WEBM003800

SHOP MANUAL

PC27R-8 DELUXE

HYDRAULIC EXCAVATOR

SERIAL NUMBER

PC27R-8 F31103 and up

This material is proprietary to Komatsu Utility Division and is not to be reproduced, used, or disclosed except in accordance with written authorization from Komatsu Utility Division.

It is our policy to improve our products whenever it is possible and pratical to do so. We reserve the right to make changes or add improvements at any time without incurring any obligation to install such changes on products sold previously.

Due to this continuous program of research and development, periodic revisions may be made to this publication. It is recommended that customers contact their distributor for information on the latest revision.

February 2002

Copyright 2002 Komatsu Utility Division

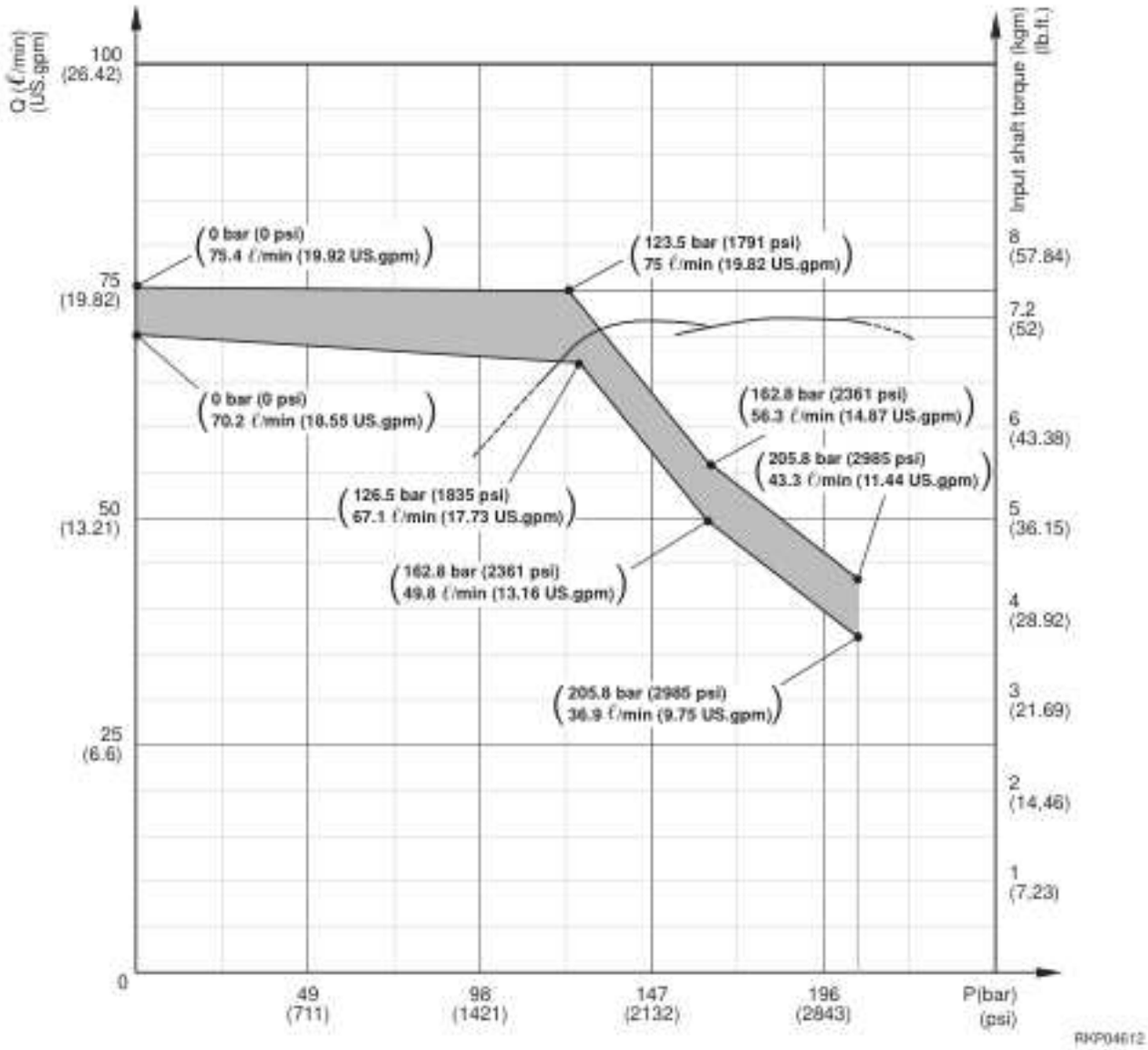
KOMATSU®

Order the manual at mid-west-tech.com >

Classification

- Delivery piston pump P1
- Pump speed: 2600 rpm
- Hydraulic oil temperature: 45 – 55°C (113 – 131°F)

Pump characteristics



★ When measuring deliveries with the pumps mounted on the machine, it is difficult to use the accelerator to count the precise number of revs needed for this test.
Make delivery measurements with the engine running at a speed close to the test speed and then make a proportional calculation.

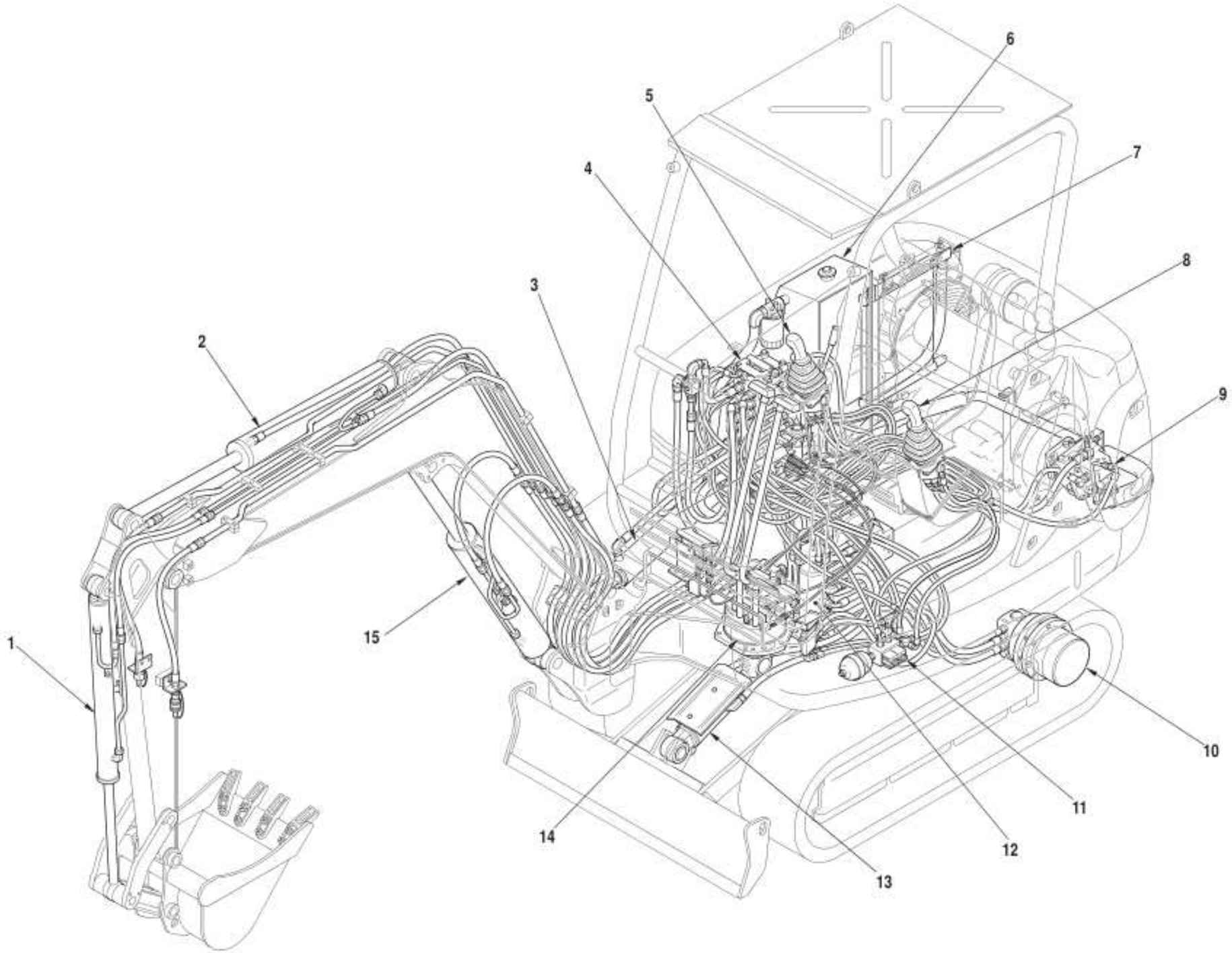
Example:

MEASUREMENT
- Engine speed: 2525 rpm
- Delivery: 42 ℓ/min (11.1 US.gall)

PROPORTIONAL DELIVERY AT 2600 rpm
(42x2600)/2525 = 43.2 ℓ/min (11.4 US.gall)

MidWestTech | Komatsu PC27R-8 Deluxe Mini Excavator Service Manual | Publication... Order the manual at mid-west-tech.com >

HYDRAULIC SYSTEM



1. Bucket cylinder
2. Arm cylinder
3. Boom swing cylinder
4. Control valve
5. R.H. PPC valve
6. Hydraulic tank
7. Hydraulic oil cooler
8. L.H. PPC valve
9. Hydraulic pump
10. Final drive
11. Servocontrol feed unit
12. Swivel joint
13. Blade cylinder
14. Swing motor
15. Boom cylinder

MidWestTech | Komatsu PC27R-8 Deluxe Mini Excavator Service Manual | Publication WEBM003800

Order the manual at mid-west-tech.com >