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PAYLOAD COMPARATIVE FOR YOUR FIREFIGHTING MISSIONS



BELL 407GXP

AIRBUS AS350 B3e

INTERAGENCY HELICOPTER LOAD CALCULATIONS			
DEPARTURE	KBOI	PA : 7000	OAT : 30
DESTINATION	KBOI	PA : 7000	OAT : 30
HELICOPTER EQUIPPED WEIGHT	3045		
FLIGHT CREW WEIGHT	200		
FUEL WEIGHT (75 GALS X 7 LBS/GAL)	525		
OPERATING WEIGHT	3770		
	NON JETTISONABLE		JETTISONABLE
	HIGE	HOGE	HOGE-J
PERFORMANCE REFERENCE (List chart/supplement from Flight Manual)	Eagle MS-E407-789-1 Page 4-22	Eagle MS-E407-789-1 Page 4-26	Eagle MS-E407-789-1 Page 4-26
COMPUTED GROSS WEIGHT (From Flight Manual Performance)	5950	5490	5490
WEIGHT REDUCTION (Required for all Non-Jettisonable loads)	205	155	0
ADJUSTED WEIGHT (7B - 8)	5745	5335	5490
GROSS WEIGHT LIMITATIONS (From Flight Manual Limitations)	5250	5250	6000
SELECTED WEIGHT (Lowest of 9 or 10)	5250	5250	5490
OPERATING WEIGHT (From Line 6)	3770	3770	3770
ALLOWABLE PAYLOAD (11 -12) Exceeds = Allowable Exceeded	1480	1480 lbs	1720 lbs
Capacity		206 Gallons	

INTERAGENCY HELICOPTER LOAD CALCULATIONS			
DEPARTURE	KBOI	PA : 7000	OAT : 30
DESTINATION	KBOI	PA : 7000	OAT : 30
HELICOPTER EQUIPPED WEIGHT	3050		
FLIGHT CREW WEIGHT	200		
FUEL WEIGHT (75 GALS X 7 LBS/GAL)	525		
OPERATING WEIGHT	3775		
	NON JETTISONABLE		JETTISONABLE
	HIGE	HOGE	HOGE-J
PERFORMANCE REFERENCE (List chart/supplement from Flight Manual)	Bell BHT-407-FMS 12 Page 5	Bell BHT-407-FMS 12 Fig 4-9A	Bell BHT-407-FMS 12 Fig 4-9A
COMPUTED GROSS WEIGHT (From Flight Manual Performance)	5250	5000	5000
WEIGHT REDUCTION (Required for all Non-Jettisonable loads)	205	155	0
ADJUSTED WEIGHT (7B - 8)	5045	4845	5000
GROSS WEIGHT LIMITATIONS (From Flight Manual Limitations)	5045	5250	6000
SELECTED WEIGHT (Lowest of 9 or 10)	5045	4845	5000
OPERATING WEIGHT (From Line 6)	3775	3775	3775
ALLOWABLE PAYLOAD (11 -12) Exceeds = Allowable Exceeded	1270	1070 lbs	1225 lbs
Capacity		128 Gallons	

INTERAGENCY HELICOPTER LOAD CALCULATIONS			
DEPARTURE	KBOI	PA : 7000	OAT : 30
DESTINATION	KBOI	PA : 7000	OAT : 30
HELICOPTER EQUIPPED WEIGHT	3000		
FLIGHT CREW WEIGHT	200		
FUEL WEIGHT (75 GALS X 7 LBS/GAL)	525		
OPERATING WEIGHT	3725		
	NON JETTISONABLE		JETTISONABLE
	HIGE	HOGE	HOGE-J
PERFORMANCE REFERENCE (List chart/supplement from Flight Manual)	Airbus 350B3e Page10, Fig 5	Airbus 350B3e Page 11, Fig 6	Airbus 350B3e Page 11, Fig 6
COMPUTED GROSS WEIGHT (From Flight Manual Performance)	4961	4961	4961
WEIGHT REDUCTION (Required for all Non-Jettisonable loads)	175	175	0
ADJUSTED WEIGHT (7B - 8)	4786	4786	4961
GROSS WEIGHT LIMITATIONS (From Flight Manual Limitations)	4961	4786	6173
SELECTED WEIGHT (Lowest of 9 or 10)	4786	4786	4961
OPERATING WEIGHT (From Line 6)	3725	3725	3725
ALLOWABLE PAYLOAD (11 -12) Exceeds = Allowable Exceeded	1061	1061 lbs	1236 lbs
Capacity		128 Gallons	