

Shaft work, exergy (OPEX) C3MR  
 \_\_\_\_\_, \*  
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가 가 .  
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 propane precooled mixed refrigerant (C3MR)  
 shaft work, (OPEX)  
 Peng-Robinson EOS ,  
 Aspen HYSYS BOX method . hot  
 and cold composite curve .