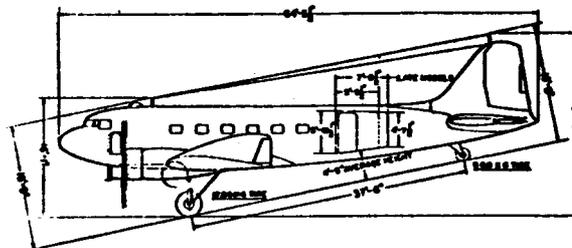
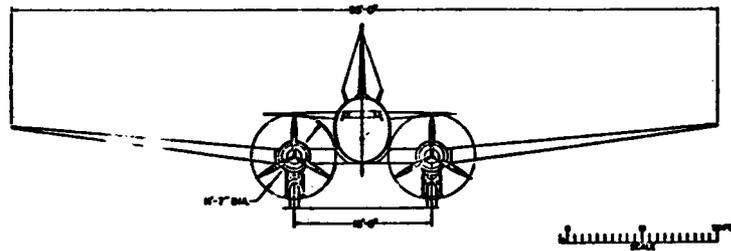
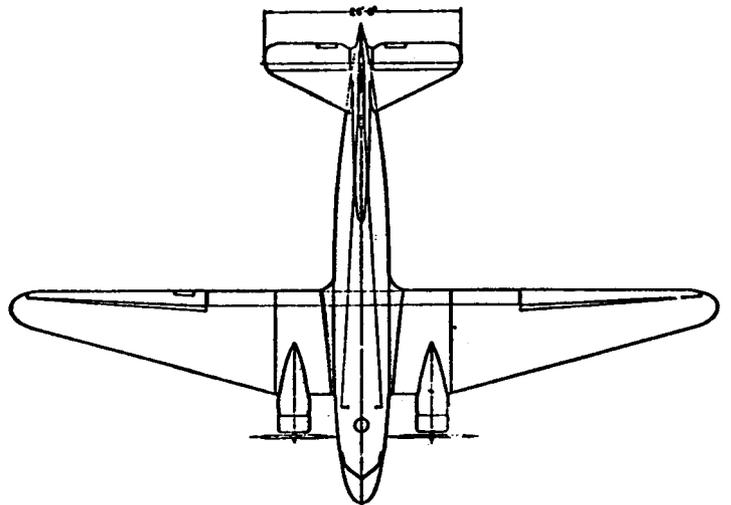


STANDARD AIRCRAFT CHARACTERISTICS

C-47H SKYTRAIN



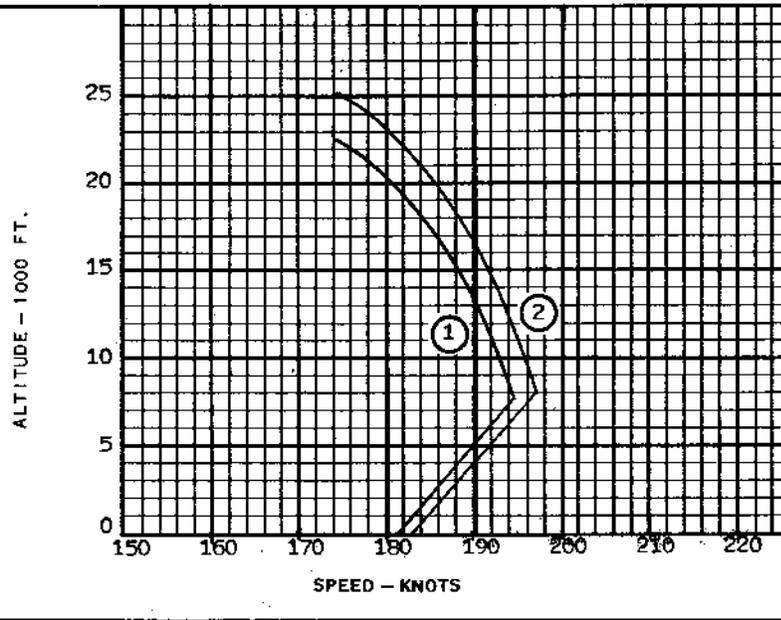
DESCRIPTIVE ARRANGEMENT

POWER PLANT		MISSION AND DESCRIPTION	WEIGHTS													
No. & Model (2)R-1830-92 Supercharged.....1 Stage, 1 Speed MFR P&W Prop. Gear Ratio..... 16:9 Prop MFR..... Ham. Std. Prop Des. No. 6477A-C No. Bl./Dia 3/11" - 7"			The Douglas Skytrain C-47H(R4D-5) troop-cargo transport, same as Air Force, is a conventional transport and stems from the commercial DC-3 design. Main wheels are retractable. This aircraft has been put to a great variety of uses. The Marine Corps Organization, SCAT, in the South Pacific Operations used this airplane in their combat transport operations. The C-47H carries a crew of 4. It can carry 26 troops or 24 litters.	<u>LOADINGS</u>	<u>LBS</u>	<u>L.F.</u>										
RATINGS <table> <thead> <tr> <th></th> <th><u>BHP</u> @</th> <th><u>RPM</u> @</th> <th><u>ALT</u></th> </tr> </thead> <tbody> <tr> <td>T.O.</td> <td>1200</td> <td>2700</td> <td>SL</td> </tr> <tr> <td>Normal</td> <td>1050</td> <td>2550</td> <td>7500'</td> </tr> </tbody> </table> Spec. N-5098-A				<u>BHP</u> @	<u>RPM</u> @	<u>ALT</u>	T.O.	1200	2700	SL	Normal	1050	2550	7500'	Empty 17,057 Basic 17,300 Design 29,600 ...2.67 Max. T.O. 30,600 ...2.50 Max. Land 26,000...3.00 All weights are actual	
	<u>BHP</u> @	<u>RPM</u> @	<u>ALT</u>													
T.O.	1200	2700	SL													
Normal	1050	2550	7500'													
			FUEL AND OIL													
			<u>Gallons</u>	<u>No. Tanks</u>	<u>Location</u>											
			804	4	Wing											
			800	8	Cabin											
			Fuel Grade 100/130													
			Fuel Spec MIL-F-5572													
			OIL													
			Capacity 58												
			Spec.....	MIL-L-6082												
			Grade 1100-A												
			ELECTRONICS													
			COMMAND..... AN/ARC-27 or TA-22B/RA-22B													
			LIAISON AN/ART-13 BC-348													
			COMPASS P-1													
			MARKER BEACON AN/ARN-8													
			IFF AN/APX-1 AN/APA-89 MK-141/APX-6													
			RADAR ALTIMETER AN/APN-1													
			RADIO COMPASS AN/ARN-7													
			VOR REC. AN/ARN-30													
			GLIDE SLOPE REC..... AN/ARN-18													
			TACAN..... AN/ARN-21													
ORDNANCE																
			DIMENSIONS													
			Span 95' - 0"													
			Length 64' - 6"													
			Height 16' - 9"													
			Wing Area 987 sq. ft.													
			M.A.C. 138.1"													
			Tread 18' - 6"													

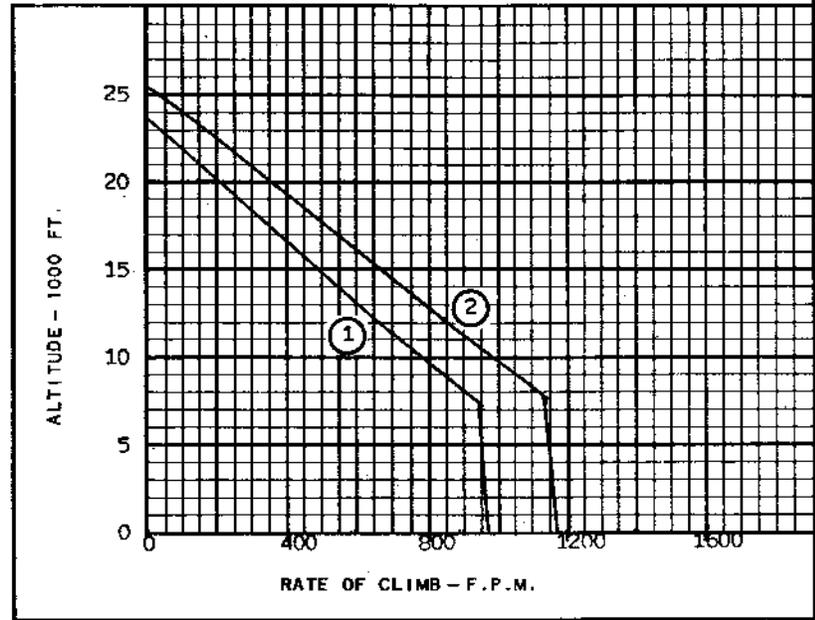
PERFORMANCE SUMMARY

TAKE-OFF LOADING CONDITION		(1) CARGO-TROOP TRANSPORT	(2) CARGO-TROOP TRANSPORT		
TAKE-OFF WEIGHT	LB.	29000	26000		
FUEL INTERNAL/EXTERNAL ()	LB./LB.	4824	4824		
PAYLOAD	LB.	5738	2738		
WING LOADING	LB./SQ.LB.	29.4	26.3		
STALL SPEED - POWER-OFF	KN.	69.1	65.4		
TAKE-OFF RUN AT S.L. - CALM	FT.	1241	935		
TAKE-OFF RUN AT S.L. - KN. WIND	FT.				
TAKE-OFF TO CLEAR 50 FT. - CALM	FT.	2380	1900		
MAX. SPEED/ALTITUDE (B)	KN./FT.	194/8000	197/8000		
RATE OF CLIMB AT S.L. (B)	FPM.	980	1170		
TIME: S.L. TO 10000 FT. (B)	MIN.	11.4	9.3		
TIME: S.L. TO 20000 FT. (B)	MIN.	35.3	26.4		
SERVICE CEILING (100 FPM.) (B)	FT.	22200	24200		
COMBAT RANGE	N.MI.	1295	1405		
AVERAGE CRUISING SPEED	KN.	111	107		
CRUISING ALTITUDE(S)	FT.	1500	1500		
COMBAT RADIUS/MISSION TIME	N.MI./HR.				
AVERAGE CRUISING SPEED	KN.				
POWER LOADING (A)	LBS/BHP	13.8	12.4		
COMBAT LOADING CONDITION					
COMBAT WEIGHT	LB.	26106	23106		
ENGINE POWER	(B)	(B)	(B)		
FUEL	LB.	2894	2894		
COMBAT SPEED/COMBAT ALTITUDE (B)	KN./FT.	197/8000	200/8000		
RATE OF CLIMB/COMBAT ALTITUDE (B)	FPM./FT.	1109/8000	1309/8000		
COMBAT CEILING (500 FPM.) (B)	FT.	17,850	20500		
RATE OF CLIMB AT S.L. (B)	FPM.	1165	1355		
MAX. SPEED AT S.L. (B)	KN.	182.5	184.2		
MAX. SPEED/ALTITUDE	KN./FT.	197/8000	200/8000		
LANDING WEIGHT	LB.	26000			
FUEL	LB.	1824			
STALL SPEED - POWER-OFF/APPR. POWER	KN./KN.	57.3/			
DIST. - GRD ROLL/OVER 50 FT. OBS.	FT./FT.	1133/2096			
NOTES: (A) BHP at maximum Critical Altitude (B) Normal BHP Performance is based on flight test as of 11 July 1957					

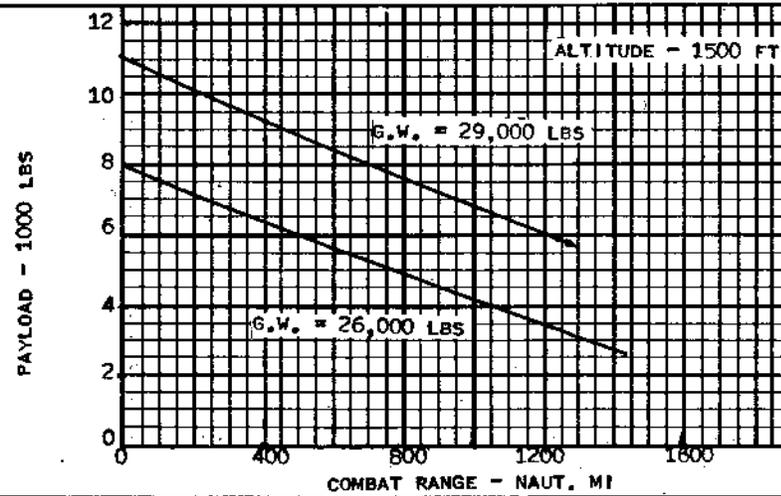
SPEED



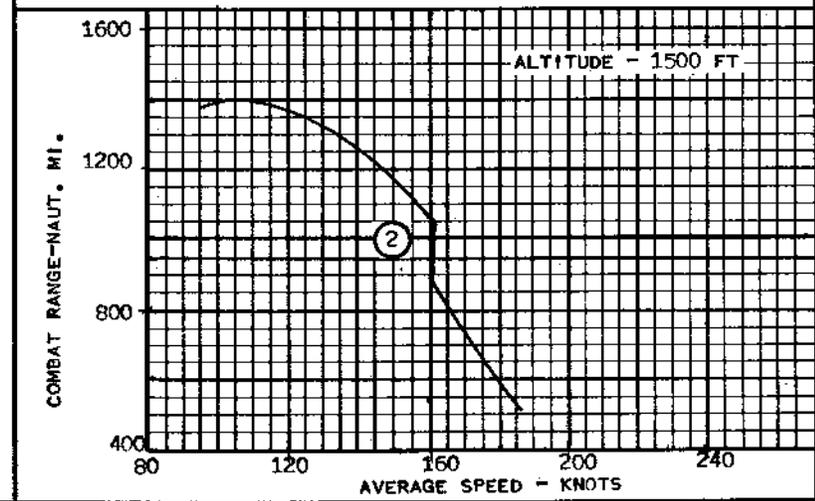
CLIMB



RANGE



RANGE



○ LOADING CONDITION CODE NUMBER

NOTES

Performance includes the effect of de-icer boots. Removal of the de-icer boots increased V_{max} at ACA by 3.0 knots and maximum combat range at 1500 ft. by 2%.

Performance with one engine inoperative, propeller feathered (high blower inoperative) is:

Gross Weight	26,000 lbs
Rate of Climb - S.L. - Max Power	242 ft/min
Service Ceiling - Max Power	8600 ft

○ LOADING CONDITION COLUMN NUMBER