CAE ENGINEERING PTE LTD

Your pumping systems solution provider



Grundfos fire pump compile to UL/FM ,AS 2941 and SS575 Standards

GRUNDFOS

AUTHORISED DEALER

Singapore Standard SS575

It is the code of practice for the fire hydrant, rising mains and the hose reel systems. The code is approved by the Building and Construction Standards Committee on behalf of the Singapore Standards Council.


DNV·GL

STATEMENT OF CONFORMITY

This is to verify that

CAE Engineering Pte. Ltd.,
Office: 26 Boon Lay Way, #01-88 TRADEHUB 21, Singapore 609970
Factory: No. 1, Yishun Street 23, #01-45 YS-ONE, Singapore 768441

with name and/or type designation(s)

Electric Controllers for Fire Pumps

has, on a voluntary basis, the product(s), assessed in accordance with Cl. 8.2 of AS 2941 : 2013 (5th Edition), is found to comply

Further details are given in the following pages

Fire Pump Controllers

Built to AS 2941 - 2013 (5th edition)

Model: FPC VER - 01



Standard Features

- IP55 ENCLOSURE
- INCOMING,OUTGOING AVAILABLE INDICATION
- PHASE REVERSAL /LOSS ALARM
- PUMP ON DEMAND, RUN, OVERCURRENT, FAILED TO START INDICATION
- AC AMPERE DISPLAY
- BATTERY CHARGER DC VOLTAGE, AMPERE DISPLAY
- START AND STOP PUSHBUTTONS
- LAMP TEST PUSHBUTTON
- REMOTE START PROVISION
- INTERLOCK AND LOCK OUT PROVISION
- BUZZER WITH MUTE PUSHBUTTON
- VOLTAGE FREE CONTACT FOR REMOTE MONITORING

Options

- OP1 - Anti-condensation heater & thermostat
- OP2 - Data log, pressure & event recording
- OP3 - Modus with RS485 connection


SGS

GRUNDFOS (Singapore) Pte Ltd

ISO 9001:2008

In preparations of the SS575 standards, reference was made to AS 2941: fixed fire protection installations for the pumpset systems.




Test Certificate

DNV·GL

STATEMENT OF CONFORMITY

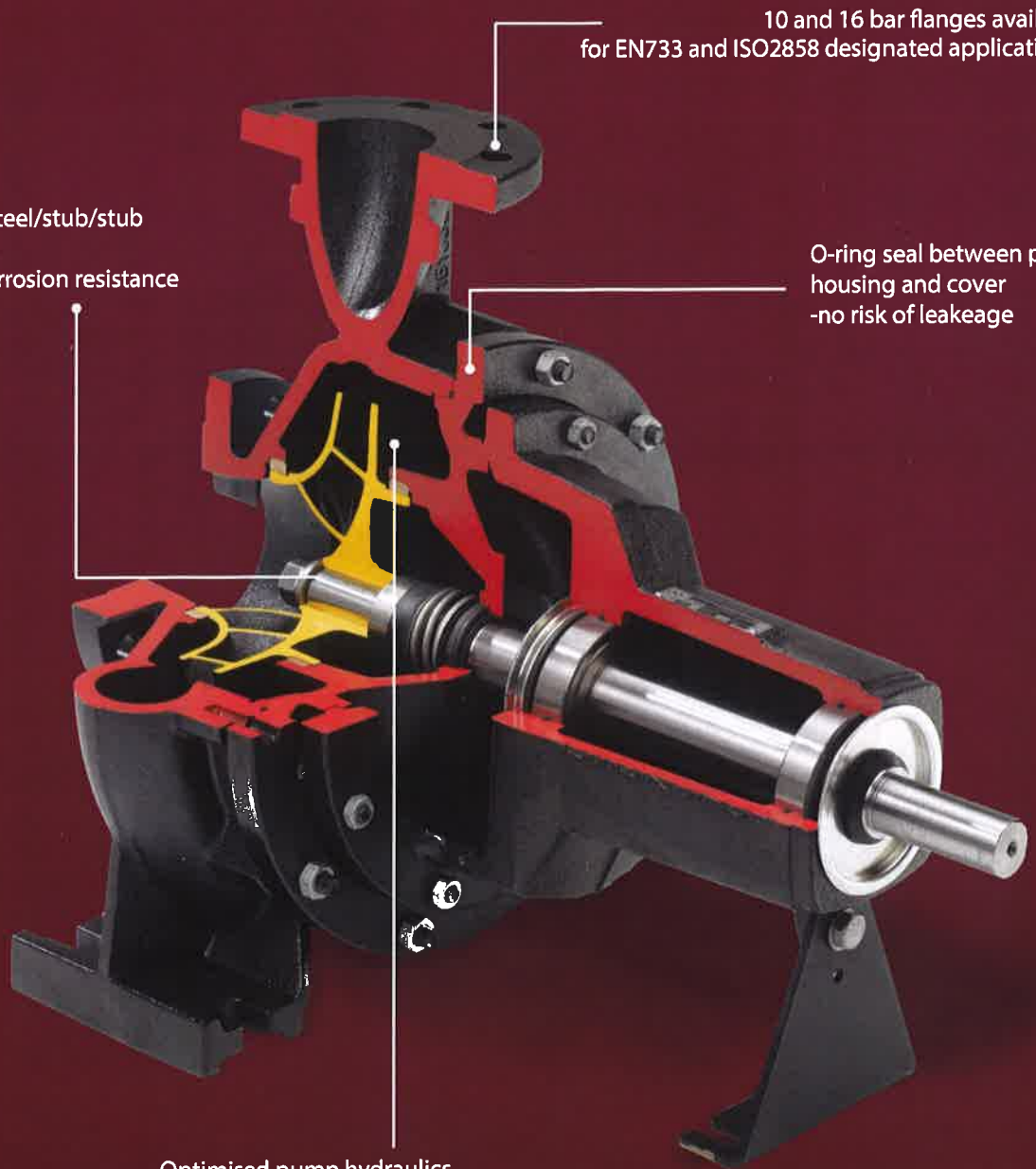
CAE Engineering Pte. Ltd.,

Electric Controllers for Fire Pumps

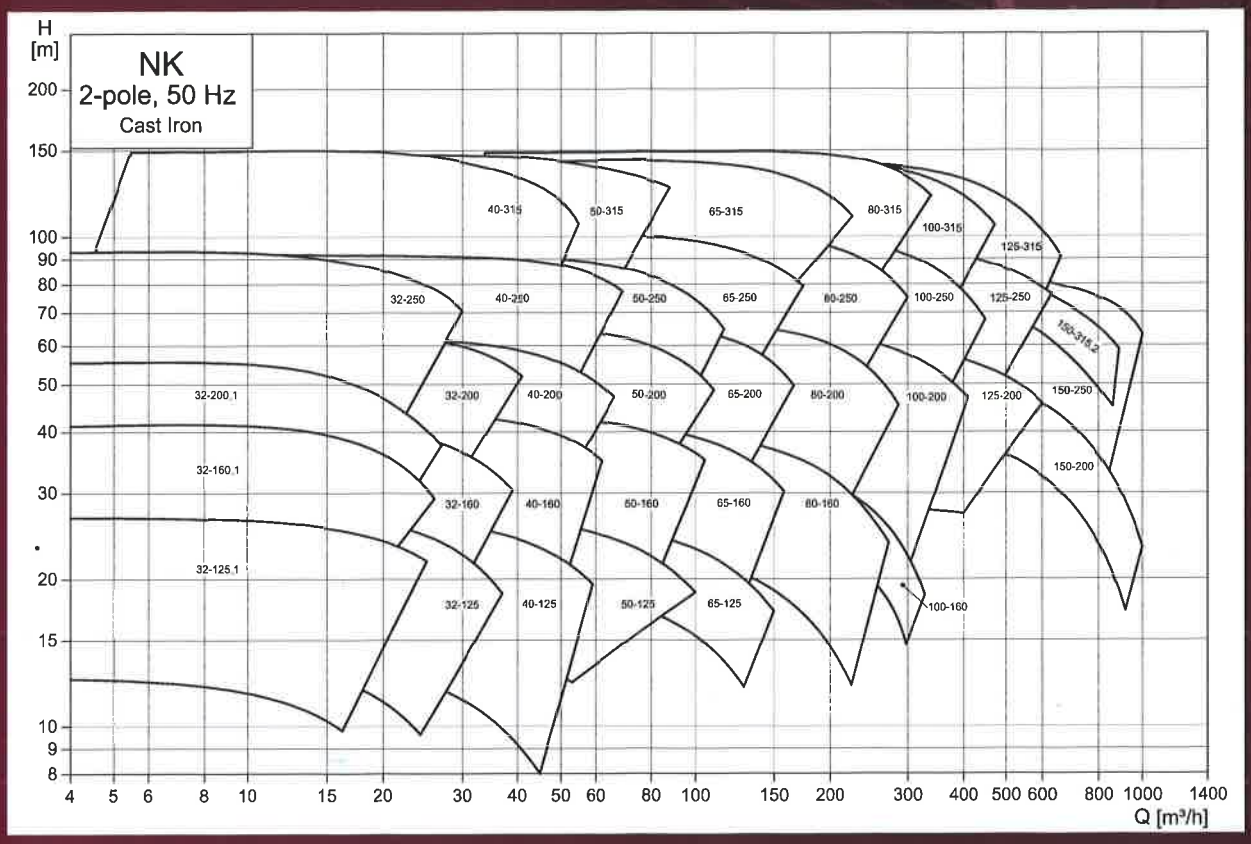
NK Pumps Set Complie to AS2941 and SS575 Standards

NK pumps are non-self-priming, single-stage, centrifugal volute pumps with axial suction port, radial discharge port and horizontal shaft. The pumps can be equipped with an MGE motor (with integrated frequency converter) or to a Grundfos CUE external frequency converter

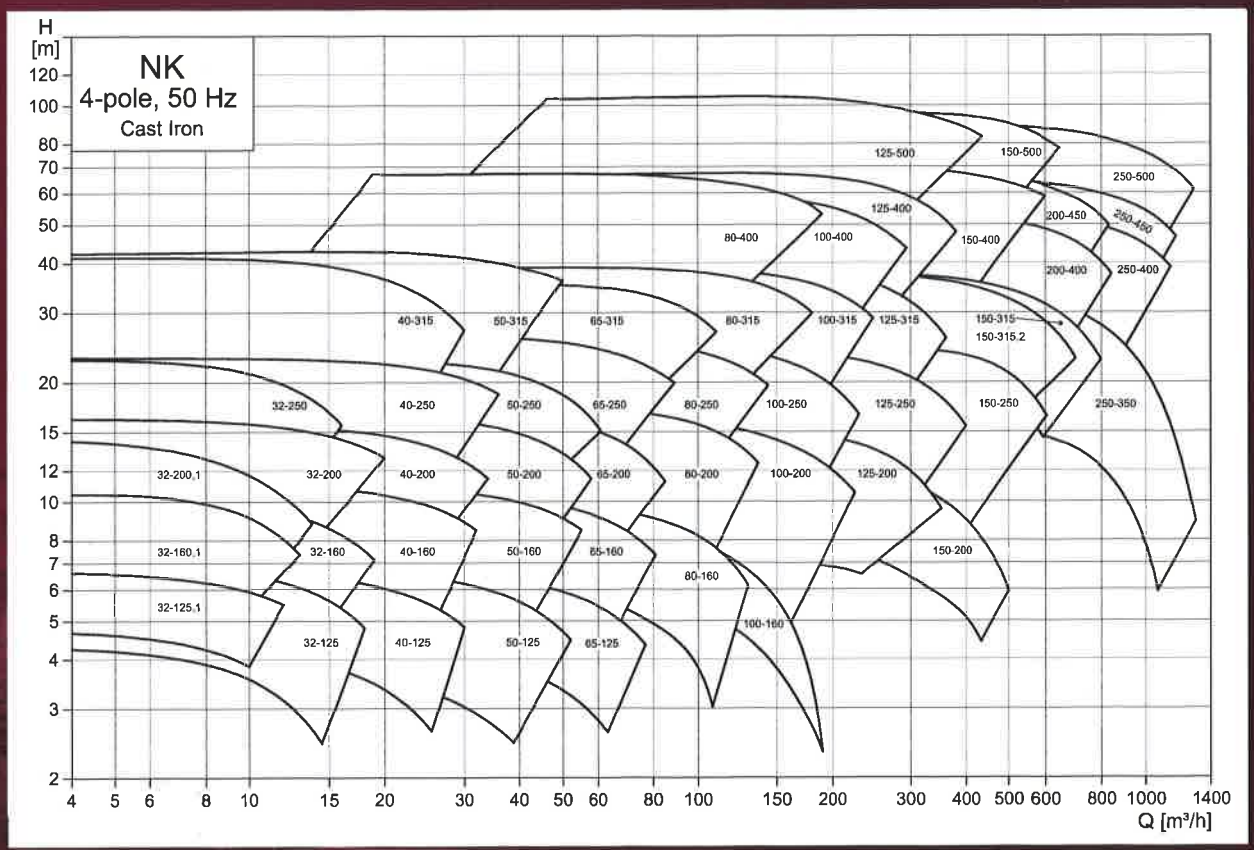
The Grundfos NK pumps are made from cast iron, which are designed to work hard in demanding environments, where only the fittest pumps will survive in the long run. In applications where there is a high risk of corrosion, a range of stainless steel NK pumps is available as well. The Grundfos NK pumps can be equipped with motors that carry the Grundfos Blueflux label, which have the high efficiency motors (IE2/IE3/IE4 or MGE), representing the very best from Grundfos.



NK, 2-pole



NK, 4-pole



Singapore Factory

Grundfos is committed to be a sustainable pump and system provider in the pump industry through operational excellence to achieve higher customer satisfaction and sustainable value added services.

Leading the green agenda, the Singapore office and manufacturing facility based at Tukang Innovation Park is a testament to Grundfos' commitment to the region and environment. By reducing its own carbon footprint, the building has been awarded with the prestigious Green Mark Platinum Rating by the Building and Construction Authority.



Testing Facilities

We have 6 testing facilities which are compliance to ISO 9906 Performance test acceptance testing including our GIGA tester which is capable to test up to 4000 cubic meter per hour, 50/60Hz with the largest pipe size of DN 600.

There are 4 testers for multi-stage centrifugal (CR) & submersible (SP) pumps and 2 tester for single-stage end suction (NBG&NKG) & in-line (TP)/(HS, horizontal split-case) pumps.





Peerless Pump Fire Product Line compile

Peerless Pumps

Thousands of Peerless Pump installations deliver superior fire protection to facilities worldwide. For over eighty years, Pearless Pump has been offering complete service. From engineering assistance to in-house fabrication to field start-up. Products are designed from a broad selection of pumps, drives, controls, baseplates and accessories. Fire pump choices include horizontal split case, in-line and end suction centrifugal, as well as vertical turbines pumps.

Peerless provides pumping solutions to the Global Commercial / Fire Market and fulfill the requirements such as:
Horizontal models for capacities to 5,000 gpm
Vertical models for capacities to 5,000 gpm
In-line models for capacities to 1,500 gpm
End suction models for capacities to 500 gpm
Basic units, packaged systems and engineered closure.









OTHER NOTEABLE PROJECTS

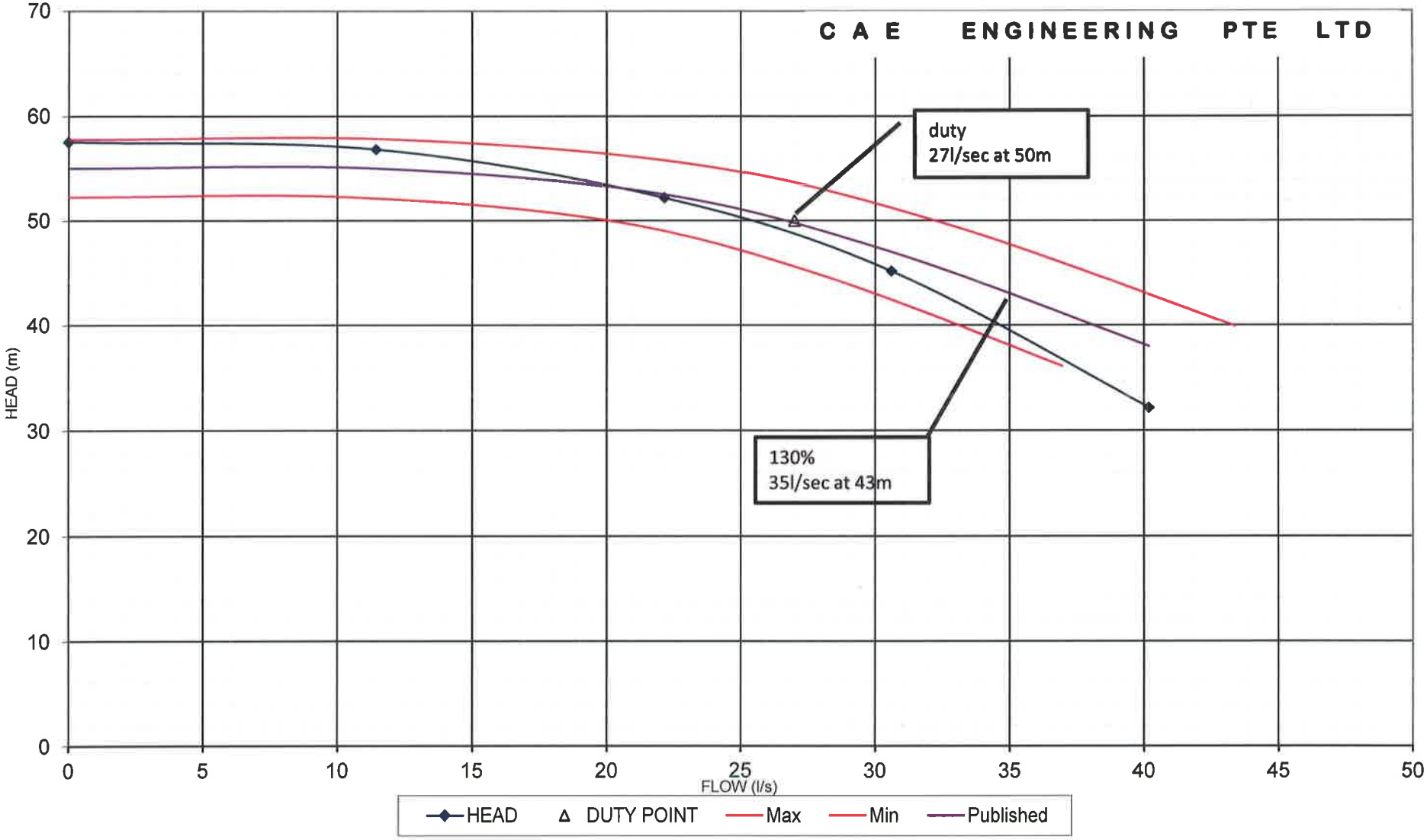
- Google Data Center
- M1
- HDB Housing
- T3, Jewel
- DSTA HQ



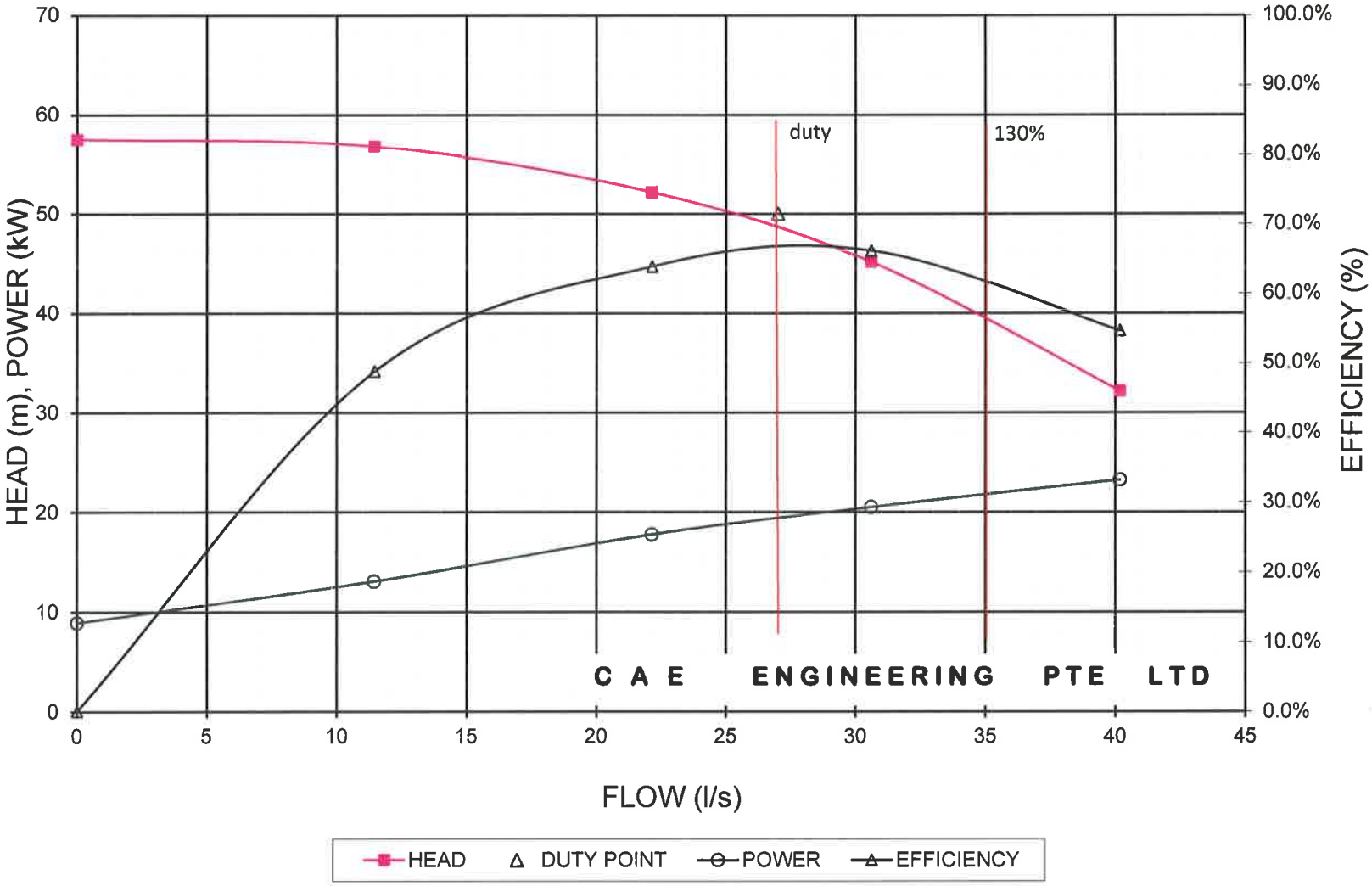




- Mandai, Loyang, Joo Koon Depot
- Pasir Panjang Interchange
- Tuas South Ave 4
- Woodlands Height Substation
- Global Indian School
- Nanospace



Electric Fire Pump Tolerance Curve



Final Electric Fire Pump Curve



CAE Engineering Pte Ltd

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