



**JX6H SHOWN  
WITH SINGLE WALL FUEL TANK  
- TYPICAL -**

TABLE 1	
ENGINE MODEL	X
KA4H	6.8" [174]
JU4H	14.3" [364]
JU6H	14.3" [364]
C13HO	0.0" [0]
JW6H	14.0" [354]
C18HO	4.7" [118]
DP6H	6.0" [152]
DQ6H	5.0" [127]
DR8H	16.7" [424]
DSOH	17.5" [445]
DSOR	17.5" [445]
DT-WET	17.3" [439]
DT-DRY	16.0" [407]
DT2R-DRY	16.0" [407]
C32HO	27.2" [692]

TABLE 2		
ENGINE MODEL	MINIMUM FUEL SUPPLY SIZE (IN LMM)	MINIMUM FUEL RETURN SIZE (IN LMM)
KA4H	3/8"	1/4"
JU4H	1/2"	3/8"
JU6H	1/2"	3/8"
C13HO	3/4"	1/2"
JW6H	1/2"	3/8"
C18HO	3/4"	1/2"
DP6H	1/2"	3/8"
DQ6H	1/2"	3/8"
DR8H	3/4"	1/2"
DSOH	3/4"	1/2"
DSOR	3/4"	1/2"
DT-WET	3/4"	1/2"
DT-DRY	3/4"	1/2"
DT2R-DRY	3/4"	1/2"
C32HO	3/4"	3/4"

REV	DESCRIPTION	ECN#	DWN	APVD	DATE
L	REMOVE ZE4H MODELS TO TABLES 1&2	5235	JCA	JCA	10DEC18
M	ADDED C18HO MODELS TO TABLES 1 & 2	5722	JNP	JCA	10JUN19
N	REMOVED OBSOLETE MODELS	6039	JCA	JCA	15JAN21
P	ADDED C32HO MODELS TO TABLES 1 & 2	6042	JCA	JCA	07JUN21
Q	ADDED C13HO MODELS TO TABLES 1 & 2	6179	JCA	JCA	02SEP22

- NOTES:
- REFER TO THE LATEST EDITION OF NFPA 20 FOR ADDITIONAL REQUIREMENTS. ALSO, INSTALL TANK IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION
  - FUEL SUPPLY TANK SHALL HAVE A CAPACITY AT LEAST EQUAL TO 1 GAL PER HP (5.07L PER kW), PLUS 5 PERCENT VOLUME FOR EXPANSION AND 5 PERCENT VOLUME FOR SUMP
  - DOWNPIPE RECOMMENDED FOR FUEL RETURN LINE TO PREVENT FOAMING INSIDE TANK. TERMINATE 3'-6" [76.2mm-152.4mm] FROM TANK BOTTOM
  - DOWNPIPE RECOMMENDED FOR FUEL LINE TO PREVENT FOAMING INSIDE TANK. TERMINATE 3'-6" [76.2mm-152.4mm] FROM TANK BOTTOM
  - THE ENGINE MANUFACTURER'S FUEL PUMP STATIC HEAD PRESSURE LIMITS SHALL NOT BE EXCEEDED WHEN THE LEVEL OF FUEL IN THE TANK IS AT A MAXIMUM
  - FUEL PIPING SHALL NOT BE GALVANIZED STEEL OR COPPER
  - THE FUEL SUPPLY TANK AND FUEL SHALL BE RESERVED EXCLUSIVELY FOR THE FIRE PUMP DIESEL ENGINE
  - THE FUEL RETURN LINE SHALL BE INSTALLED ACCORDING TO THE ENGINE MANUFACTURER'S RECOMMENDATION. IN ZONES WHERE FREEZING TEMPERATURES [32°F (0°C)] COULD BE ENCOUNTERED, THE FUEL TANK SHALL BE LOCATED IN THE PUMP ROOM
  - IN AREAS WHERE LOCAL AIR QUALITY MANAGEMENT REGULATIONS ONLY ALLOW THE USE OF DF#1 FUEL, AND NO DIESEL FIRE PUMP DRIVER IS AVAILABLE LISTED FOR USE WITH DF#1 FUEL, AN ENGINE LISTED FOR DF#2 SHALL BE PERMITTED TO BE USED BUT SHALL HAVE THE NAMEPLATE RATED HORSEPOWER DERATED 10 PERCENT, PROVIDED THE ENGINE MANUFACTURER APPROVES THE USE OF DF#1 FUEL
  - THE GRADE OF THE FUEL OIL SHALL BE INDICATED ON THE FUEL TANK BY LETTERS THAT ARE A MINIMUM OF 6" (152mm) IN HEIGHT AND IN CONTRASTING COLOR TO THE TANK
  - CONSULT ENGINE MANUFACTURER'S INSTALLATION AND OPERATION DATA SHEET FOR THE SPECIFIC ENGINE MODEL TO DETERMINE MINIMUM FUEL SUPPLY AND RETURN PIPE DIAMETERS.

ITEM	QTY.	DESCRIPTION (CALL FITTINGS BY OTHERS)
1	1	2" FILL CAP- WITH PROVISION FOR PADLOCK, COMBINED WITH REMOVABLE STRAINER (MAX. .06 MESH)
2	1	DOUBLE TAP BUSHING, 1" x .50"
3	1	VENT CAP, 1.25" NPT
4	1	DIRECT READING TANK GAUGE, 2" NPT
5	1	PIPE PLUG FOR DRAIN, 1" NPT
6	1	PIPE TEE, 1.25" x 1.25" x TABLE 2 (MIN. FUEL RETURN SIZE)
7	1	PIPE PLUG, 4" NPT (PROVISION FOR EMERGENCY RELIEF VENT)
8	1	PIPE PLUG, 2" NPT (PROVISION FOR LOW FUEL ALARM ACCESS)
9	1	PIPE NIPPLE, TABLE 2 (MIN. FUEL SUPPLY SIZE) x CLOSE
10	1	PIPE TEE, .50" x .50" x TABLE 2 (MIN. FUEL RETURN SIZE)
11	1	STOP COCK, TABLE 2 (MIN. FUEL SUPPLY SIZE) (WITH PROVISION FOR PADLOCK)
12	1	DOUBLE TAP BUSHING, 3" x 2"
13	1	CHECK VALVE, TABLE 2 (MIN. FUEL RETURN SIZE) (PREVENTS SIPHONING)

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<small>UNLESS NOTED OTHERWISE, TOLERANCES GOVERN OVER DIMENSIONS. DIMENSIONS SHALL BE AS SHOWN BELOW.</small> <small>STANDARD TOLERANCE</small> DECIMAL: .0005 FRACTION: 1/32 HOLE: +.0005 SHAFT: -.0005 TYPICAL: .0015	DRAWN: JWJOTKIEWICZ DATE: 28NOV06 ERROR: KRVAULIGMAN MATERIAL: N/A ASSEMBLY: ALL ENGINE MODELS PART NO.: C132026	NAME: TITLE: PART NO.: C132026	
<small>ANGULARS: 1/32"</small>	SCALE: NTS UNITS: MM [INCH]	PAGE: 1 OF 1	REV: Q