

## ENGINE, FIRE (PUMPER)

<b>DESCRIPTION</b>	A vehicle designed primarily for fire suppression that delivers the ability to pump water at a specific rate, hose capacity, and assigned personnel.		
<b>RESOURCE CATEGORY</b>	Firefighting	<b>RESOURCE KIND</b>	Equipment
<b>OVERALL FUNCTION</b>	Used in structural and wildland firefighting suppression or other emergency operations	<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<ol style="list-style-type: none"> <li>1. Ensure that typed vehicle(s) and crew(s) meet the operational requirements of the anticipated incident or event before ordering</li> <li>2. Logistics for deploying this team, such as security, lodging, transportation, and meals should be identified prior to deployment of this resource</li> <li>3. Crew can work up to 12 hours per shift, are self-sustained for 72 hours, and deployable for up to 14 days</li> <li>4. Please specify any additional components required, such as Emergency Medical Services (EMS) capabilities, designated Advanced Life Support (ALS) or Basic Life Support (BLS), and four-wheel drive (4WD) or two-wheel drive (2WD)</li> </ol>

RESOURCE TYPES			TYPE 1	TYPE 2	TYPE 3	TYPE 4	TYPE 5	TYPE 6	TYPE 7
COMPONENT	METRIC/ MEASURE	CAPABILITY							
Personnel	Per team	Total	4	3	3	2	2	2	2
			<b>NOTES:</b> None						
Personnel	Per team	Management and oversight	Same as Type 2	1 NIMS Type 4 Fire Officer	Same as Type 7	Same as Type 7	Same as Type 7	Same as Type 7	1 NIMS Type 1 Wildland Fire Officer
			<b>NOTES:</b> None						
Personnel	Per team	Support	Same as Type 2 <b>PLUS:</b> 1 NIMS Type 2 Firefighter	1 NIMS Type 1 Fire Apparatus Driver 1 NIMS Type 2 Firefighter	2 NIMS Type 1 Wildland Firefighters	Same as Type 7	Same as Type 7	Same as Type 7	1 NIMS Type 2 Wildland Firefighter
			<b>NOTES:</b> None						
Equipment	Per vehicle	Manufacturer's requirements	Same as Type 2	NFPA 1901	Same as Type 7	Same as Type 7	Same as Type 7	Same as Type 7	NFPA1906
			<b>NOTES:</b> All fire apparatus shall conform to the laws and regulations of the United States and the home agency. Fire apparatus should conform to the applicable National Fire Protection Agency (NFPA) 1901 and 1906 purchasing and operations standards, and National Wildfire Coordinating Group (NWCG) member agency requirements. All vehicles should be inspected periodically to evaluate their status in comparison to updates in vehicle regulations and standards.						

Equipment	Gallons per minute (GPM)	Pump capacity	1,000 GPM	500 GPM	150 GPM	Same as Type 7	Same as Type 7	50 GPM	10 GPM
			<b>NOTES:</b> None						

**DRAFT – Pre-Decisional – DRAFT**  
**ENGINE, FIRE (PUMPER)**

RESOURCE TYPES			TYPE 1	TYPE 2	TYPE 3	TYPE 4	TYPE 5	TYPE 6	TYPE 7
COMPONENT	METRIC/ MEASURE	CAPABILITY							
Equipment	Gallons (gal)	Tank capacity	Same as Type 3	Same as Type 3	500 gal	750 gal	400 gal	150 gal	50 gal
			<b>NOTES:</b> None						
Equipment	Length, feet (ft.)	Hose, 2.5 inch	Same as Type 2	1200 ft.	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified
			<b>NOTES:</b> When hose thread patterns do not meet NFPA 1901 for Types 1 and 2, adapters shall be provided. When hose thread patterns do not meet NFPA 1906 for Types 3-7, adapters shall be provided						
Equipment	Length (ft.)	Hose, 1.5 inch	Same as Type 3	Same as Type 3	500 ft.	Same as Type 6	Same as Type 6	300 ft.	Not Specified
			<b>NOTES:</b> When hose thread patterns do not meet NFPA 1901 for Types 1 and 2, adapters shall be provided. When hose thread patterns do not meet NFPA 1906 for Types 3-7, adapters shall be provided						
Equipment	Length (ft.)	Hose, 1 inch	Same as Type 2	200 ft.	500 ft.	Same as Type 6	Same as Type 6	300 ft.	200 ft.
			<b>NOTES:</b> When hose thread patterns do not meet NFPA 1901 for Types 1 and 2, adapters shall be provided. When hose thread patterns do not meet NFPA 1906 for Types 3-7, adapters shall be provided						
Equipment	Pump and roll capability	Not Specified	Same as Type 2	No	Same as Type 7	Yes			
			<b>NOTES:</b> None						

## COMMENTS

- Typically Type 1 and 2 engines apply to structural engines
- Type 3-7 engines typically apply to wildland engines
- Personal protective equipment (PPE) and other safety equipment will be in accordance with NFPA and Occupational Safety and Health Administration (OSHA), and consistent with existing standards and regulations

## REFERENCES

- NFPA 1901: Standard for Automotive Fire Apparatus
- NFPA 1906: Standard for Wildland Fire Apparatus
- NFPA 1911: Standard for the Inspection, Maintenance, Testing, and Retirement of In-Service Automotive Fire Apparatus
- NIMS 509-4 Fire Apparatus Driver/Operator

*NOTE: This job title/position qualification is under development by the National Integration Center will be released for National Engagement and Public Comment prior to final release*

**5. NIMS 509-4 Fire Officer**

*NOTE: This job title/position qualification is under development by the National Integration Center will be released for National Engagement and Public Comment prior to final release*

**6. NIMS 509-4 Firefighter**

*NOTE: This job title/position qualification is under development by the National Integration Center will be released for National Engagement and Public Comment prior to final release*

**7. NIMS 509-4 Wildland Fire Officer**

*NOTE: This job title/position qualification is under development by the National Integration Center will be released for National Engagement and Public Comment prior to final release*

**8. NIMS 509-4 Wildland Firefighter**

*NOTE: This job title/position qualification is under development by the National Integration Center will be released for National Engagement and Public Comment prior to final release*

**NOTE**

---

Nationally typed resources represent the minimum criteria for the associated component and capability